Portal Database Views Reference

Portal

Backup

- Commvault Simpana
- EMC Avamar
- EMC Data Domain
- EMC NetWorker
- Generic Backup
- HP Data Protector
- IBM TSM
- Veritas Backup Exec
- Veritas NetBackup

Capacity

- Dell Compellent
- EMC Isilon
- EMC Symmetrix
- EMC VNX (Celerra)
- EMC VNX (CLARiiON)
- EMC VPLEX
- EMC XtremIO
- Hitachi Content Platform (HCP)
- Hitachi Data Systems
- Hitachi NAS
- HP 3PAR
- HP EVA
- IBM Capacity
- IBM SVC
- IBM XIV
- NetApp
- NetApp Cluster-Mode
- NetApp E-Series
- OpenStack Swift

Cloud

- Amazon Web Services
- Microsoft Azure
- OpenStack Ceilometer

Fabric

- Base Fabric

File Analytics

- Base File Analytics

Replication

- NetApp SnapMirror
- NetApp SnapVault

Virtualization

- IBM VIO
- Oracle Container/Zone
- VMware

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apt_v_user

apt_v_attribute *(Base Portal Views)*

Contains one row for each Attribute

Column Name	Data Type	Description
attribute_id	Number	Sequence generated Primary key
attribute_name	String	Attribute Name
attribute_type	String	Attribute type
attribute_type_name	String	S - Server, A - Array, L - Library, D - Drive, W - Switch
description	String	Description
domain_id	Number	Foreign key from apt_v_domain
list_of_values	String List	List of values

apt_v_datacoll_exec_aggr *(Base Portal Views)*

Contains logging details for a database Stored Procedure/Query processing every hour

Column Name	Data Type	Description

component	String	Abbreviation of the subsystem for which logging details are captured. The values in this field could be - BASE - BASE NBU - NetBackup BUE - Backup Exec LEG - Legato/NetWorker TSM - Tivoli Storage Management HPD - HP DataProtector AVM - Avamar GEN - Generic Backup CMV - Commvault Simpana SRM - Capacity Base SRM HDS - SRM Hitachi Data Systems SRM HDS HNAS - SRM HDS H-NAS SRM EMC - SRM EMC SRM EMC CLA - EMC CLARiiON SRM EMC SYM - SRM EMC Symmetrix SRM EMC VNX - SRM EMC Celerra SRM EMC ISI - SRM EMC Isilon SRM EMC VPL - SRM EMC Vplex SRM NAP - SRM NetApp SRM NAP NTC - SRM NetApp Cluster-Mode SRM HP - SRM Hewlett-Packard SRM HP 3PAR - SRM HP 3PAR SRM IBM - SRM IBM System SRM IBMS - SRM IBM SubSystem SRM IBM SVC - SRM IBM SVC SRM IBM XIV - SRM IBM XIV SRM DLL CPL - SRM Dell Compellent SRM EVA - SRM EVA SRM OSS - SRM Open Stack Swift SRM SDK - SRM Generic Storage Array SRM HOST - SRM HOST SRM BROCADE LT - Brocade Zone Alias SRM CISCO LT - Cisco Zone Alias DATA DOMAIN - DATA DOMAIN VMM - Virtualization base VMM VMW - VMware VMM VIO - IBM VIO VMM SOL - Oracle Container/Zone SNAPMIRROR - SNAP MIRROR SNAPVAULT - SNAP VAULT SDK - SDK Base SWI - SWITCH Base AFA - File Analytics
last_updated	Date	Date/Time when the data was captured for this procedure.
log_hour	Number	The hour of the day for which data is saved in this table.
max_db_time_per_rec_date	Number	Exact time at which this database call took maximum time to complete in this log hour.
max_db_time_per_rec_sec	Number	Maximum time spent in this log hour for this database procedure call.
min_db_time_per_rec_sec	Number	Minimum time spent in this log hour for this database procedure call.
package_name	String	Name of database package for which logging details are captured.
procedure_name	String	Name of database procedure for which logging details are captured.

sum_db_elapsed_time_sec	Number	Sum of the time spent in this log hour for this database procedure call.
sum_nbr_of_records	Number	Total number of records processed for this database procedure call in this log hour.

apt_v_datacoll_exec_tracking *(Base Portal Views)*

Contains raw logging details for a persistence related database Stored Procedure/Query processing

Column Name	Data Type	Description

component	String	Abbreviation of the subsystem for which logging details are captured. The values in this field could be - BASE - BASE NBU - NetBackup BUE - Backup Exec LEG - Legato/NetWorker TSM - Tivoli Storage Management HPD - HP DataProtector AVM - Avamar GEN - Generic Backup CMV - Commvault Simpana SRM - Capacity Base SRM HDS - SRM Hitachi Data Systems SRM HDS HNAS - SRM HDS H-NAS SRM EMC - SRM EMC SRM EMC CLA - EMC CLARiiON SRM EMC SYM - SRM EMC Symmetrix SRM EMC VNX - SRM EMC Celerra SRM EMC ISI - SRM EMC Isilon SRM EMC VPL - SRM EMC Vplex SRM NAP - SRM NetApp SRM NAP NTC - SRM NetApp Cluster-Mode SRM HP - SRM Hewlett-Packard SRM HP 3PAR - SRM HP 3PAR SRM IBM - SRM IBM System SRM IBMS - SRM IBM SubSystem SRM IBM SVC - SRM IBM SVC SRM IBM XIV - SRM IBM XIV SRM DLL CPL - SRM Dell Compellent SRM EVA - SRM EVA SRM OSS - SRM Open Stack Swift SRM SDK - SRM SDK Generic Storage Array SRM HOST - SRM HOST SRM BROCADE LT - Brocade Zone Alias SRM CISCO LT - Cisco Zone Alias DATA DOMAIN - DATA DOMAIN VMM - Virtualization base VMM VMW - VMware VMM VIO - IBM VIO VMM SOL - Oracle Container/Zone SNAPMIRROR - SNAP MIRROR SNAPVAULT - SNAP VAULT SDK - SDK Base SWI - SWITCH Base AFA - File Analytics
db_elapsed_time_sec	Number	Time spent for processing this database procedure call.
last_updated	Date	Date/Time when the data was captured for this procedure.
nbr_of_records	Number	Number of records processed for this database procedure call.
package_name	String	Name of database package for which logging details are captured.
procedure_name	String	Name of database procedure for which logging details are captured.
query_name	String	Name of SQL Query for which logging details are captured.

apt_v_execution_tracking *(Base Portal Views)*

The apt_v_execution_tracking view contains a single row for each report execution.

Column Name	Data Type	Description
db_elapsed_time_ms	Number	Database Elapsed Time in ms
elapsed_time_ms	Number	Elapsed Time in ms
is_drilldown	String	Y=Yes, N=No
page_size	Number	Page Size
params	String	Parameters
report_template_id	Number	Report Template ID
report_template_name	String	Report Template Name
system_name	String	UI System Name
transaction_timestamp	Date	Transaction Timestamp
ui_elapsed_time_ms	Number	UI Elapsed Time in ms
user_id	Number	User ID
user_name	String	User Name

apt_v_group *(Base Portal Views)*

Contains a single row for each hierarchical server group.

Column Name	Data Type	Description
group_description	String	Description of the server group
group_id	Number	Unique group ID. Primary key in this view
group_name	String	Name of the server group

apt_v_group_member *(Base Portal Views)*

Contains a single row for each of the parent/child relationships that creates the server group hierarchy.

Column Name	Data Type	Description
child_id	Number	Foreign key to either a row in apt_v_server or apt_v_group depending on the value in child_type
child_type	Number	Enumeration field with the following possible values: 1 = child is a server group 2 = child is a client/server
date_modified	Date	Date/time this record was last created/updated
group_id	Number	Unique group ID. Primary key in this view
modified_by	Number	User_ID of the user who modified this group member.
modified_by_name	Number	Name of the user who modified this group member.

apt_v_host_collector_status *(Base Portal Views)*

The apt_v_host_collector_status view contains a single row for each data collection exception

Column Name	Data Type	Description
collector_id	Number	collector ID
collector_name	String	collector Name
command_output	String	Command output
event_status	String	Event Status
event_time	Date	Event Timestamp
event_type	String	Event type
host_id	Number	foreign key to host details
host_name	String	Host Name
ip_address	String	Host IP Address
msg_detail	String	Message Detail
msg_summary	String	Message Summary
payload_id	Number	Payload ID
payload_name	String	Payload Name
resolution	String	Resolution

apt_v_host_cpu *(Base Portal Views)*

Contains a single row for each host cpu.

Column Name	Data Type	Description
cpu_nbr	Number	Number of CPU
cpu_speed	Number	CPU speed
cpu_type	String	CPU type
cpu_vendor	String	CPU Vendor
external_name	String	Server external name
internal_name	String	Server internal name
server_id	Number	Unique server ID

apt_v_host_cpu_log *(Base Portal Views)*

Contains a single row for each host cpu log.

Column Name	Data Type	Description
cpu_nbr	Number	Number of CPU
external_name	String	Server external name
idle_time_pct	Number	Idle time percentage
internal_name	String	Server internal name
log_date	Date	Log date
nice_priority_time_pct	Number	Percentage of CPU utilization that occurred while executing at the user/application level with nice priority
server_id	Number	Unique server ID
steal_time_pct	Number	Percentage of time spent in involuntary wait by the virtual CPU or CPUs while the hypervisor was servicing another virtual processor.
system_processing_time_pct	Number	System processing time percentage
user_processing_time_pct	Number	User processing time percentage
wait_time_pct	Number	Wait time percentage

apt_v_host_cpu_perf *(Base Portal Views)*

Contains entries for the last CPU performance collection.

Column Name	Data Type	Description
cpu_nbr	Number	Number of CPU
external_name	String	Server external name
idle_time_pct	Number	Idle time percentage
internal_name	String	Server internal name
log_date	Date	Log date
nice_priority_time_pct	Number	Nice priority time percentage
server_id	Number	Unique server ID
steal_time_pct	Number	Steal time percentage
system_processing_time_pct	Number	System processing time percentage
user_processing_time_pct	Number	User processing time percentage
wait_time_pct	Number	Wait time percentage

apt_v_host_device_perf *(Base Portal Views)*

Contains entries for the last Device performance collection.

Column Name	Data Type	Description
cpu_util_pct	Number	Percentage of CPU time during which I/O requests were issued to the device
external_name	String	Server external name
host_disk_id	Number	Host Disk ID
internal_name	String	Server internal name
log_date	Date	Log date
object_id	String	Object ID
read_kps	Number	Indicate the amount of data read from the device expressed in kb per second
server_id	Number	Unique server ID

total_io_resp_time_ms	Number	Total io response time in milliseconds for I/O requests issued to the device to be served
total_io_tps	Number	Total io transaction per second
volume_partition_id	Number	Volume Partition ID
write_kps	Number	Indicate the amount of data written to the device expressed in kilobytes per second

apt_v_host_device_perf_log *(Base Portal Views)*

Contains a single row for each host device log.

Column Name	Data Type	Description
cpu_util_pct	Number	Percentage of CPU time during which I/O requests were issued to the device
external_name	String	Server external name
host_disk_id	Number	Host Disk ID
internal_name	String	Server internal name
log_date	Date	Log date
object_id	String	Object ID
read_kps	Number	Indicate the amount of data read from the device expressed in kb per second
server_id	Number	Unique server ID
total_io_resp_time_ms	Number	Total io response time in milliseconds for I/O requests issued to the device to be served
total_io_tps	Number	Total io transaction per second
volume_partition_id	Number	Volume Partition ID
write_kps	Number	Indicate the amount of data written to the device expressed in kilobytes per second

apt_v_host_info *(Base Portal Views)*

Contains a single row for each host info.

Column Name	Data Type	Description
boot_prom	String	Boot prom
external_name	String	Server external name
host_type	String	Host type

internal_name	String	Server internal name
make	String	make
model	String	model
os_bits	String	OS bits
os_platform	String	OS platform
os_version	String	OS version
server_id	Number	Unique server ID

apt_v_host_memory *(Base Portal Views)*

Contains a single row for each host memory.

Column Name	Data Type	Description
external_name	String	Server external name
internal_name	String	Server internal name
page_file_location	String	Page file location
page_file_size_kb	Number	Page file size in KiB
physical_memory_kb	Number	Physical Memory in KiB
server_id	Number	Unique server ID
swap_file_location	String	Swap file location
swap_file_size_kb	Number	Swap file size in KiB
virtual_memory_kb	Number	Virtual Memory in KiB

apt_v_host_memory_log *(Base Portal Views)*

Contains a single row for each host memory log.

Column Name	Data Type	Description
external_name	String	Server external name
internal_name	String	Server internal name
log_date	Date	Log date

page_blocks_free	Number	Page blocks free
physical_memory_kb	Number	Physical Memory in KiB
server_id	Number	Unique server ID
swap_file_free_kb	Number	Swap file free in KiB
swap_file_used_kb	Number	Swap file used in KiB
virtual_memory_free_kb	Number	Virtual Memory free in KiB
virtual_memory_swap_kb	Number	Virtual Memory swap in KiB
virtual_memory_used_kb	Number	Virtual Memory used in KiB
vm_page_faults_in	Number	VM page faults in
vm_page_faults_out	Number	VM page faults out

apt_v_host_network *(Base Portal Views)*

Contains a single row for each host network.

Column Name	Data Type	Description
external_name	String	Server external name
gateway	String	Gateway
hardware_address	String	Hardware address
internal_name	String	Server internal name
ip_address	String	IP address
nic_name	String	NIC name
server_id	Number	Unique server ID
speed_mbps	Number	Speed in megabytes per second
status	String	Status
subnet_mask	String	Subnet mask

apt_v_host_network_log *(Base Portal Views)*

Contains a single row for each host network log.

Column Name	Data Type	Description
external_name	String	Server external name
internal_name	String	Server internal name
kilo_bytes_received	Number	Received in KiB
kilo_bytes_sent	Number	Sent in KiB
log_date	Date	Log date
nic_name	String	NIC name
packets_dropped	Number	Packets dropped
packets_received	Number	Packets received
packets_sent	Number	Packets sent
server_id	Number	Unique server ID

apt_v_host_process_log *(Base Portal Views)*

Contains a single row for each host process log.

Column Name	Data Type	Description
cpu_usage_pct	Number	CPU usage percentage
external_name	String	Server external name
internal_name	String	Server internal name
log_date	Date	Log date
process_name	String	Process name
process_owner	String	Process owner
server_id	Number	Unique server ID
virtual_memory_size_kb	Number	Virtual memory size in KiB

apt_v_host_source_info *(Base Portal Views)*

Contains a single row for each host source information

Column Name	Data Type	Description

aptare_product_type	Number	Platform product type. e.g. 1 = backup, 2 = capacity, 4 = virtualization, 8 = replication, 16 = fabric, and 32 = file analytics.
backup_server_type	Number	The host's role in the context of Veritas NetBackup backups.
boot_prom	String	The programmable read-only memory that enables initialization before system boots and also basic hardware testing.
collector_id	Number	Collector ID
collector_name	String	Collector name
creation_date	Date	The date and time the host was created in the database.
display_name	String	Name of the host to display in reports for Veritas NetBackup.
host_id	Number	Unique identifier for the host.
host_name	String	The name of the host, as collected from Veritas NetBackup.
last_updated	Date	The date and time the host was last updated in the database.
make	String	The manufacturer of the physical host, collected from Veritas NetBackup.
model	String	The specific model of the host, as defined by the vendor, collected from Veritas NetBackup.
os_bits	String	The size of the operating system, for example, 32-bit or 64-bit.
os_platform	String	The operating system of the host, collected from Veritas NetBackup.
os_version	String	The version of the host operating system, collected from Veritas NetBackup.
primary_ip_address	String	The IP address assigned to this host, collected from Veritas NetBackup.
product_vendor	Number	Product vendor
product_vendor_name	String	Product vendor name

apt_v_note *(Base Portal Views)*

Contains the history information of a ticket created on an object

Column Name	Data Type	Description
domain_id	Number	Foreign key to apt_v_domain
modified_user	String	User who modified the note
note_date	Date	Date the note was created
note_type	String	If it is an Object note or a Ticket note
object_id	Number	Object ID - Job id or tape media id etc
object_type	Number	Whether the object is Job or tape media etc
owner_user	String	If note is ticket note then it is the owner of the ticket

ticket_status	String	If note is ticket note then it is the status of the ticket
user_note	String	Text of the note

apt_v_object_attribute *(Base Portal Views)*

Contains one row for each Object Attribute

Column Name	Data Type	Description
attribute_id	Number	Foreign key from apt_v_attribute
attribute_value	String	Attribute Value
object_id	Number	Object ID

apt_v_primary_domain *(Base Portal Views)*

Contains the users belonging to a primary domain

Column Name	Data Type	Description
domain_id	Number	Domain ID
domain_name	String	Domain Name
last_updated	Date	Date and time last updated
root_group_id	Number	Domain root group ID
user_id	Number	User ID who belongs to this domain

apt_v_server *(Base Portal Views)*

Contains a single row for each client or server.

Column Name	Data Type	Description
aptare_jar_last_request	Date	aptare.jar last request
bitflags	Raw	Bitflags
boot_prom	String	Boot prom

boot_strap_jar_last_request	Date	boot_strap.jar last request
capture_file_details	Number	0 = Do NOT capture file-level details for this client/server and 1=Capture file-level details for this server
creation_date	Date	Date/time this host was created
date_modified	Date	Date/time this host was last created/updated
description	String	Free-form client/server description field. Users will often enter system characteristics such as the number and type of CPUs, amount of memory etc in this field
display_name	String	The name that is displayed on the Web Interface for this client/server
exists_within_host	Number	Exists within host
host_type	String	Host type with the following possible values: VM Server, VIO Server, VM Guest, VIO Guest, Others
hostname	String	The hostname of the client/server. This is the name by which the client/server is know to the underlying backup software
ip_address	String	IP Address of the backup interface for this client/server
is_auto_update_aptare_jar	String	Is auto update aptare.jar
is_auto_update_boot_strap_jar	String	Is auto update boot_strap.jar
is_decommissioned	Char	Flag to indicate if the host is decommissioned: Y or N.
is_manu_update_aptare_jar	String	Is manual update aptare.jar
is_manu_update_boot_strap_jar	String	Is manual update boot_strap.jar
location	String	location
make	String	Enumeration field with the following possible values: 1 - Sun 2 - Dell 3 - HP / Compaq 4 - IBM 5 - Other 0 - Unknown
model	String	Model of the client/server
os_bits	String	OS Bits
os_platform	String	OS Platform
os_version	String	Operating system
server_id	Number	Unique server ID. Primary key in this view
server_type_name	String	server type name

apt_v_server_attribute *(Base Portal Views)*

Contains a single row for each server attribute.

Column Name	Data Type	Description
host_id	Number	foreign key to host details
host_name	String	The hostname of the client/server.

apt_v_system_upgrade *(Base Portal Views)*

Contains a single row for each system upgrade information

Column Name	Data Type	Description
attempt_nbr	number	Number of attempt
component_id	number	Foreign key to apt_collector_properties
component_name	string	Name of the component
component_type	string	Type of component e.g. collector
created_date	date	Created Date
domain_id	number	Domain ID of the component
message_from	string	Message From. For collector upgrade the message is from upgrade manager or from Ant
status	string	status
system_upgrade_id	number	primary key of this table
updated_date	date	The date and time the system upgrade was last updated
version_from	string	From version
version_to	string	To version

apt_v_system_upgrade_detail *(Base Portal Views)*

Contains a single row for each system upgrade detail information

Column Name	Data Type	Description
message	string	Message
message_date	date	Message Date
message_type	string	Message Type
system_upgrade_id	number	Foreign key to apt_v_system_upgrade

apt_v_ticket *(Base Portal Views)*

Contains the one row per a ticket created on an object

Column Name	Data Type	Description
created_user	String	User who created the ticket
creation_date	Date	Ticket created date
domain_id	Number	Foreign key to apt_v_domain
last_modified_user	String	User who last modified the ticket
last_user_note	String	The recent note created on the ticket
modified_date	Date	Ticket modified date
object_id	Number	Object ID - Job id or tape media id etc
object_type	Number	Whether the object is Job or tape media etc
owner_user	String	User the ticket is assigned to
owner_user_id	String	user id of the owner
ticket_group	String	Ticket group name
ticket_id	Number	Unique identifier for a ticket
ticket_status	String	Status of the ticket
ticket_status_id	Number	ID of the ticket status

apt_v_ticket_status *(Base Portal Views)*

This view contains the ticket statuses

Column Name	Data Type	Description

description	String	Ticket status description
domain_id	Number	Foreign key to apt_v_domain
is_active	String	Is ticket status active or not. Y/N
last_updated	Date	Date and time last updated
ticket_status	String	Ticket status name
ticket_status_id	Number	Primary key

apt_v_ticket_user *(Base Portal Views)*

Contains the user information belonging to a primary domain

Column Name	Data Type	Description
cell_phone	String	User cell phone
email_address	String	User email address
first_name	String	User first name
group_id	Number	Group ID the user belongs to
last_name	String	User last name
ldap_id	String	User LDAP login ID
user_id	Number	User ID
work_phone	String	User work phone

apt_v_user *(Base Portal Views)*

Contains a single row for each user in the system.

Column Name	Data Type	Description
active_indicator	Number	Flag to indicate whether user is active
cell_phone	String	Cell phone number of the user
email_address	String	E mail address of the user
first_name	String	First name of the user
group_id	Number	Starting group id of the user

homepage_id	Number	User homepage ID
homepage_type	String	User homepage type
last_login_time	Date	Date time user last logged in
last_name	String	Last name of the user
ldap_id	String	User LDAP login ID
my_report_folder_name	String	User my report folder name
user_id	Number	Unique Id of the user
user_type	Number	Type of User
work_phone	String	Work phone number of the user

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apt_v_tape_drive
apt_v_tape_drive_log
apt_v_tape_library
apt_v_tape_media

apt_v_agent_status *(Base Backup Views)*

Indicates the status of a server

Column Name	Data Type	Description
backup_product_type	Number	backup product type
get_all_nbu_jobs	String	Yes/No indicating whether to get all nbu jobs
host_name	String	Internal name of the client
last_drive_status_poll	Date	The last time the drive status was polled
last_job_poll	Date	The last time the job was polled
last_missing_event_poll	Date	The last time the missing event was polled
management_server_id	Number	ID of the management server for the library
product_type_name	String	Product type

server_timezone	String	Timezone of the server

apt_v_client_file *(Base Backup Views)*

Contains a single row for each each client file row for every server.

Column Name	Data Type	Description
client_file_id	Number	foreign key to client file details
client_id	Number	foreign key to client for the client being backed up
display_name	String	The name that is displayed in the Portal for this client/server.
file_type	Raw	file type:1 = file 2 = directory 4 = link
filename	String	The full path and filename
host_name	String	host name associated with the client ID
owner	String	internal ID for the parent of this file
parent_id	Number	foreign key to parent details

apt_v_date_window *(Base Backup Views)*

Single row for each backup window definition

Column Name	Data Type	Description
domain_id	Number	Domain ID
is_default	String	Indicates if it is a default row or not
window_group_id	Number	Unique ID for the window
window_group_name	String	Name of the date window

apt_v_job *(Base Backup Views)*

Contains a single row for each job from all backup products.

Column Name	Data Type	Description

client_id	Number	Foreign key of the client ID for the client being backed up (see apt_v_server)
client_name	String	Name of the client being backed up.
duration	String	Duration in Hour, Minute, Second
duration_secs	Number	Duration in seconds
finish_date	Date	Date/time that the job completed
is_active	String	Y=Yes, N=No
job_bitflags	Raw	This is a bit field that can be ORed to represent the following bitwise variables: Bit 0 = Manually started job Bit 1 = Compressed backup job Bit 2 = DB compressed backup job Bit 3 = Encrypted backup job
job_id	Number	Unique job ID. Primary key in this view. This is the internal job ID and NOT the same as the backup product Job ID.
		Enumeration field with the following possible values: Commvault Simpana: 501 = Full 502 = Incr 503 = Diff 504 = SynthFull 505 = Txn Log No Trunc 506 = ASR 507 = Unknown 508 = Restore 599 = Other EMC Avamar: 701 = On-Demand Backup 702 = Scheduled Backup 703 = Restore 704 = Validate 705 = Archive Source 706 = Replication Destination 707 = Replication Source 708 = Replication Backup 709 = Search Result 799 = Other EMC NetWorker (Legato): 301 = Full Backup 302 = Incremental Backup 303 = Migration 304 = Manual Backup 305 = Consolidate 306 = Copy 307 = Diff 308 = 1 309 = 2 310 = 3 311 = 4 312 = 5 313 = 6

job_type	Number	314 = 7 315 = 8 316 = 9 317 = Restore 318 = Synthetic Full 319 = Incr+Synthetic Full 399 = Other Generic Backup: 901 = Backup 903 = Restore 904 = Full Backup 905 = Incremental Backup 906 = Archive HP Data Protector: 601 = Full 602 = Incr 603 = Incr1 604 = Incr2 605 = Incr3 606 = Incr4 607 = Incr5 608 = Incr6 609 = Incr7 610 = Incr8 611 = Incr9 612 = Diff 613 = Trans 614 = Copy 698 = Restore 699 = Other IBM Tivoli Storage Manager: 401 = Selective Backup 402 = Incremental Backup 403 = Image Backup 404 = Archive 405 = Restore 406 = Image Restore 407 = Retrieve 408 = Command 409 = Macro 410 = Migration 411 = Reclamation 412 = Full DB Backup 413 = Incremental DB Backup 414 = Stg. Pool Backup 415 = Expiration 416 = Move DR Media 417 = Move Media 418 = Backup 419 = Tape Mount 420 = NAS Backup 421 = Backup Set 422 = NAS Restore 499 = Other

Veritas Backup Exec:
201 = Resource Discovery
202 = Backup
203 = Duplicate
204 = Catalog
205 = Report
206 = Restore
207 = Test Run
208 = Inventory Or Erase
209 = Verify
299 = Other

Veritas NetBackup:
101 = Full backup
102 = Differential Incremental backup
103 = Catalog backup
104 = Archive
105 = Restore
106 = Verification
107 = Duplicate
108 = Import
109 = Migration
110 = Label
111 = Media Erase
112 = Application backup
113 = Tape Req
114 = Drive Cleaning
115 = Optical Media Format
116 = Inventory Library
117 = DB Recover
118 = Media Listing
119 = Qualification
120 = Live Update
121 = Replication Duplicate
122 = Replication Import
123 = Replication (Snapshot)
124 = Snap Index
125 = Backup From Snapshot
126 = Import (Snapshot)
127 = Application State Capture
128 = Indexing
129 = Index Cleanup
130 = Snapshot
131 = Activate Instant Recovery
132 = Deactivate Instant Recovery
133 = Reactivate Instant Recovery
134 = Stop Instant Recovery
135 = Instant Recovery
136 = Image Cleanup

		137 = Cumulative Incremental Backup 138 = Automatic Schedule 199 = Other
job_type_name	String	Job type names as above.
kilobytes	Number	For backup jobs, this is the number of KiB in the backup. For restore jobs, this is the number of KiB restored
mbytes_sec	Number	Mega Bytes Per Second
media_type	String	D=Disk based backup, T=Tape based backup
nbr_of_files	Number	Number of files affected by the job
product_type	Number	Enumeration field with the following possible values: 1 Veritas NetBackup 2 Veritas Backup Exec 3 Legato NetWorker 4 IBM Tivoli Storage Manager 5 CommVault Galaxy 6 HP Data Protector 7 EMC Avamar 9 Generic Backup
product_type_name	String	Names as above
server_id	Number	Foreign key of the server ID for the Master server (see apt_v_server)
server_name	String	Master server name
start_date	Date	Date/time that the job started
summary_status	Number	This is an enumeration field with the following values: 0 =successful 1 = partial / warning 2 = failed / error This field can be inspected to determine the overall summary status of a job.
vendor_state	Number	Native backup product specific job state codes.
vendor_state_name	String	Native backup product specific job state name.
vendor_status	Number	Native backup product status code
vendor_status_name	String	Native backup product status name

apt_v_job_file *(Base Backup Views)*

Contains a single row for each file in a job

Column Name	Data Type	Description
client_file_id	Number	internal ID for the file
client_id	Number	Foreign key of the client ID for the client being backed up

display_name	String	The name that is displayed on the Web Interface for this client/server
file_byte_size	Number	size of the job file
file_type	Raw	file type: 1 = file 2 = directory 4 = link
filename	String	Pathname and filename
host_name	String	host name
job_id	Number	Unique backup job ID
last_modified	Date	The date of the last job file update.
owner	String	Owner of the file in the file system
parent_id	Number	internal ID for the parent of this file
tape_media_index	Raw	an index starting from 1 indicating which tape the file resides

apt_v_job_message_log *(Base Backup Views)*

Contains a single row for each message in the message log

Column Name	Data Type	Description
job_id	Number	Unique job ID
message	String	text of the job message
seq	Number	seq
try_index	Number	applicable only for NetBackup jobs

apt_v_job_note *(Base Backup Views)*

Contains a single row for each each tape media used in a job.

Column Name	Data Type	Description
job_id	Number	unique job ID
note_date	Date	Date the note was attached to the job.
note_type	String	If note is Job Note or Ticket note
owner_user_name	String	If note is ticket note then it is the owner of the ticket
ticket_status	String	If note is ticket note then it is the status of the ticket

user_id	Number	ID of the user who wrote the note
user_name	String	User name
user_note	String	text of the note message

apt_v_job_tape_media *(Base Backup Views)*

Contains a single row for instance that a piece of tape media was used within a backup job.

Column Name	Data Type	Description
client_id	Number	foreign key of the client ID for the client being backed up
clone_id	Number	foreign key to the Tape drive on which this job/tape media was mounted and written
display_name	String	The name that is displayed in the Portal for this client/server.
drive_id	Number	foreign key to drive details
drive_name	String	drive name
host_name	String	host name associate with the client ID
job_id	Number	unique job ID
kilobytes	Number	For backup jobs, this is the number of KiB in the backup. For restore jobs, this is the number of KiB restored
media_name	String	Native media name
tape_media_id	Number	Unique ID of the tape media. This is an internal ID and not the same as the tape media name/code or barcode in backup product
vendor_status	String	vendor status Applicable for Legato only:: C = Complete H = Head M = Middle T = Tail

apt_v_last_client_job *(Base Backup Views)*

The apt_v_last_client_job view contains a single row for each last_client_job.

Column Name	Data Type	Description
client_id	Number	Foreign key of the client ID for the client being backed up (see apt_v_server)
client_name	String	Name of the client being backed up.
duration	String	Duration in Hour, Minute, Second
duration_secs	Number	Duration in seconds
finish_date	Date	Date/time that the job completed

is_active	String	Y=Yes, N=No
job_bitflags	Raw	This is a bit field that can be ORed to represent the following bitwise variables: Bit 0 = Manually started job Bit 1 = Compressed backup job Bit 2 = DB compressed backup job Bit 3 = Encrypted backup job
job_id	Number	Unique job ID. Primary key in this view. This is the internal job ID and NOT the same as the backup product Job ID.
		Enumeration field with the following possible values: NetBackup: 101 = Full backup 102 = Incremental backup 103 = Catalog backup 104 = Archive 105 = Restore 106 = Verification 107 = Duplicate 108 = Import 109 = Migration 110 = Label 111 = Media Erase 112 = Application backup 199 = Other Backup Exec: 201 = Resource Discovery 202 = Backup 203 = Duplicate 204 = Catalog 205 = Report 206 = Restore 207 = Test Run 208 = Inventory Or Erase 209 = Verify 299 = Other Legato: 301 = Full Backup 302 = Incremental Backup 303 = Migration 304 = Manual Backup 305 = Consolidate 306 = Copy 307 = Diff 308 = 1 309 = 2 310 = 3 311 = 4 312 = 5 313 = 6 314 = 7 315 = 8 316 = 9 317 = Restore 399 = Other IBM Tivoli Storage Manager: 401 = Selective Backup 402 = Incremental Backup

job_type	Number	403 = Image Backup 404 = Archive 405 = Restore 406 = Image Restore 407 = Retrieve 408 = Command 409 = Macro 410 = Migration 411 = Reclamation 412 = Full DB Backup 413 = Incremental DB Backup 414 = Stg. Pool Backup 415 = Expiration 416 = Move DR Media 417 = Move Media

		418 = Backup 419 = Tape Mount 499 = Other
job_type_name	String	Job type names as above.
kilobytes	Number	For backup jobs, this is the number of KiB in the backup. For restore jobs, this is the number of KiB restored
mbytes_sec	Number	Mega Bytes Per Second
media_type	String	D=Disk based backup, T=Tape based backup
nbr_of_files	Number	Number of files affected by the job
product_type	Number	Enumeration field with the following possible values: 1 Veritas NetBackup 2 Veritas Backup Exec 3 Legato NetWorker 4 IBM Tivoli Storage Manager 5 CommVault Galaxy 6 HP Data Protector
product_type_name	String	Names as above
server_id	Number	Foreign key of the server ID for the Master server (see apt_v_server)
server_name	String	Master server name
start_date	Date	Date/time that the job started
summary_status	Number	This is an enumeration field with the following values: 0 =successful 1 = partial / warning 2 = failed / error This field can be inspected to determine the overall summary status of a job.
vendor_state	Number	Native backup product specific job state codes.
vendor_state_name	String	Native backup product specific job state name.
vendor_status	Number	Native backup product status code
vendor_status_name	String	Native backup product status name

apt_v_product_message *(Base Backup Views)*

Contains a single row for each of the product specific warning/error messages.

Column Name	Data Type	Description
long_description	String	Long version of the message.
message_code	Number	Product specific message number.

product_type	Number	Enumeration field with the following possible values: 1 Veritas NetBackup 2 Veritas Backup Exec 3 Legato NetWorker 4 IBM Tivoli Storage Manager 5 CommVault Galaxy 6 HP Data Protector
short_description	String	Short message.

apt_v_server_instance *(Base Backup Views)*

Contains a single row for each server instance.

Column Name	Data Type	Description
backup_product_version	String	Backup product version
display_name	String	The name that is displayed in the Portal for this client/server.
host_name	String	The hostname of the client/server. This is the name by which the client/server is known to the underlying backup software
instance_name	String	Name of the instance
instance_restart_date	Date	Instance restart date
is_active	String	Y=Yes, N=No
last_summary_date	Date	Date when the TSM Job Summary Probe completes
port_number	Number	Server port number
product_type	Number	Enumeration field with the following possible values: 1 - Veritas NetBackup 2 - Veritas Backup Exec 3 - EMC NetWorker 4 - IBM Tivoli Storage Manager 5 - Comm Vault Galaxy 6 - HP Data Protector
product_type_name	String	Name of the above product
server_id	Number	Unique server ID
server_instance_id	Number	Unique ID for the server instance

apt_v_skipped_backup_file *(Base Backup Views)*

Contains a single row for each skipped file.

Column Name	Data Type	Description
job_id	Number	Unique job ID
seq	Number	The sequence in the list of skipped files
skipped_filename	String	The explicit path and filename of the file that was skipped by the backup job

apt_v_tape_drive *(Base Backup Views)*

Contains a single row for each tape drive.

Column Name	Data Type	Description
controlling_server_id	Number	Key to the media server that is controlling the library
controlling_server_name	String	Name of the controlling server
device_name	String	Full pathname to the device that is controlling the tape drive
drive_id	Number	Foreign key to the tape drive on which this job/tape media was mounted and written
drive_in_use	String	Y=Yes, N=No
drive_name	String	Name of the tape drive as reported by the backup product
drive_status	String	U=Online, D=Offline
library_id	Number	ID of the library that controls the drive
library_name	String	Name of the library that controls the drive
management_server_id	Number	ID of the management server for the library
management_server_name	String	Name of the management server for the library
product_type	Number	Enumeration field with the following possible values: 1 - Veritas NetBackup 2 - Veritas Backup Exec 3 - EMC NetWorker 4 - IBM Tivoli Storage Manager 5 - Comm Vault Galaxy 6 - HP Data Protector
product_type_name	String	Descriptive name associated with the product type
server_instance_id	Number	Server the directive is associated with Foreign key to apt_v_server_instance
status_last_updated	Date	Last date and time the drive status was checked
vendor_drive_status	String	Vendor specific drive status

vendor_drive_type	Number	This field contains the type of the tape drive. The following is a list of the possible enumeration values: 1 = Qtr Inch 2 = Half Inch 3 = Half Inch-type 2 4 = Half Inch-type 3 5 = 4MM 6 = 8MM 7 = 8MM type 2 8 = 8MM type 3 9 = DLT 10 = DLT type 2 11 = DLT type 3 12 = DTF 13 = Optical Library 99 = Other
vendor_drive_type_name	String	The vendor name associated with the drive type

apt_v_tape_drive_log *(Base Backup Views)*

Contains a single row for each tape drive log.

Column Name	Data Type	Description
drive_id	Number	Foreign key to the tape drive on which this job/tape media was mounted and written
drive_name	String	Name of the tape drive
drive_status	String	TSM: In-Use Mounting Dismounting Empty NetBackup: Up Down Up Opr Mode Legato: Offline Online HP Data Protector: Disabled Online
in_use	String	Y=Yes, N=No
is_online	String	Y=Yes, N=No
media_name	String	Native media name

poll_time	Date	The time that this drive was polled and status collected
product_type	Number	Enumeration field with the following possible values: 1 - Veritas NetBackup 2 - Veritas Backup Exec 3 - EMC NetWorker 4 - IBM Tivoli Storage Manager 5 - Comm Vault Galaxy 6 - HP Data Protector
product_type_name	String	The descriptive name associated with the product type
tape_media_id	Number	Unique ID of the tape media. This is an internal ID and not the same as the tape media name/code or barcode in backup product

apt_v_tape_library *(Base Backup Views)*

Contains a single row for each tape library.

Column Name	Data Type	Description
controlling_server_id	Number	Key to the media server that is controlling the library
controlling_server_name	String	Name of the controlling server
description	String	Free form text
device_name	String	Device name that controls the tape library
instance_name	String	Name of the tape library instance
is_disk_library	Char	Disk Library Flag
is_online	String	Y=Yes, N=No
library_external_name	String	Library External Name
library_id	Number	Unique tape library ID
library_name	String	Custom name that can be assigned to the library
library_type	String	Vendor specific library type name
media_capacity	Number	Total number of tapes that could be loaded within this tape library
nbr_of_drives	Number	Number of tape drives within the tape library
server_id	Number	Key to the server with which this library is associated
server_name	String	Server internal name
vendor_library_nbr	Number	Unique number assigned to each library

apt_v_tape_media *(Base Backup Views)*

Contains a single row for separate piece of tape media.

Column Name	Data Type	Description
instance_name	String	Instance name
last_updated	Date	last updated date
library_id	Number	Foreign key to the Tape Library that contains this piece of tape media (See apt_v_tape_library)
library_name	String	Library name
library_slot_nbr	Number	Library slot number
media_name	String	Native media name
media_status	String	This field contains the media status. The following is a list of the enumeration values: Y = Deleted E = Empty D = Filling F = Full P = Error X = Unavailable C = Cleaning V = Status in vendor media status column
media_status_name	String	Media status names as above.
product_type	Number	Enumeration field with the following possible values:
product_type_name	String	Names as above
server_id	Number	Foreign key to the master server that is managing this piece of tape media (See apt_v_server)
server_name	String	Name of the master server that is managing this piece of tape media (See apt_v_server)
tape_media_id	Number	Unique ID of the tape media. This is an internal ID and not the same as the tape media name/code or barcode in backup product
vendor_media_status	Number	Backup product specific media status codes
vendor_media_status_name	String	Backup product specific media status names
vendor_media_type	Number	Codes for the media type (specific to backup product)
vendor_media_type_name	String	Backup product specific media type name

apt_v_cmv_backup_copy
apt_v_cmv_backup_policy
apt_v_cmv_backupset
apt_v_cmv_client
apt_v_cmv_dbinstance
apt_v_cmv_dedup_store
apt_v_cmv_disk_drive
apt_v_cmv_disk_library
apt_v_cmv_disk_media
apt_v_cmv_drivepool
apt_v_cmv_idataagent
apt_v_cmv_job
apt_v_cmv_job_disk_media
apt_v_cmv_job_optical_media
apt_v_cmv_job_tape_media
apt_v_cmv_job_vm
apt_v_cmv_optical_drive
apt_v_cmv_optical_library
apt_v_cmv_optical_media
apt_v_cmv_reason
apt_v_cmv_retention_period
apt_v_cmv_skipped_files
apt_v_cmv_storcopy_dedupstore
apt_v_cmv_storcopy_drvpools
apt_v_cmv_subclient
apt_v_cmv_tape_drive
apt_v_cmv_tape_library
apt_v_cmv_tape_media

apt_v_cmv_backup_copy *(Commvault Simpana Views)*

Contains Backup Copy Information

Column Name	Data Type	Description
cmv_backup_copy_id	Number	Backup Copy Identifier
cmv_backup_copy_id_ext	Number	CommVault generated Backup Copy Identifier
cmv_backup_policy_id	Number	Backup Policy Identifier
cmv_dedup_backup_policy_id	Number	Deduplication Backup Policy Identifier
copy_name	String	Backup Copy Name
dedup_recovery_method	Number	Deduplication Recovery Method
is_aging_enabled	Char	Aging Enabled Flag
is_dedup_active	Char	Deduplication Active Flag
is_dedup_client_side_enabled	Char	Deduplication Client Side Enabled Flag
is_dedup_enabled	Char	Deduplication Enabled Flag
is_dedup_software_comp_enabled	Char	Deduplication Software Component Enabled
is_dedup_using_global_policy	Char	Deduplication Using Global Policy Enabled
is_managed_disk_space_enabled	Char	Managed Disk Space Enabled Flag
is_primary	Char	Is Primary Flag
last_updated	Date	Last Updated

retention_cycles	Number	Retention Cycles
retention_days	Number	Retention Days
server_instance_id	Number	Server Instance Identifier

apt_v_cmv_backup_policy *(Commvault Simpana Views)*

Contains Backup Policy Information

Column Name	Data Type	Description
backup_policy_name	String	Backup Policy Name
cmv_backup_policy_id	Number	Backup Policy Identifier
cmv_backup_policy_id_ext	Number	Backup Policy Identifier (Commvault Generated)
dedup_block_size_kb	Number	Deduplication Block Size in KiB
exists_in_catalog	Char	Exists in Catalog Flag
is_enabled_for_legal_holds	Char	Enabled for Legal Holds Flag
last_updated	Date	Last Updated
max_streams	Number	Maximum Number of Streams
server_instance_id	Number	Server Instance Identifier

apt_v_cmv_backupset *(Commvault Simpana Views)*

Contains Backupset Information

Column Name	Data Type	Description
backupset_name	String	Backup Set Name
cmv_backupset_id	Number	Backup Set Identifier
cmv_backupset_id_ext	Number	CommVault Unique Backup Set Identifier
last_updated	Date	Last Updated Date
server_instance_id	Number	Server Instance Identifier

apt_v_cmv_client *(Commvault Simpana Views)*

Contains Client Information

Column Name	Data Type	Description
client_group_name	String	The list of client group names.
client_id	Number	Client Identifier
client_status	Number	Client Status
cmv_client_id_ext	Number	Client Identifier (CommVault Generated)
cmv_release	String	Release Description
guid	String	Global Unique ID
is_active	Char	Active Flag
is_commserver	Char	Commserver Flag
is_dedup_enabled	Char	Deduplication Enabled Flag
last_updated	Date	Last Updated Date
server_instance_id	Number	Server Instance Identifier
vm_name	String	The internal name of the virtual machine.
vm_uuid	String	The Instance UUID of the virtual machine.

apt_v_cmv_dbinstance *(Commvault Simpana Views)*

Contains DBInstance Information

Column Name	Data Type	Description
cmv_dbinstance_id	Number	DB Instance Identifier
cmv_dbinstance_id_ext	Number	DB Instance Identifier (Commvault Generated)
instance_name	String	Instance Name
last_updated	Date	Last Updated Date
server_instance_id	Number	Server Instance Identifier

apt_v_cmv_dedup_store *(Commvault Simpana Views)*

Contains Deduplication Store Information

Column Name	Data Type	Description
client_id	Number	Client Identifier
cmv_dedup_store_id	Number	Deduplication Store Identifier
cmv_dedup_store_id_ext	Number	Deduplication Store Idenifier (CommVault Generated)
is_enabled	Char	Enabled Flag
last_updated	Date	Last Updated Date
server_instance_id	Number	Server Instance Identifier
store_path	String	Store Path

apt_v_cmv_disk_drive *(Commvault Simpana Views)*

Contains Disk Drive Information

Column Name	Data Type	Description
cmv_disk_drive_id	Number	Disk Drive Identifier
cmv_disk_drive_id_ext	Number	Disk Drive Identifier (CommVault Generated)
cmv_disk_library_id	Number	Disk Library Identifier
cmv_drive_status	Number	Drive Status
cmv_drivepool_id	Number	Drivepool Identifier
controlling_server_id	Number	Controlling Server Identifier
device_name	String	Device Name
drive_external_name	String	Drive External Name
drive_in_use	Char	Drive In Use Flag
drive_name	String	Driver Name
drive_number	Number	Drive Number
drive_offline_reason	Number	Drive Offline Reason

drive_status	Char	Drive Status
drive_vendor	String	Drive Vendor
drive_vendor_model	String	Drive Vendor Model
firmware_revision	String	Firmware Revision
is_broken	Char	Broken Flag
is_deleted	Char	Deleted Flag
is_enabled	Char	Enabled Flag
last_clean_time	Date	Last Clean Time
last_updated	Date	Last Updated Date
management_server_id	Number	Management Server Identifier
nbr_backups_life	Number	Number of Backups
nbr_hard_errors_life	Number	Number of Hard Errors
nbr_hard_errors_since_clean	Number	Number of Hard Errors Since Cleaned
nbr_minutes_used_life	Number	Number of Minutes Used
nbr_minutes_used_since_clean	Number	Number of Minutes Used Since Cleaned
nbr_mounts	Number	Number of Mounts
nbr_restores_life	Number	Number of Restores
nbr_soft_errors_life	Number	Number of Soft Errors
nbr_soft_errors_since_clean	Number	Number of Soft Errors Since Cleaned
product_type	Number	Product Type
serial_number	String	Serial Number
server_instance_id	Number	Server Instance Identifier
status_last_updated	Date	Last Updated Status Date
vendor_drive_status	Char	Vendor Drive Status
vendor_drive_type	Number	Vendor Drive Type
wwn_number	String	WWN Number

apt_v_cmv_disk_library *(Commvault Simpana Views)*

Contains Disk Library Information

Column Name	Data Type	Description
cmv_disk_library_id	Number	
cmv_disk_library_id_ext	Number	
controlling_server_id	Number	Controlling Server Identifier
description	String	Description
device_name	String	Device Name
firmware_revision	String	
has_bar_code_reader	Char	Bar Code Reader Flag
is_broken	Char	Broken Flag
is_deleted	Char	Deleted Flag
is_disk_library	Char	Disk Library Flag
is_enabled	Char	Enabled Flag
is_online	Char	Online Flag
last_updated	Date	Last Updated Date
library_external_name	String	Library External Name
library_name	String	Library Name
library_vendor	String	Library Vendor
library_vendor_model	String	Library Vendor Model
media_capacity	Number	Media Capacity
nbr_hard_errors	Number	Number of Hard Errors
nbr_mounts	Number	Number of Mounts
nbr_of_drives	Number	Number of Drives
nbr_soft_errors	Number	Number of Soft Errors
serial_number	String	Serial Number
server_id	Number	Server Identifier
server_instance_id	Number	
vendor_library_nbr	Number	Vendor Library Number
vendor_library_type	Number	Vendor Library Type
wwn_number	String	WWN Number

apt_v_cmv_disk_media *(Commvault Simpana Views)*

Contians Disk Media Information

Column Name	Data Type	Description
bar_code	String	Bar Code
block_size_kb	Number	Block Size in KiB
cmv_current_drive_id	Number	Current Drive Identifier
cmv_disk_library_id	Number	Disk Library Identifier
cmv_disk_media_id	Number	Disk Media Identifier
cmv_disk_media_id_ext	Number	Disk Media Identifier (CommVault Generated)
cmv_media_status	Number	Media Status
export_location	String	Export Location
free_space_kb	Number	Free Space in KiB
last_backup_time	Date	Last Backup Time
last_export_time	Date	Last Export Time
last_restore_time	Date	Last Restore Time
last_updated	Date	Last Updated Date
library_slot_nbr	Number	Library Slot Number
media_creation_time	Date	Media Creation Time
media_location	Number	Media Location
media_name	String	Media Name
media_status	Char	Media Status
media_type	Number	Media Type
media_vendor_type	String	Media Vendor Type
nbr_backups	Number	Number of Backups
nbr_hard_errors	Number	Number of Hard Errors
nbr_restores	Number	Number of Restores
nbr_reuse	Number	Number of Reuse
nbr_sides	Number	Number of Sides

nbr_soft_errors	Number	Number of Soft Errors
product_type	Number	Product Type
server_id	Number	Server Identifier of the server Disk Media is associated with
server_instance_id	Number	Server Instance Identifier
slot_name	String	Slot Name
slot_type	Number	Slot Type
total_space_kb	Number	Total Space in KiB
used_space_kb	Number	Used Space in KiB
vendor_media_status	Number	Vendor Media Status
vendor_media_type	Number	Vendor Media Type

apt_v_cmv_drivepool *(Commvault Simpana Views)*

Contains Drivepool Information

Column Name	Data Type	Description
cmv_disk_library_id	Number	Disk Library Identifier
cmv_drivepool_id	Number	Drivepool Identifier
cmv_drivepool_id_ext	Number	Drivepool Identifier (CommVault Generated)
cmv_optical_library_id	Number	Optical Library Identifier
drivepool_name	String	Drivepool Name
is_deleted	Char	Deleted Flag
last_updated	Date	Last Updated Date
server_instance_id	Number	Server Instance Identifier
tape_library_id	Number	Tape Library Identifier

apt_v_cmv_idataagent *(Commvault Simpana Views)*

Contains IDataagent Information

Column Name	Data Type	Description

cmv_idataagent_id	Number	IDataAgent Identifier
cmv_idataagent_id_ext	Number	IDataAgent Identifier (CommVault Generated)
idataagent_name	String	IDataAgent Name
last_updated	Date	Last Updated Date
server_instance_id	Number	Server Instance Identifier

apt_v_cmv_job *(Commvault Simpana Views)*

Contains CommVault specific Job Information

Column Name	Data Type	Description
client_id	Number	Client Identifier for Job
cmv_backup_policy_id	Number	Backup Policy Identifier
cmv_backupset_id	Number	Backup Set ID
cmv_dbinstance_id	Number	DBInstance ID
cmv_idataagent_id	Number	iDataAgent ID
cmv_job_id_ext	Number	Job Identifier (CommVault Generated)
cmv_primary_backup_copy_id	Number	Primary Backup Copy Identifier
cmv_subclient_id	Number	Subclient Identifier
failed_filelist_remain_attmpt	Number	Failed File List Remaining Attempts
is_active	Char	Flag (Yes/No) to indicate whether a Job is active or not
is_aged	Char	Aged Flag
job_failed_reason_id	Number	Job Failed Reason Identifier
job_id	Number	Job Identifier
job_init_from	Number	Job Initialized From Identifier
job_status	Number	Job Status
last_updated	Date	Last Updated Date
nbr_of_bytes_comp	Number	Number of Bytes Compressed
nbr_of_bytes_uncomp	Number	Number of Bytes Uncompressed
nbr_of_corrupted_files	Number	Number of Corrupted Files
nbr_of_directories	Number	Number of Directories

nbr_of_in_use_files	Number	Number of In-Use Files
nbr_of_other_skipped_files	Number	Number of other Skipped Files
nbr_of_streams	Number	Number of Streams
nbr_of_vms	Number	The number of vms used for the backup/restore job.
scheduled_start_time	Date	Scheduled Start Time
server_instance_id	Number	Server Instance Identifier

apt_v_cmv_job_disk_media *(Commvault Simpana Views)*

Contains Job and Disk Media History

Column Name	Data Type	Description
client_id	Number	Client Identifier for Client to which Job is associated
clone_id	Number	Clone ID
cmv_backup_copy_id	Number	Backup Copy Identifier
cmv_disk_drive_id	Number	Disk Drive Identifier
cmv_disk_media_id	Number	Disk Media Identifier
job_id	Number	Job Identifier
kilobytes	Number	KiB
last_updated	Date	Last Updated Date
modified_time	Date	Modified Time
num_attempts	Number	Number of Attempts
server_instance_id	Number	Server Instance Identifier
total_comp_bytes	Number	Total Compressed Bytes
total_uncomp_bytes	Number	Total Uncompressed Bytes
vendor_status	Char	Vendor Status

apt_v_cmv_job_optical_media *(Commvault Simpana Views)*

Contains Job and Optical Media History

Column Name	Data Type	Description
client_id	Number	Client Identifier for Client to which Job is associated
clone_id	Number	Clone ID
cmv_backup_copy_id	Number	Backup Copy Identifier
cmv_optical_drive_id	Number	Optical Drive Identifier
cmv_optical_media_id	Number	Optical Media Identifier
job_id	Number	Job Identifier
kilobytes	Number	KiB
last_updated	Date	Last Updated Date
modified_time	Date	Modified Time
num_attempts	Number	Number of Attempts
server_instance_id	Number	Server Instance Identifier
total_comp_bytes	Number	Total Compressed Bytes
total_uncomp_bytes	Number	Total Uncompressed Bytes
vendor_status	Char	Vendor Status

apt_v_cmv_job_tape_media *(Commvault Simpana Views)*

Contains Job and Tape Media History

Column Name	Data Type	Description
client_id	Date	Client Identifier for Client to which Job is associated
cmv_backup_copy_id	Number	Backup Copy Identifier
drive_name	String	Tape Drive Name
job_id	Number	Job Identifier
last_modified_time	Date	Last Modified Time
last_updated	Date	Last Updated Date
media_name	String	Tape Media Name
num_attempts	Number	Number of Attempts
server_instance_id	Number	Server Instance Identifier
tape_drive_id	Number	Tape Drive Identifier

tape_media_id	Number	Tape Media Identifier
total_comp_bytes	Number	Total Compressed Bytes
total_uncomp_bytes	Number	Total Uncompressed Bytes

apt_v_cmv_job_vm *(Commvault Simpana Views)*

Contains Job and Virtual Machine History

Column Name	Data Type	Description
client_id	Number	Client (ESX Server) Identifier for Job
is_active	Char	Flag (Yes/No) to indicate whether a Job is active or not
job_id	Number	Job Identifier
last_updated	Date	Last Updated Date
vm_agent	String	The CommVault agent used to backup the virtual machine.
vm_backup_type	Number	CommVault internal backup type of the virtual machine backup.
vm_cbt_status	String	Changed Block Tracking status of the virtual machine.
vm_client_id	Number	The client ID for the virtual machine.
vm_cmv_client_id_ext	Number	The internal CommVault client ID for the virtual machine.
vm_esx_server_host_name	String	The hostname of the ESX server hosting the virtual machine.
vm_failed_reason_id	Number	The failed reason id for the backup/restore job.
vm_finish_date	Date	The time that the backup of the virtual machine finished.
vm_guest_size_kb	Number	The guest size of the virtual machine in KiB.
vm_guest_size_valid	Char	Whether the reported guest size of the virtual machine is valid.
vm_guid	String	The Instance GUID of the virtual machine.
vm_hardware_version	String	The hardware version of the virtual machine.
vm_name	String	The internal name of the virtual machine.
vm_operating_system	String	The guest operating system of the virtual machine.
vm_size_kb	Number	The size of the virtual machine in KiB.
vm_start_date	Date	The time that the backup of the virtual machine started
vm_status	Number	CommVault internal status of the virtual machine backup.
vm_tools	String	The VMWare tools status of the virtual machine.

vm_transport_mode	String	The VMWare transport mode used by the virtual machine.
vm_used_space_kb	Number	The used space of the virtual machine in KiB.
vm_uuid	String	The Instance UUID of the virtual machine.

apt_v_cmv_optical_drive *(Commvault Simpana Views)*

Contains Optical Drive Information

Column Name	Data Type	Description
cmv_drive_status	Number	Drive Status
cmv_drivepool_id	Number	Drivepool Identifier
cmv_optical_drive_id	Number	Optical Drive Identifier
cmv_optical_drive_id_ext	Number	Optical Drive Identifier (CommVault Generated)
cmv_optical_library_id	Number	Optical Library Identifier
controlling_server_id	Number	Controlling Server Identifier
device_name	String	Device Name
drive_external_name	String	Drive External Name
drive_in_use	Char	Drive In Use Flag
drive_name	String	Drive Name
drive_number	Number	Drive Number
drive_offline_reason	Number	Drive Offline Reason
drive_status	Char	Drive Status
drive_vendor	String	Drive Vendor
drive_vendor_model	String	Drive Vendor Model
firmware_revision	String	Firmware Revision
is_broken	Char	Broken Flag
is_deleted	Char	Deleted Flag
is_enabled	Char	Enabled Flag
last_clean_time	Date	Last Clean Time
last_updated	Date	Last Updated Date
management_server_id	Number	Management Server Identifier

nbr_backups_life	Number	
nbr_hard_errors_life	Number	
nbr_hard_errors_since_clean	Number	
nbr_minutes_used_life	Number	
nbr_minutes_used_since_clean	Number	Number of Minutes Used since last Clean
nbr_mounts	Number	Number of Mounts
nbr_restores_life	Number	
nbr_soft_errors_life	Number	
nbr_soft_errors_since_clean	Number	
product_type	Number	Product Type
serial_number	String	Serial Number
server_instance_id	Number	Server Instance Identifier
status_last_updated	Date	Status Last Updated
vendor_drive_status	Char	Vendor Drive Status
vendor_drive_type	Number	Vendor Drive Type
wwn_number	String	WWN Number

apt_v_cmv_optical_library *(Commvault Simpana Views)*

Contains Optical Library Information

Column Name	Data Type	Description
cmv_optical_library_id	Number	Optical Library Identifier
cmv_optical_library_id_ext	Number	Optical Library Identifier (CommVault Generated)
controlling_server_id	Number	Controlling Server Identifier
description	String	Description
device_name	String	Device Name
firmware_revision	String	Firmware Revision
has_bar_code_reader	Char	Bar Code Reader
is_broken	Char	Broken Flag
is_deleted	Char	Deleted Flag

is_disk_library	Char	Disk Library Flag
is_enabled	Char	Enabled Flag
is_online	Char	Online Flag
last_updated	Date	Last Updated Date
library_external_name	String	Library External Name
library_name	String	Library Name
library_vendor	String	Library Vendor
library_vendor_model	String	Library Vendor Model
media_capacity	Number	Media Capacity
nbr_hard_errors	Number	Number of Hard Errors
nbr_mounts	Number	Number of Mounts
nbr_of_drives	Number	Number of Drives
nbr_soft_errors	Number	Number of Soft Errors
serial_number	String	Serial Number
server_id	Number	Server Identifier
server_instance_id	Number	Server Instance Identifier
vendor_library_nbr	Number	Vendor Library Number
vendor_library_type	Number	Vendor Library Type
wwn_number	String	WWN Number

apt_v_cmv_optical_media *(Commvault Simpana Views)*

Contains Optical Media Information

Column Name	Data Type	Description
bar_code	String	Bar Code
block_size_kb	Number	Block Size in KiB
cmv_current_drive_id	Number	Current Drive Identifier
cmv_media_status	Number	Media Status
cmv_optical_library_id	Number	Optical Library Identifier
cmv_optical_media_id	Number	Optical Medical Identifier

cmv_optical_media_id_ext	Number	Optical Media Identifier (CommVault Generated)
export_location	String	Export Location
free_space_kb	Number	Free Space in KiB
last_backup_time	Date	Last Backup Time
last_export_time	Date	Last Export Time
last_restore_time	Date	Last Restore Time
last_updated	Date	Last Updated Date
library_slot_nbr	Number	Library Slot Number
media_creation_time	Date	Media Creation Time
media_location	Number	Media Location
media_name	String	Media Name
media_status	Char	Media Status
media_type	Number	Media Type
media_vendor_type	String	Media Vendor Type
nbr_backups	Number	Number of Backups
nbr_hard_errors	Number	Number of Hard Errors
nbr_restores	Number	Number of Restores
nbr_reuse	Number	Number of Reuse
nbr_sides	Number	Number of Sides
nbr_soft_errors	Number	Number of Soft Errors
product_type	Number	Product Type
server_id	Number	Server Identifier of the server Optical Media is associated with
server_instance_id	Number	Server Instance Identifier
slot_name	String	Slot Name
slot_type	Number	Slot Type
total_space_kb	Number	Total Space in KiB
used_space_kb	Number	Used Space in KiB
vendor_media_status	Number	Vendor Media Status
vendor_media_type	Number	Vendor Media Type

apt_v_cmv_reason *(Commvault Simpana Views)*

Contains Reason Code and Description

Column Name	Data Type	Description
cmv_reason_code	Number	Reason Code
cmv_reason_id	Number	Reason Identifier
description	String	Description of Reason
last_updated	Date	Last Updated Date

apt_v_cmv_retention_period *(Commvault Simpana Views)*

Contains Retention Period Information

Column Name	Data Type	Description
cmv_backup_copy_id	Number	Backup Copy Identifier
cmv_subclient_id	Number	Subclient Identifier
last_updated	Date	Last Updated Date
retention_days	Number	Retention Days
server_instance_id	Number	Server Instance Identifier

apt_v_cmv_skipped_files *(Commvault Simpana Views)*

Contains Skipped Files Information

Column Name	Data Type	Description
job_id	Number	Job Identifier
last_updated	Date	Last Updated Date
reason_id	Number	Reason Identifier
seq_number	Number	Sequence Number

apt_v_cmv_storcopy_dedupstore *(Commvault Simpana Views)*

Contains Backup Copy and Deduplication Information

Column Name	Data Type	Description
cmv_backup_copy_id	Number	Backup Copy Identifier
cmv_dedup_store_id	Number	Deduplication Store Identifier
last_updated	Date	Last Updated Date
server_instance_id	Number	Server Instance Identifier

apt_v_cmv_storcopy_drvpools *(Commvault Simpana Views)*

Contains Backup Copy and Drivepool Information

Column Name	Data Type	Description
cmv_backup_copy_id	Number	Backup Copy Identifier
cmv_drivepool_id	Number	Drivepool Identifier
is_hardware_compressed	Char	Hardware Compressed Flag
is_hardware_encrypted	Char	Hardware Encrypted Flag
last_updated	Date	Last Updated Date
server_instance_id	Number	Server Instance Identifier

apt_v_cmv_subclient *(Commvault Simpana Views)*

Contains Subclient Information

Column Name	Data Type	Description
client_id	Number	Client Identifier
cmv_backup_policy_id	Number	Backup Policy Identifier
cmv_backupset_id	Number	Backup Set Identifier

cmv_dbinstance_id	Number	DBInstance Identifier
cmv_idataagent_id	Number	IDataAgent Identifier
cmv_subclient_id	Number	Subclient Identifier
cmv_subclient_id_ext	Number	Sbuclient Identifier (CommVault Generated)
last_updated	Date	Last Updated Date
server_instance_id	Number	Server Instance Identifier
subclient_name	String	Subclient Name

apt_v_cmv_tape_drive *(Commvault Simpana Views)*

Contians Tape Drive Information

Column Name	Data Type	Description
cmv_drive_status	Number	Drive Status
cmv_drivepool_id	Number	Drivepool Identifier
cmv_tape_drive_id_ext	Number	Tape Drive Identifier (CommVault Generated)
drive_external_name	String	Drive External Name
drive_name	String	Drive Name
drive_number	Number	Drive Number
drive_offline_reason	Number	Drive Offline Reason
drive_vendor	String	Drive Vendor
drive_vendor_model	String	Drive Vendor Model
firmware_revision	String	
is_broken	Char	Broken Flag
is_enabled	Char	Enabled Flag
last_clean_time	Date	Last Clean Time
last_updated	Date	Last Updated Date
nbr_backups_life	Number	Number of Backups
nbr_hard_errors_life	Number	Number of Hard Errors
nbr_hard_errors_since_clean	Number	Number of Hard Errors since Clean
nbr_minutes_used_life	Number	Number of Minutes Used

nbr_minutes_used_since_clean	Number	Number of Minutes Used since Clean
nbr_mounts	Number	Number of Mounts
nbr_restores_life	Number	Number of Restores
nbr_soft_errors_life	Number	Number of Soft Errors
nbr_soft_errors_since_clean	Number	Number of Soft Errros since Clean
serial_number	String	Serial Number
server_instance_id	Number	Server Instance Identifier
status_last_updated	Date	Status Last Updated Date
tape_drive_id	Number	Tape Drive Identifier
wwn_number	String	WWN Number

apt_v_cmv_tape_library *(Commvault Simpana Views)*

Contains Tape Library Information

Column Name	Data Type	Description
cmv_tape_library_id_ext	Number	Tape Library Identifier (CommVault Generated)
firmware_revision	String	Firmware Revision
has_bar_code_reader	Char	Bar Code Reader Flag
is_broken	Char	Broken Flag
is_enabled	Char	Enabled Flag
last_updated	Date	Last Updated Date
library_name	String	Library Name
library_vendor	String	Library Vendor
library_vendor_model	String	Library Vendor Model
nbr_hard_errors	Number	Number of Hard Errors
nbr_mounts	Number	Number of Mounts
nbr_soft_errors	Number	Number of Soft Errors
serial_number	String	Serial Number
server_instance_id	Number	Server Instance Identifier
tape_library_id	Number	Tape Library Identifier

wwn_number	String	WWN Number

apt_v_cmv_tape_media *(Commvault Simpana Views)*

Contains Tape Media Information

Column Name	Data Type	Description
bar_code	String	Bar Code
block_size_kb	Number	Block Size in KiB
cmv_current_drive_id	Number	Current Drive Identifier
cmv_media_status	Number	Media Status
cmv_tape_media_id_ext	Number	Tape Media Identifier (CommVault Generated)
export_location	String	Export Location
free_space_kb	Number	Free Space in KiB
last_backup_time	Date	Last Backup Time
last_export_time	Date	Last Export Time
last_restore_time	Date	Last Restore Time
last_updated	Date	Last Updated Date
media_creation_time	Date	Media Creation Time
media_location	Number	Media Location
media_name	String	Media Name
media_type	Number	Media Type
media_vendor_type	String	Vendor Type of Media
nbr_backups	Number	Number of Backups taken
nbr_hard_errors	Number	Number of Hard Errors
nbr_restores	Number	Number of times the tape was restored
nbr_reuse	Number	Number of time the tape is reused
nbr_sides	Number	Number of Sides
nbr_soft_errors	Number	Number of Soft Errors
server_instance_id	Number	Server Instance Identifier
slot_name	String	Slot Name

slot_type	Number	Slot Type
tape_library_id	Number	Tape Libraryr Identifier
tape_media_id	Number	Tape Media Identifier
total_space_kb	Number	Total Space in KiB
used_space_kb	Number	Used Spacein KiB

EMC Avamar Views (Go to Top)

apt_v_avm_activities
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apt_v_avm_datasets
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apt_v_avm_node_util
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apt_v_avm_plugin_catalog
apt_v_avm_retention_policies
apt_v_avm_schedules

apt_v_avm_activities *(EMC Avamar Views)*

Contains all non-replication jobs on an Avamar system

Column Name	Data Type	Description
avm_domain_name	String	Full domain of the client on this activity
avm_group_id	Number	Foreign key into the apt_v_groups view
backup_label	String	The user-assigned backup label for this activity
backup_nbr	String	The backup number for this activity
client_id	Number	Client ID number
client_name	String	Client Name
creation_date	Date	Date this activity was created
dataset_id	Number	Foreign key into the apt_v_datasets view
dataset_name	String	Name of the dataset used in the activity
duration_secs	number	Duration in seconds.
effective_expiration_date	Date	The expiration date of this activity as a string

effective_path	String	The effective dataset used in the activity
encryption_name	String	Name of encryption method used
error_code	Number	Last error code generated by this activity
excluded_kb	Number	Number of bytes excluded
expiration_date	Date	Expiration date of this activity
expiration_text	String	Text of the expiration date - may also be NEVER
finish_date	date	Date/time that the job completed.
group_name	String	Name of the group used in this activity - applies to group-based backups only
gsan_system_id	String	System-generated Avamar system ID
gsan_system_name	String	User-supplied Avamar system name
initiated_by	String	Name of the user who initiated this backup - applies to on-demand backups only
is_active	string	Y=Yes, N=No
is_encrypt_server_auth	String	True if mcserver.xml encrypt_server_authenticate preference is set true. Otherwise, false
is_override_dataset	String	Is the dataset used an override? Y/N
is_override_ret_policy	String	Did the activity override the group retention policy? Y/N
job_id	Number	Primary key of the underlying table
job_type_name	string	Job type name.
mbytes_sec	number	Mega bytes per second.
modified_kb	Number	Number of bytes modified
modified_not_sent_kb	Number	Number of non-unique bytes modified
modified_sent_kb	Number	Number of unique bytes modified
nbr_files_skipped	Number	Number of files skipped due to errors
nbr_of_files	number	Number of files affected by the job.
new_kb	Number	Number of new bytes
overhead_kb	Number	Number of bytes of system overhead
plugin_id	Number	Foreign key into the apt_v_plugin_catalog view
recorded_date	Date	Date this activity was recorded in MCS
retention_policy_id	Number	Foreign key into the apt_v_retention_policies
scanned_kb	Number	Number of bytes scanned for de-duplication
schedule_end_date	Date	Scheduled end date

schedule_id	Number	Foreign key into the apt_v_schedules_2 view
schedule_name	String	Name of the schedule used in this activity - applies to group-based backups only
schedule_start_date	Date	Scheduled start date
server_id	Number	Server ID number
server_name	string	Master server name.
session_id	String	The system-generated session id for this activity
skipped_kb	Number	Number of bytes skipped due to errors
start_date	date	Date/time that the job started.
status_code	Number	Last status code generated by this activity
status_code_summary	String	Text of the status code
summary_status	number	This is an enumeration field with the following values: 0 = successful 1 = partial / warning 2 = failed / error this field can be inspected to determine the overall summary status of a job.
vendor_job_type	String	Type of activity
vendor_state_name	string	Native backup product specific job state name.
vendor_status	number	Vendor specific status code.
vendor_status_name	string	Native backup product status name.
work_order_name	String	Work order for this activity

apt_v_avm_axion_system *(EMC Avamar Views)*

Contains one row per dataset in an Avamar system

Column Name	Data Type	Description
axion_system_id	Number	Axion System Identifier
gsan_run_level	String	GSAN Run Level
gsan_system_id	String	GSAN System Identifier
gsan_system_name	String	GSAN System Name
hfs_address	String	HFS Address
hfs_port	Number	HFS Port
last_checkpoint	Date	Last Checkpoint

last_updated_in_avm	Date	Last Updated Date in Avamar System
last_validated_checkpoint	Date	Last Validated Checkpoint
license_expiration_date	Date	License Expiration Date
local_hfs_address	String	Local HFS Address
master_server_id	Number	Master Server Identifier
max_disk_utilization_pct	Number	Maximum Disk Utilization %
mcs_port	Number	MCS Port
protected_bytes_quota	String	Protected Bytes Quota
time_since_server_init	Number	Time Since Server Initialization
total_capacity_kb	Number	Total Capacity in KiB
used_capacity_kb	Number	Used Capacity in KiB

apt_v_avm_clients *(EMC Avamar Views)*

Contains all clients in the Avamar system

Column Name	Data Type	Description
agent_version	String	Avamar agent version
allow_overtime	String	Indicates if overtime is allowed
allow_user_snapup	String	Indicates if user snapup is allowed
allow_user_snapup_filesel	String	Indicates if user snapup filesystem is allowed
avm_domain_name	String	Avamar domain name
backup_date	Date	Backup date for the client
can_page	String	Indicates if pagination is active
checkin_date	Date	Check-in date
cid	String	Client ID name
client_id	Number	Client ID number
contact_email	String	Client contact email
contact_location	String	Client contact location
contact_name	String	Client contact name
contact_notes	String	Client contact notes

contact_phone	String	Client contact phone
created_date	Date	Date this client was created in MCS
enabled	String	If Y, client can be backed up
has_backups	String	If Y, client has backups
is_override_ret_policy	String	If Y, client can override group retention policy
is_registered	String	If Y, client has checked into MCS
master_server_id	Number	Master server ID
modified_date	Date	Date this client was last modified
os_type	String	Client operating system
override_dataset	String	If Y, client can override group dataset
override_init_ret_policy	String	If Y, allow override of standard retention policy on user-initiated backups
override_retry_count	String	If Y, client can override group retry settings
override_timeout	String	If Y, client can override group timeout settings
overtime_option	String	One of the following: ALWAYS - Scheduled group backups are always allowed to run past the schedule duration setting NEXT - Only the next scheduled group backup is allowed to run past the schedule duration setting NEXT_SUCCESS - Scheduled group backups are allowed to run past the schedule duration setting until a successful backup is completed NEVER - Scheduled group backups are never allowed to run past the schedule duration setting
page_addr_locked	String	If Y, address cannot be automatically updated by MCS
page_address	String	The IP address used to contact this client
page_port	Number	Port number at which to contact this client
plugin_backup	String	Plugin used for last backup
registered_date	Date	Registered date/time
restore_only	String	If Y, client can only do restored
retry_count	Number	Connection retry count
timeout	Number	Connection timeout value

apt_v_avm_datasets *(EMC Avamar Views)*

Contains one row per dataset in an Avamar system

Column Name	Data Type	Description
avm_domain_id	Number	Avamar Domain ID

dataset_id	Number	primary key of this view
dataset_name	String	Dataset name
exists_in_catalog	String	Indicates if the dataset is in the catalog
gsan_system_id	String	System-generated identifier for this Avamar system
gsan_system_name	String	User-assigned identifier for this Avamar system
is_all_data	String	GSAN system name
is_link	String	Indicates all data
is_read_only	String	Indicates if read-only dataset
last_updated	Date	Date and time last updated
master_server_id	Number	Master server ID
parent_dataset_id	Number	Parent dataset

apt_v_avm_dpn_statistics *(EMC Avamar Views)*

Contains one row per dataset in an Avamar system

Column Name	Data Type	Description
data_protected_kb	Number	Data Protected in KiB
dpn_date	Date	Data Protection Network Date
last_updated	Date	Last Updated Date
master_server_id	Number	Master Server Identifier

apt_v_avm_dpn_statistics_log *(EMC Avamar Views)*

Contains one row per dataset in an Avamar system

Column Name	Data Type	Description
data_protected_kb	Number	Data Protected in KiB
dpn_date	Date	Data Protection Network Date
log_date	Date	Log Date
master_server_id	Number	Master Server Identifier

apt_v_avm_event_catalog *(EMC Avamar Views)*

Contains one row for every possible event that can occur on an Avamar system

Column Name	Data Type	Description
category	String	Avamar event catalog category
event_catalog_code	Number	Avamar event catalog code
event_catalog_id	Number	primary key of this view
event_catalog_name	String	Name of this event
event_catalog_type	String	Type of event
gsan_system_id	String	System-generated identifier for this Avamar system
gsan_system_name	String	User-assigned identifier for this Avamar system
master_server_id	Number	Master server ID
object	String	Object causing this event
operation	String	Operation currently being performed
severity	String	Severity of this event
software_source	String	Source of this event
summary	String	Summary description of this event

apt_v_avm_events *(EMC Avamar Views)*

Contains one row per event in an Avamar system

Column Name	Data Type	Description
audience	String	Intended audience of event
description	String	Long event description
event_catalog_id	Number	foreign key into apt_v_ev_catalog
event_data	String	Event data
event_date	date	Event date
event_id	Number	Avamar system-generated event id

gsan_system_id	String	System-generated identifier for this Avamar system
gsan_system_name	String	User-assigned identifier for this Avamar system
int_event_id	Number	Event ID
master_server_id	Number	Master server ID
notes	String	Event notes text
remedy	String	Event remedy text
summary	String	Short description of event

apt_v_avm_gc_status *(EMC Avamar Views)*

Contains one row per dataset in an Avamar system

Column Name	Data Type	Description
chunks_deleted	Number	Chunks Deleted
elapsed_minutes	Number	Elapsed Minutes
elapsed_seconds	Number	Elapsed Seconds
end_date	Date	End Date
indexed_stripes	Number	Indexed Stripes
indexed_stripes_processed	Number	Indexed Stripes Processed
last_updated	Date	Last Updated Date
master_server_id	Number	Master Server Identifier
no_of_passes	Number	No. of Passes
node_count	Number	Node Count
recovered_bytes	Number	Recovered Bytes
result	Number	Result
start_date	Date	Start Date
status_id	Number	Status Identifier

apt_v_avm_group_members *(EMC Avamar Views)*

Contains one row per client that is a member of a group in an Avamar system

Column Name	Data Type	Description
avm_group_id	Number	foreign key into apt_v_groups
client_id	Number	foreign key into apt_v_avm_clients
dataset_id	Number	foreign key into apt_v_datasets
gsan_system_id	String	System-generated identifier for this Avamar system
gsan_system_name	String	User-assigned identifier for this Avamar system
is_client_dataset	String	If Y, then this group member uses the client dataset
is_client_ret_policy	String	If Y, then this group member uses the client retention policy
is_client_retry	String	If Y, then this group member uses the client retry setting
is_client_timeout	String	If Y, then this group member uses the client timeout setting
is_enabled	String	If Y, then this group member can be backed up
is_restore_only	String	If Y, then this group member can only do restores
last_updated	Date	Date this group member was last updated
master_server_id	Number	Master server ID
retention_policy_id	Number	foreign key into apt_v_retention_policies

apt_v_avm_groups *(EMC Avamar Views)*

Contains one row per group in an Avamar system

Column Name	Data Type	Description
avm_domain_id	Number	Avamar Domain ID
avm_group_id	Number	Avamar Group ID
created_date	Date	Date the group was created
dataset_id	Number	Dataset ID
exists_in_catalog	String	Indicates if the group is in the catalog
group_name	String	Avamar group name
gsan_system_id	String	System-generated identifier for this Avamar system
gsan_system_name	String	User-assigned identifier for this Avamar system
is_enabled	String	Indicates if the group is enabled

is_failed_stop	String	Indicates if failed-stop is enabled
is_read_only	String	Indicates if group is read-only
is_run_once	String	Indicates if run once is enabled
is_skip_next	String	Indicates if skip to next is enabled
last_updated	Date	Last updated date for group
master_server_id	Number	Master server ID
modified_date	Date	Last modified date for group
priority	Number	Priority of the group
retention_policy_id	Number	Retention policy
retry_count	Number	Retry count
schedule_id	Number	Schedule ID
target_dpn	String	Target data protection network
timeout_min	Number	Minimum timeout

apt_v_avm_node *(EMC Avamar Views)*

Contains one row per dataset in an Avamar system

Column Name	Data Type	Description
access_mode	String	Access Mode
disk_reads_kb	Number	Disk Reads in KiB
disk_writes_kb	Number	Disk Writes in KiB
dispatcher_port	Number	Dispatcher Port
last_updated	Date	Last Updated Date
load_average	Number	Average Load
master_server_id	Number	Master Server Identifier
network_reads_kb	Number	Network Reads in KiB
network_writes_kb	Number	Network Writes in KiB
node_id	String	Node Identifier
number_stripes	Number	Number of Stripes
port	Number	Port Number

processor_utilization_pct	Number	Processor Utilization %
run_level	String	Run Level
server_utilization_pct	Number	Server Utilization %
status	String	Status
total_capacity_kb	Number	Total Capacity in KiB
used_capacity_kb	Number	Used Capacity in KiB
version	String	Version

apt_v_avm_node_log *(EMC Avamar Views)*

Contains one row per dataset in an Avamar system

Column Name	Data Type	Description
disk_reads_kb	Number	Disk Reads in KiB
disk_writes_kb	Number	Disk Writes in KiB
load_average	Number	Average Load
log_date	Date	Log Date
master_server_id	Number	Master Server Identifier
network_reads_kb	Number	Network Reads in KiB
network_writes_kb	Number	Network Writes in KiB
node_id	String	Node Identifier
processor_utilization_pct	Number	Processor Utilization %
server_utilization_pct	Number	Server Utilization %
total_capacity_kb	Number	Total Capacity in KiB
used_capacity_kb	Number	Used Capacity in KiB

apt_v_avm_node_space *(EMC Avamar Views)*

Contains space utilization data on an Avamar system on a per-node basis

Column Name	Data Type	Description

capacity_mb	Number	Disk size
disk_id	String	Disk number
disk_read_only	Number	Value applied to normalize percent full
disk_utilization_pct	Number	Percentage of storage space used
gsan_system_id	String	System-generated identifier for this Avamar system
gsan_system_name	String	User-assigned identifier for this Avamar system
log_date	Date	Date and time sample was taken
master_server_id	Number	Master server ID
node_id	String	Node number
stripes_reserved_mb	Number	Bytes reserved for stripe usage
stripes_used_mb	Number	Amount of reserve stripe bytes used
used_mb	Number	Disk capacity used

apt_v_avm_node_util *(EMC Avamar Views)*

Contains cpu and network utilization data per node on an Avamar system

Column Name	Data Type	Description
cpu_sys_pct	Number	Percentage of node utilization by the operating system
cpu_user_pct	Number	Percentage of node utilization by user
disk_read_only	Number	Value applied to normalize percent full
gsan_system_id	String	System-generated identifier for this Avamar system
gsan_system_name	String	User-assigned identifier for this Avamar system
load_average	Number	Load average
log_date	Date	date and time this sample was taken
master_server_id	Number	Master server ID
nbr_of_disk_read_per_sec	Number	Disk reads per second
nbr_of_disk_write_per_sec	Number	Disk writes per second
net_in_per_sec_kb	Number	Network received KiB/second
net_out_per_sec_kb	Number	Network transmitted KiB/second
net_ping_sec	Number	Node ping time

node_id	String	Identifier for this node in this Avamar system
node_state	String	Node state
node_utilization_pct	Number	Percentage of storage space used

apt_v_avm_partition *(EMC Avamar Views)*

Contains one row per dataset in an Avamar system

Column Name	Data Type	Description
last_updated	Date	Last Updated Date
master_server_id	Number	Master Server Identifier
no_offline_stripes	Number	No. of Offline Stripes
no_transition_stripes	Number	No. of Transition Stripes
node_id	String	Node Identifier
partition_id	String	Partition Identifier
state	String	State
total_capacity_kb	Number	Total Capacity in KiB
used_capacity_kb	Number	Used Capacity in KiB

apt_v_avm_plugin_catalog *(EMC Avamar Views)*

Contains one row per plugin in an Avamar system

Column Name	Data Type	Description
content	String	Content description of this plugin
description	String	Description of this plugin
encryption_mode	String	Encryption methods used: SSL or proprietary
exists_in_catalog	String	Indicates if the plugin exists in the catalog
gsan_system_id	String	System-generated identifier for this Avamar system
gsan_system_name	String	User-assigned identifier for this Avamar system
is_exp_target_support	String	If Y, plugin supports explicit targets

is_imp_target_support	String	If Y, plugin supports implicit targets
is_incl_imp_as_default	String	If Y, plugin includes implicit targets by default
is_multi_target_support	String	If Y, plugin supports multiple targets
last_updated	Date	Date and time last updated
master_server_id	Number	Master server ID
pid_number	Number	Plugin number
plugin_id	Number	Primary key of this view
plugin_name	String	Name of this plugin
plugin_version	String	Plugin version

apt_v_avm_retention_policies *(EMC Avamar Views)*

Contains one row per retention policy on an Avamar system

Column Name	Data Type	Description
avm_domain_id	Number	Avamar Domain ID
daily	Number	Advanced policy daily retention
duration	Number	Duration of retention
exists_in_catalog	String	Indicates if the retention policy is in the catalog
expiration_date	Date	Expiration date of this policy
gsan_system_id	String	System-generated identifier for this Avamar system
gsan_system_name	String	User-assigned identifier for this Avamar system
is_enabled	String	If Y, this retention policy can be used
is_link	String	If Y, this policy is an alias for another policy
is_override	String	If Y, advanced policy is being used
is_read_only	String	If Y, this policy cannot be changed
last_updated	Date	Date and time of last update
master_server_id	Number	Master server ID
monthly	Number	Advanced policy monthly retention
parent_retention_policy_id	Number	foreign key into apt_v_avm_retention_policies to the parent of this policy if any

policy_nbr	Number	Policy number. Valid values are: 0 - Undefined 1 - Compute expiration date 2 - Static expiration date 3 - No expiration date
retention_policy_id	Number	primary key of apt_v_avm_retention_policies
retention_policy_name	String	Name of this retention policy
unit	Number	Duration unit. Valid values are: 0 - No expiration 1 - Days 2 - Weeks 3 - Months 4 - Years
weekly	Number	Advanced policy weekly retention
yearly	Number	Advanced policy yearly retention

apt_v_avm_schedules *(EMC Avamar Views)*

Contains one row per schedule in an Avamar system

Column Name	Data Type	Description
avm_domain_id	Number	Avamar Domain ID
description	String	Description of this schedule
end_date	Date	Date at which this schedule expires
end_policy	Number	Type of schedule termination setting. Valid values are: 2 - Never end 3 - Run N number of times 4 - End on a specific date
end_recurrence	Number	End recurrence. If end_date is not specified, this is a count of the number of times the schedule should run or 0 if it never ends
exists_in_catalog	String	Indicates if the schedule is in the catalog
first_start_date	Date	First date this schedule was used
gsan_system_id	String	System-generated identifier for this Avamar system
gsan_system_name	String	User-assigned identifier for this Avamar system
interval_mod	Number	Interval mode
is_enabled	String	If Y, this schedule can be used
is_fixed_interval	String	Indicates if it is a fixed interval schedule

is_link	String	If Y, this schedule is an alias for another schedule
is_override_endtime	String	If Y, schedule end time can be overridden
is_read_only	String	If Y, schedule cannot be modified
last_check_date	Date	Last schedule check date
last_start_date	Date	Last start date
last_updated	Date	Date and time last updated
master_server_id	Number	Master server ID
parent_schedule_id	Number	foreign key into apt_v_schedules_2 to locate the parent of this schedule if any
recurrence_counter	Number	Number of recurrences
recurrence_interval	String	Recurrence interval
schedule_id	Number	primary key of apt_v_avm_schedules
schedule_name	String	Name of this schedule
start_date	Date	Start Date
start_duration	Date	Duration
time_zone_id	String	Time zone of the server
total_duration	Date	Total schedule duration

EMC Data Domain Views (Go to Top)

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apt_v_ddm_boost_connection *(EMC Data Domain Views)*

Contains Boost Connection related information

Column Name	Data Type	Description
application_version	String	Application version of client.
client_id	String	Client ID.
client_name	String	Client name.
host_id	Number	Foreign key to apt_v_server.
is_dsp	Char	Shows whether Digital Signal Processing is done or not. Values: 'Y' or 'N'.
is_encrypted	Char	Shows whether data sent is encrypted or not. Values: 'Y' or 'N'.
is_idle	Char	Shows whether the client is active or idle. Values: 'Y' or 'N'.
last_updated	Date	Date and time last updated in the Portal database.
os_version	String	Operating System version for client.
plugin_version	String	The plugin version for the client.
transport	String	The transport protocol used for backup.

apt_v_ddm_compression_log *(EMC Data Domain Views)*

Contains historical data for data domain compression

Column Name	Data Type	Description
collection_time	Date	Log record date
global_comp_factor	Number	Global compression factor
host_id	Number	Foreign key to apt_v_server
last_7days_global_comp_factor	Number	Ratio of pre-compression / (size after deduplication) within the last 7 days.
last_7days_local_comp_factor	Number	Ratio of (size after deduplication) / post-compression within the last 7 days.
last_7days_post_comp_size_kb	Number	Storage used after compression within the last 7 days.
last_7days_pre_comp_size_kb	Number	Data written before compression within the last 7 days.
local_comp_factor	Number	Local compression factor
post_comp_size_kb	Number	Post compression size in KiB
pre_comp_size_kb	Number	Pre compression size in KiB

apt_v_ddm_disk *(EMC Data Domain Views)*

Contains one row for each data domain Disk

Column Name	Data Type	Description
capacity_kb	Number	Capacity in KiB
cumulative_kb_per_sec	Number	Cumulative KiB per sec
data_domain_disk_id	String	Data domain disk id
disk_id	Number	Sequence generated primary key
disk_pct_busy	Number	Disk percent busy
disk_state	Number	Disk state
enclosure_id	Number	Foreign key from apt_ddm_enclosure
firmware	String	Firmware
host_id	Number	Foreign key from apt_host
last_updated	Date	Date and time last updated
manufacturer_model	String	Disk manufacturer model
read_sectors_per_sec	Number	Read sectors per sec
serial_number	String	Serial number
spindle_group	Number	Spindle group
write_sectors_per_sec	Number	Write sectors per sec

apt_v_ddm_disk_perf_log *(EMC Data Domain Views)*

Contains historical data for data domain disk performance

Column Name	Data Type	Description
collection_time	Date	Log record date
cumulative_kb_per_sec	Number	Cumulative KiB per second
disk_id	Number	Foreign key to apt_v_ddm_disk
disk_pct_busy	Number	Disk percent busy

host_id	Number	Foreign key to apt_v_server
read_sectors_per_sec	Number	Read sectors per second
write_sectors_per_sec	Number	Write sectors per second

apt_v_ddm_enclosure *(EMC Data Domain Views)*

Contains one row for each data domain Enclosure

Column Name	Data Type	Description
enclosure_id	Number	Data domain enclosure id
host_id	Number	Foreign key from apt_host
last_updated	Date	Date and time last updated
model_number	String	Model number
serial_number	String	Serial number
slot_capacity	Number	Slot capacity

apt_v_ddm_file_level_comp *(EMC Data Domain Views)*

Contains historical data for data domain file level comp

Column Name	Data Type	Description
backup_id	String	An alphanumeric string identifying the backup job or the closest thing to this.
bytes_to_storage_ratio	Number	The ratio of the total bytes sent for backup to storage used.
ddm_host_id	Number	A pointer to the host database table for the Data Domain server.
global_comp_kb	Number	Original kilobytes sent to Data Domain for the sum of all associated NetBackup backup image fragments.
job_id	Number	If the backup ID for this product uniquely identifies the back up job, this will be a link to the job table, otherwise null.
last_updated	Date	The date and time the Data Domain file level compression data was last updated in the Portal database.
local_comp_kb	Number	Represents the space used in kilobytes after compression on Data Domain.
master_server_id	Number	A pointer to the host database table for the backup server.
metadata_kb	Number	Space used in kilobytes for metadata associated with the backup image.
mtree_id	Number	Foreign key to apt_v_ddm_mtree

original_kb	Number	Original kilobytes sent to Data Domain for the NetBackup backup image.
product_type	Number	Vendor product type

apt_v_ddm_file_system *(EMC Data Domain Views)*

Contains one row for each data domain File system

Column Name	Data Type	Description
archive_filesystem_clnble_kb	Number	Estimated amount of recoverable free space from Archive.
archive_filesystem_size_kb	Number	Archive physical disk space available for data.
archive_filesystem_used_kb	Number	Archive physical space used for compressed data.
archive_pre_comp_size_kb	Number	Amount of virtual data stored on the archive Data Domain system.
clean_schedule	String	Clean schedule
filesystem_cleanable_kb	Number	Filesystem cleanable KiB
filesystem_id	Number	Sequence generated primary key
filesystem_name	String	Filesystem name
filesystem_size_kb	Number	Filesystem size in KiB
filesystem_status	Number	Filesystem status
filesystem_used_kb	Number	Filesystem used KiB
host_id	Number	Foreign key from apt_host
last_updated	Date	Date and time last updated
pre_comp_size_kb	Number	Pre-compression size in KiB

apt_v_ddm_file_system_log *(EMC Data Domain Views)*

Contains historical data for data domain File systems

Column Name	Data Type	Description
archive_filesystem_clnble_kb	Number	Estimated amount of recoverable free space from Archive.
archive_filesystem_size_kb	Number	Archive physical disk space available for data.
archive_filesystem_used_kb	Number	Archive physical space used for compressed data.

archive_pre_comp_size_kb	Number	Amount of virtual data stored on the archive Data Domain system.
collection_time	Date	Log record date
filesystem_cleanable_kb	Number	Filesystem cleanable KiB
filesystem_id	Number	Foreign key to apt_v_ddm_file_system
filesystem_size_kb	Number	Filesystem size in KiB
filesystem_used_kb	Number	Filesystem used KiB
host_id	Number	Foreign key to apt_v_server
pre_comp_size_kb	Number	Pre-compression size in KiB
tier_type	String	Possible values for Tier Type: Active Tier/ Archive Tier/ Total

apt_v_ddm_lgcl_strg_unit_log *(EMC Data Domain Views)*

Contains historical data for data domain logical storage units

Column Name	Data Type	Description
collection_time	Date	Log record date
globally_compressed_kb	Number	Globally compressed in KiB
host_id	Number	Foreign key to apt_v_server
locally_compressed_kb	Number	Locally compressed in KiB
logical_storage_unit_id	Number	Foreign key to apt_v_ddm_logical_strg_unit
meta_data_size_kb	Number	Meta data size in KiB
original_size_kb	Number	Original size in KiB
total_files	Number	Total number of files

apt_v_ddm_logical_strg_unit *(EMC Data Domain Views)*

Contains one row for each data domain logical storage unit

Column Name	Data Type	Description
host_id	Number	Foreign key from apt_host
last_updated	Date	Date and time last updated

logical_storage_unit_id	Number	Sequence generated primary key
logical_storage_unit_name	String	Logical storage unit name

apt_v_ddm_mtree *(EMC Data Domain Views)*

Contains mtree related information

Column Name	Data Type	Description
collection_time	Date	Most Recent date and time of the last change in the connection state.
created_date	Date	The creation date for the MTree.
host_id	Number	Foreign key to apt_v_server
last_updated	Date	Date and time last updated in the Portal database.
lst_24hrs_global_comp_fct	Number	Most Recent Ratio of pre-compression / (size after deduplication) within the last 24 hours.
lst_24hrs_local_comp_fct	Number	Most Recent Ratio of (size after deduplication) / post-compression within the last 24 hours.
lst_24hrs_post_comp_size_kb	Number	Most Recent Storage used after compression within the last 24 hours.
lst_24hrs_pre_comp_size_kb	Number	Most Recent Data written before compression within the last 24 hours. Represents the space used and compression achieved for files and directories in the file system.
lst_7days_global_comp_fct	Number	Most Recent Ratio of pre-compression / (size after deduplication) within the last 7 days.
lst_7days_local_comp_fct	Number	Most Recent Ratio of (size after deduplication) / post-compression within the last 7 days.
lst_7days_post_comp_size_kb	Number	Most Recent Storage used after compression within the last 7 days. Values are stored as KiB in the database and rendered according to your user profile preferences.
lst_7days_pre_comp_size_kb	Number	Most Recent Data written before compression within the last 7 days. Values are stored as KiB in the database and rendered according to your user profile preferences.
mtree_id	Number	Sequence generated primary key
mtree_name	String	Name of the MTree.
pre_compression_kb	Number	The amount of pre-compression data in KiB.
status	String	The status of the MTree.
tenant_unit	String	The tenant unit associated with the MTree.

apt_v_ddm_mtree_comp_log *(EMC Data Domain Views)*

Contains historical data for data domain mtree compression

Column Name	Data Type	Description
collection_time	Date	Log record date
host_id	Number	Foreign key to apt_v_server
lst_24hrs_global_comp_fct	Number	Ratio of pre-compression / (size after deduplication) within the last 24 hours.
lst_24hrs_local_comp_fct	Number	Ratio of (size after deduplication) / post-compression within the last 24 hours.
lst_24hrs_post_comp_size_kb	Number	Storage used after compression within the last 24 hours.
lst_24hrs_pre_comp_size_kb	Number	Data written before compression within the last 24 hours. Represents the space used and compression achieved for files and directories in the file system.
lst_7days_global_comp_fct	Number	Ratio of pre-compression / (size after deduplication) within the last 7 days.
lst_7days_local_comp_fct	Number	Ratio of (size after deduplication) / post-compression within the last 7 days.
lst_7days_post_comp_size_kb	Number	Storage used after compression within the last 7 days. Values are stored as KiB in the database and rendered according to your user profile preferences.
lst_7days_pre_comp_size_kb	Number	Data written before compression within the last 7 days. Values are stored as KiB in the database and rendered according to your user profile preferences.
mtree_id	Number	Foreign key to apt_v_ddm_mtree
mtree_name	String	Name of the MTree.

apt_v_ddm_server_license *(EMC Data Domain Views)*

Contains server license related information

Column Name	Data Type	Description
host_id	Number	Foreign key to apt_v_server
last_updated	Date	Date and time last updated
license_Key	String	The characters of a valid license key
license_feature	String	The name of the licensed feature

apt_v_ddm_system *(EMC Data Domain Views)*

Contains one row for each data domain system

Column Name	Data Type	Description
creation_date	Date	Date and time this file system was created
filesys_encypted_algor	String	File System encryption algorithm

host_id	Number	Foreign key from apt_host
is_filesys_encrypted	String	Is File System encrypted
is_filesys_locked	String	Is File System locked
last_updated	Date	Date and time last updated
serial_number	String	Serial number
server_timezone	String	Server timezone

apt_v_ddm_system_log *(EMC Data Domain Views)*

Contains historical data for data domain systems

Column Name	Data Type	Description
collection_time	Date	Log record date
cpu_avg_pct_busy	Number	CPU average percent busy
cpu_max_pct_busy	Number	CPU maximum percent busy
disk_pct_busy	Number	Disk percent busy
disk_read_kb	Number	Disk read in KiB
disk_written_kb	Number	Disk written in KiB
host_id	Number	Foreign key to apt_v_server
net_kb_in	Number	Net KiB in
net_kb_out	Number	Net KiB out
nfs_proc_pct_busy	Number	nfs process percent busy
replication_kb	Number	Replication KiB

apt_v_ddm_system_model *(EMC Data Domain Views)*

Contains one row for each data domain system model

Column Name	Data Type	Description
ddm_system_model_number	String	Data domain system model number
raw_capacity_kb	Number	Raw capacity in KiB

apt_v_ddm_system_replication *(EMC Data Domain Views)*

Contains one row for each data domain system replication

Column Name	Data Type	Description
connection_time	Date	Connection time
context_number	Number	Context number
dest_directory	String	Destination directory
error	String	Error
host_id	Number	Foreign key from apt_host
last_updated	Date	Date and time last updated
post_comp_received_kb	Number	Post-compression KiB remaining
post_comp_sent_kb	Number	Post-compression KiB sent
pre_comp_remaining_kb	Number	Pre-compression KiB remaining
pre_comp_sent_kb	Number	Pre-compression KiB sent
replication_throttle	Number	Replication throttle
source_directory	String	Source directory
state	String	State
synced_of_time	String	Synced of time

apt_v_ddm_system_snapshot *(EMC Data Domain Views)*

Contains one row for each data domain system snapshot

Column Name	Data Type	Description
created_date	Date	Created date
host_id	Number	Foreign key from apt_host
last_updated	Date	Date and time last updated
mtree_name	String	MTree name
pre_compression_kb	Number	Pre compression KiB

retain_until_date	Date	Retail until date
snapshot_name	String	Snapshot name
snapshot_status	String	Snapshot status

apt_v_ddm_tape *(EMC Data Domain Views)*

Contains one row for each data domain tape

Column Name	Data Type	Description
compression_factor	Number	Compression factor
host_id	Number	Foreign key from apt_host
last_updated	Date	Date and time last updated
tape_barcode	String	Tape barcode
tape_location	String	Tape location
tape_modified_time	Date	Tape modified time
tape_pool_id	Number	Foreign key from apt_ddm_tape_pool
tape_size_kb	Number	Tape capacity in KiB
tape_state	String	Tape state
tape_type	String	Tape type
tape_used_kb	Number	Tape used capacity in KiB
virtual_tape_library_id	Number	Foreign key from apt_ddm_virtual_tape_lib

apt_v_ddm_tape_drive *(EMC Data Domain Views)*

Contains one row for each data domain tape drive

Column Name	Data Type	Description
host_id	Number	Foreign key from apt_host
last_updated	Date	Date and time last updated
model_number	String	Model number
revision	String	Revision

serial_number	String	Serial number
tape_drive_name	String	Tape drive name
tape_drive_status	Number	Tape drive status
tape_volume	String	Tape volume
vendor	String	Vendor
virtual_tape_library_id	Number	Foreign key from apt_ddm_virtual_tape_lib

apt_v_ddm_tape_pool *(EMC Data Domain Views)*

Contains one row for each data domain tape pool

Column Name	Data Type	Description
host_id	Number	Foreign key from apt_host
last_updated	Date	Date and time last updated
tape_pool_id	Number	Sequence generated primary key
tape_pool_name	String	Tape pool name

apt_v_ddm_virtl_tape_lib_log *(EMC Data Domain Views)*

Contains historical data for data domain virtual tape libraries

Column Name	Data Type	Description
collection_time	Date	Log record date
hard_errors	Number	Number of hard errors
host_id	Number	Foreign key to apt_v_server
operations_per_sec	Number	Operations per second
read_kb_per_sec	Number	Read KiB per second
soft_errors	Number	Number of soft errors
virtual_tape_library_id	Number	Foreign key to apt_v_ddm_virtual_tape_lib
write_kb_per_sec	Number	Write KiB per second

apt_v_ddm_virtual_tape_lib *(EMC Data Domain Views)*

Contains one row for each data domain virtual tape library

Column Name	Data Type	Description
host_id	Number	Foreign key from apt_host
last_updated	Date	Date and time last updated
model_number	String	Model number
revision	String	Revision
serial_number	String	Serial number
total_cartridge_access_ports	Number	Total cartridge access ports
total_drives	Number	Total drives
total_slots	Number	Total slots
vendor	String	Vendor
virtual_tape_library_id	Number	Sequence generated primary key
virtual_tape_library_name	String	Virtual tape library name
virtual_tape_library_status	Number	Virtual tape library status

EMC NetWorker Views (Go to Top)

apt_v_leg_client_resource
apt_v_leg_cr_group
apt_v_leg_directive
apt_v_leg_disk_media
apt_v_leg_job
apt_v_leg_job_clone
apt_v_leg_job_tape_media
apt_v_leg_period
apt_v_leg_saveset_group
apt_v_leg_schedule
apt_v_leg_tape_library
apt_v_leg_tape_media

apt_v_leg_client_resource *(EMC NetWorker Views)*

Contains a single row for each Legato client resource.

Column Name	Data Type	Description
allowed_parallelism	Number	Maximum number of saves that should be run at the same time for the client

archive_services_enabled	String	Y=Yes, N=No
browse_period_id	Number	Browse period Identifier.
browse_period_name	String	Browse period name.
browse_period_type	String	Browse period type.
client_id	Number	Foreign key of the client for the Legato client (see apt_v_server)
client_name	String	Name of the Legato client.
client_resource_aliases	String	Native aliases of the Legato client resource.
client_resource_comment	String	Native Legato client resource comments.
client_resource_id	Number	Unique client resource ID. Primary key in this view. This is the internal client resource ID and NOT the same as the Legato client resource ID.
client_resource_name	String	Name of the Legato client resource.
client_software_version	String	Client software version
directive_id	Number	Internal ID for the Legato directive
directive_name	String	Name of the directive
file_paths	String	File Paths.
instance_name	String	Name of the server instance
last_updated	Date	last updated date
ndmp_enabled	String	Y=Yes, N=No
networker_version	String	Legato networker version
priority	Number	Native priority of this client resource.
retention_period_id	Number	Retention period Identifier.
retention_period_name	String	Retention period name.
retention_period_type	String	Retention period type.
schedule_id	Number	Internal ID for the Legato schedule
schedule_name	String	Name of the schedule
scheduled_backup	String	Y=Yes, N=No
server_instance_id	Number	Server the directive is associated with Foreign key to apt_v_server_instance
server_name	String	Server internal name
vendor_client_id	String	Native Legato client identifier.

apt_v_leg_cr_group *(EMC NetWorker Views)*

Contains a single row for each unique Legato client resource group.

Column Name	Data Type	Description
client_resource_id	Number	Foreign key to apt_v_leg_client_resource
client_resource_name	String	Name of the client resource
saveset_group_id	Number	Foreign key to the Legato saveset group detail
saveset_group_name	String	Name of the Legato saveset group tp which the saveset belongs

apt_v_leg_directive *(EMC NetWorker Views)*

Contains a single row for each Legato directive.

Column Name	Data Type	Description
directive_comment	String	Free form text
directive_id	Number	Internal ID for the Legato directive
directive_name	String	Name of the directive
directives	String	This attribute contains the rules defining the directive
instance_name	String	Name of the server instance
server_instance_id	Number	Server the directive is associated with Foreign key to apt_v_server_instance

apt_v_leg_disk_media *(EMC NetWorker Views)*

Contains a single row for each Legato disk media.

Column Name	Data Type	Description
barcode	String	Barcode
disk_media_id	Number	Unique Disk Media ID
expiration_date	Date	Expiration date of media

expiration_status	String	Expiration status of media
first_label_date	Date	Date when media was first labelled
instance_name	String	Name of the instance
last_access_date	Date	Date media was last accessed
last_relabel_date	Date	Date when media was re-labelled
last_updated	Date	Date last updated
library_id	Number	Foreign key to the Tape Library that contains this piece of tape media (See apt_v_tape_library)
library_name	String	Name of the Library
library_slot_nbr	Number	Slot number of the Library
media_availability	String	Availability of media
media_capacity_mbytes	Number	Capacity of disk media
media_name	String	Name of the media
media_state	String	State of media
media_status	String	Status of the media
media_type_family	String	Media type family
nbr_of_mounts	Number	Number of mounts on media
nbr_of_recycle	Number	Number of recycle
nbr_of_savesets	Number	Number of save sets
percent_used	Number	Percent of disk media used
read_kilobytes	Number	KiB read from disk media
server_id	Number	Foreign key of the server ID for host details
server_instance_id	Number	Unique ID for the server instance
server_name	String	Server internal name
vendor_disk_media_id,	Number	Vendor disk media ID
vendor_media_status	Number	Status of vendor media
vendor_media_type	Number	Type of the vendor media
volume_flags	String	Volume flag
volume_pool_id	Number	Foreign key to the default volume pool for this disk media
volume_pool_name	String	Volume pool name for this disk media
written_kilobytes	Number	KiB written to disk media

apt_v_leg_job *(EMC NetWorker Views)*

Contains a single row for each Legato job.

Column Name	Data Type	Description
browse_date	Date	Browse date for the Legato job.
client_id	Number	Foreign key of the client ID for the Legato client (see apt_v_server)
client_name	String	Name of the Legato client being backed up.
client_resource_id	Number	Foreign key to the Legato client resource details
client_resource_name	String	Name of the Legato client Resource.
finish_date	Date	Date/time that the job completed
insertion_date	Date	Insertion date of the Legato job.
is_active	String	Y=Yes, N=No
is_save_group_active	String	Y-Yes N-No
job_id	Number	Unique job ID. Primary key in this view. This is the internal job ID and NOT the same as the Legato Job ID.
job_type	Number	Enumeration field with the following possible values: 301 = Full Backup 302 = Incremental Backup 303 = Migration 304 = Manual Backup 305 = Consolidate 306 = Copy 307 = Diff 308 = 1 309 = 2 310 = 3 311 = 4 312 = 5 313 = 6 314 = 7 315 = 8 316 = 9 317 = Restore 399 = Other

job_type_name	String	Enumeration field with the following possible values: Full Backup Incr Backup Migration Manual Backup Consolidate Copy Diff One Two Three Four Five Six Seven Eight Nine
kilobytes	Number	For backup jobs, this is the number of KiB in the backup. For restore jobs, this is the number of KiB restored
last_access_date	String	Last Access Date
long_saveset_id	String	Legato specific long saveset ID. Uniquely identifies the Legato job.
media_type	String	This is an enumeration field with the following values: D = Disk based backup T = Tape based backup L = Logical backup
nbr_of_attempts	Number	Numbers of attempts for the Legato save set.
nbr_of_copies	Number	Number of copies (instances or clones) of the Legato save set, all with the same save time and save set id
nbr_of_files	Number	Number of files affected by the Legato job
product_type	Number	Enumeration field with the following possible values: 1 - Veritas NetBackup 2 - Veritas Backup Exec 3 - EMC NetWorker 4 - IBM Tivoli Storage Manager 5 - Comm Vault Galaxy 6 - HP Data Protector
retention_date	Date	Retention date (expiration time) for the Legato job.
save_date	Date	Legato client job start time
saveset_group_id	Number	Foreign key to the Legato save set group details
saveset_group_instance_id	Number	Foreign key to the Legato save set group instance details. This would provide the historical group start time, finish time, and status.
saveset_group_name	String	Name of the Legato save set group that the save set belongs to.
saveset_id	Number	Legato specific saveset ID. Uniquely identifies the Legato job.
saveset_name	String	Name of the Legato saveset
saveset_status	String	Native Legato status for the save set.

server_id	Number	Foreign key of the server ID for the Legato Master server (see apt_v_server)
server_name	String	Name of the Legato master server
start_date	Date	Date/time that the job started
summary_status	Number	This is an enumeration field with the following values: 0 =successful 1 = partial / warning 2 = failed / error
vendor_state	Number	Legato job state codes. This is an enumeration field with the following values: 0 = Job is Complete , 1=Job is runnin/in-process
vendor_state_name	String	Legato job state names. This is an enumeration field with the following values: Completed, Running
vendor_status	Number	This is an enumeration field with the following values: 0 =successful 1 = partial / warning 2 = failed / error
vendor_status_name	String	This is an enumeration field with the following values: Successful Partial / Warning Failed In Progress
vendor_summary_status	String	This is an enumeration field with the following values: B = Browsable R = Recoverable E = Expired A = Aborted I = In Progress
vendor_summary_status_name	String	This is an enumeration field with the following values: Browsable Recoverable Expired Aborted In Progress
vm_guest_id	Number	VM Guest Id
vm_guest_name	String	VM Guest Name

apt_v_leg_job_clone *(EMC NetWorker Views)*

Contains a single row for each Legato job clone.

Column Name	Data Type	Description
clone_date	Date	Clone date for the Legato job.
clone_id	Number	Unique job ID. Primary key in this view. This is the internal clone ID and NOT the same as the Legato Job ID.

clone_retention_date	Date	Clone Retention date (expiration time) for the Legato job.
job_id	Number	Foreign key to the unique ID for the Job that this row related to.
original	String	Y=Yes, N=No
summary_status	String	This is an enumeration field with the following values: 0 =successful 1 = partial / warning 2 = failed / error This field can be inspected to determine the overall summary status of a job.

apt_v_leg_job_tape_media *(EMC NetWorker Views)*

Contains a single row for each Legato tape media.

Column Name	Data Type	Description
client_id	Number	Foreign key of the client ID for the Legato client (see apt_v_server)
client_name	String	Name of the Legato client being backed up.
clone_date	Date	Date/Time when the clone was taken
clone_id	Number	Legato specific clone ID.
clone_retention_date	Date	Retention date/time of the clone
current_kilobytes	Number	KiB backed up by this drive
drive_id	Number	Unique drive ID. This is the internal drive ID and NOT the same as the Legato drive ID
drive_name	String	Name of the drive that wrote to this tape media.
finish_readwrite	Date	Date/time the drive finished to read/write
is_original	String	Y=Yes, N=No
job_id	Number	Unique job ID. This is the internal job ID and NOT the same as the Legato Job ID.
kilobytes	Number	KiB backed up for this job
start_readwrite	Date	Date/time the drive started to read/write
status_name	String	The following is a list of the enumeration values: Abort Incomplete Suspect (Read Error) Y=Yes, N=No Yes means that this is the original backup.
tape_media_id	Number	Foreign key to the Tape Media (See apt_v_leg_tape_media)
transfer_rate	Number	Transfer rate of this read/write.

vendor_status	String	The following is a list of the enumeration values: Complete Head Middle Tail
volume_pool_id	Number	Unique volume pool ID. This is the internal volume pool ID and NOT the same as the Legato volume pool ID
volume_pool_name	String	Name of the volume pool that the tape media belongs to.

apt_v_leg_period *(EMC NetWorker Views)*

Contains a single row for each unique Legato period.

Column Name	Data Type	Description
instance_name	String	Name of the instance
nbr_of_period	Number	Number of periods
period_comment	String	Comment of the period
period_id	Number	Unique Period ID
period_name	String	Name of the period
period_type	String	Type of the period
server_instance_id	Number	Unique ID for the server instance
server_name	String	Server internal name

apt_v_leg_saveset_group *(EMC NetWorker Views)*

Contains a single row for each unique Legato saveset group.

Column Name	Data Type	Description
auto_restart	String	Y=Yes, N=No
auto_start	String	Y=Yes, N=No
backup_level	String	This is an explicit level the savegroup will use when started automatically by NetWorker
backup_level_date	Date	This is an explicit level the savegroup will use when started automatically by NetWorker
clone_saveset	String	Y=Yes, N=No
clone_volume_pool_id	Number	The ID of the pool to which the save set clones should be sent

force_incremental_backup	String	Y=Yes, N=No
group_comment	String	Free form text field
group_name	String	Name of the saveset group
instance_name	String	Name of the server instance
is_active	String	Y/N indicating whether the group exists in Networker or not. Y = exists, N = does not exist.
nbr_of_retries	Number	Number of retries
printer	String	The printer to which the bootstrap save set information will be printed
progress_filename	String	The name of a (private) file where savegroup stores the current representation of the groups work list and completion information
run_interval	String	This attribute specifies how often this group is to be run automatically
run_options	String	The values specify flags with which this group will be run
save_group_parallelism	Number	If this value is non-zero, then the savegroup program eschews all other paralelism policies and attempts to keep that number of saves running
saveset_group_id	Number	Internal ID for the saveset group
schedule_id	Number	The schedule id to use for determining what level of save to perform
server_instance_id	Number	Server with which the saveset group is associated. Foreign key to apt_v_server_instance
start_time	String	The time of day when this group will start saving
success_threshold	String	The current status of this group
timeout_in_minutes	Number	The number of minutes that the savegrooup command waits for any kind of activity on the server before concluding that a savegroup descendant is hung

apt_v_leg_schedule *(EMC NetWorker Views)*

Contains a single row for each Legato schedule.

Column Name	Data Type	Description
action_type_list	String	String that describes the types of backup (full, incremental, etc.) to be performed on the day in the period
instance_name	String	Name of the server instance
period_type	String	M=Month and W=Week
schedule_comment	String	Free form text
schedule_id	Number	Internal ID for the Legato schedule
schedule_name	String	Name of the schedule
server_instance_id	Number	Server the schedule is associated with. Foreign key to apt_v_server_instance

apt_v_leg_tape_library *(EMC NetWorker Views)*

Contains a single row for each unique Legato tape library.

Column Name	Data Type	Description
auto_media_management_enabled	String	Y=Yes, N=No
available_slots	String	Available slot numbers
cleaning_slot_numbers	String	Cleaning slot numbers
control_port_number	String	The path of the control port for the library
controlling_server_id	Number	Key to the media server that is controlling the library
controlling_server_name	String	Name of the controlling server
current_operation	String	The operation currently being performed on the jukebox
current_operation_drive_id	Number	Drive ID used by current operation
current_operation_options	String	The mode of the volume used when the current operation will be performed
current_operation_slot_nbr	Number	Slot number used by current operation
default_nbr_of_cleaning	Number	The number of uses assigned to a new cleaning cartridge during an inventory of a jukebox
description	String	Free form text
device_name	String	Device name that controls the tape library
first_slot_number	Number	First slot number in the library
internal_name	String	Server internal name
is_auto_clean_devices_enabled	String	Y=Yes, N=No
is_enabled	String	Y=Yes, N=No
is_online	String	Y=Yes, N=No
last_slot_number	Number	Last slot number in the library
library_comment	String	Free form text
library_id	Number	Unique tape library ID
library_name	String	Custom name that can be assigned to the library
loaded_slot_numbers	String	Slot numbers loaded
media_capacity	Number	Total number of tapes that could be loaded within this tape library
model	String	The jukebox model

nbr_of_devices	Number	Number of devices attached to the library
nbr_of_drives	Number	Number of tape drives within the tape library
operation_error_msg	String	Error message from Legato log
read_server_id	Number	ID of a read server
read_server_name	String	Host name that is used in selecting a storage node for recover and read side clone requests
serial_number	String	The serial number of the tape library
server_id	Number	Key to the server with which this library is associated
use_barcode_labels	String	Y=Yes, N=No
use_barcode_reader	String	Y=Yes, N=No
vendor_library_nbr	Number	Unique number assigned by Legato to each library
vendor_library_type	String	Vendor specific library type name

apt_v_leg_tape_media *(EMC NetWorker Views)*

Contains a single row for separate piece of tape media.

Column Name	Data Type	Description
barcode	String	Barcode of the tape media
expiration_date	Date	Date/time this tape media is set to expire.
expiration_status	String	This field contains the expiration status. The following is a list of the enumeration values: E = Expired M = Manual U = Undef
expiration_status_name	String	Expiration status name as above
first_label_date	Date	Date/time this tape media was first labeled.
last_access_date	Date	Last date/time this tape was accessed
last_relabel_date	Date	Date/time this tape media was relabled labeled.
library_id	Number	Foreign key to the Tape Library that contains this piece of tape media (See apt_v_tape_library)
library_name	String	Name of the tape library
library_slot_nbr	Number	Slot number within the tape library. This will be NULL for offsite tapes or tapes that are not within a library
media_availability	String	This field contains the media availability codes. The following is a list of the enumeration values: N = Nearline (in a Jukebox) O = OV

media_availability_name	String	Media availability names as above
media_capacity_mbytes	Number	Capacity of the tape media in MiB
media_name	String	Legato media name
media_state	String	This field contains the media state. The following is a list of the enumeration values: E = Eligible For Recycling M = Manually-Recyclable A = Archive Or Migration Volumes X = Both
media_state_name	String	Media state name as above
media_status	String	This field contains the media status. The following is a list of the enumeration values: Y = Deleted E = Empty D = Filling F = Full P = Error X = Unavailable C = Cleaning V = Status in vendor media status column
media_status_name	String	Media status names as above.
nbr_of_mounts	Number	Number of mounts
nbr_of_recycle	Number	Number of recycle
nbr_of_savesets	Number	Number of savesets on this tape media
percent_used	Number	Percent of the tape media already used.
product_type	Number	Enumeration field with the following possible values: 1 Veritas NetBackup 2 Veritas Backup Exec 3 Legato NetWorker 4 IBM Tivoli Storage Manager 5 CommVault Galaxy 6 HP Data Protector
product_type_name	String	Names as above
read_kilobytes	Number	KiB of data read from this tape.
server_id	Number	Foreign key to the master server that is managing this piece of tape media (See apt_v_server)
server_name	String	Name of the master server that is managing this piece of tape media (See apt_v_server)
tape_media_id	Number	Unique ID of the tape media. This is an internal ID and not the same as the tape media name/code or barcode in backup product

vendor_media_status	Number	Vendor media status is stored in the RAW format with the bits as below: 1 = Dirty 2 = Read Only 3 = Appendable 4 = Elligible for Recycling 5 = Manually Recyclable 6 = Archive 7 = Empty 8 = Full
vendor_media_status_name	String	Media status name as above

vendor_media_type	Number	This field contains the media status. The following is a list of the enumeration values: 1 = File 2 = 3590 3 = 3592 4 = 4MM 5 = 8MM 6 = DLT 7 = LTO 8 = 3480 9 = 3570 10 = 4890 11 = 4MM 12GB 12 = 4MM 20GB 13 = 4MM 4GB 14 = 4MM 8GB 15 = 4MM DAT72 16 = 8MM 20GB 17 = 8MM 5GB 18 = 8MM AIT 19 = 8MM AIT-2 20 = 8MM AIT-3 21 = 8MM AIT-4 22 = 8MM MAMMOTH-2 23 = 9490 24 = 9840 25 = 9840B 26 = 9840C 27 = 9940 28 = 9940B 29 = ADV_FILE 30 = DLT1 32 = DLT7000 33 = DLT8000 34 = HIMT 35 = LOGICAL 36 = LTO ULTRIUM 37 = LTO ULTRIUM-2 38 = LTO ULTRIUM-3 39 = Optical 40 = QIC 41 = SAIT-1 42 = SD3 SDLT 43 = SDLT320 44 = SKLT600 45 = SLR 46 = TKZ90 47 = TRAVAN10 48 = TZ85 49 = TZ86 50 = TZ87 51 = TZ88 52 = TZ89 53 = TZ90 54 = TZS20 55 = VXA
vendor_media_type_name	String	Media type name as above

vendor_tape_media_id	Number	Legato tape media id
volume_pool_id	Number	Foreign key to the volume pool that this piece of tape media belongs to
volume_pool_name	String	Name of the volume pool
written_kilobytes	Number	Amount of data already written to this tape media in KiB

Generic Backup Views (Go to Top)

apt_v_gen_job

apt_v_gen_job *(Generic Backup Views)*

Generic Backup Job summary

Column Name	Data Type	Description
actual_start_date	Date	Actual start date
client_id	Number	Foreign key to apt_v_server
dedup_files	Number	Deduplicated files
dedup_size	Number	Deduplicated size
device_id	Number	Device ID
finish_date	Date	Date/time that the job completed
job_id	Number	Unique job ID. Primary key in this view
job_name_id	Number	Job Name ID
media_id	Number	Media ID
nbr_of_directories	Number	Number of directories
orig_files	Number	Original files
orig_size	Number	Original size
pathname	String	Path name
policy_id	Number	Policy ID
schedule_id	Number	Schedule ID
schedule_name	String	Schedule Name
scheduled_start_date	Date	Scheduled start date

start_date	Date	Date/time that the job started
vendor_id	Number	Vendor ID
vendor_job_id	String	Vendor job ID
vendor_job_type	String	Vendor job type
vendor_name	String	Vendor Name
vendor_policy_name	String	Vendor Policy Name
vendor_status_code	String	Vendor status code

HP Data Protector Views (Go to Top)

apt_v_hpd_backup_schedule
apt_v_hpd_disk_drive
apt_v_hpd_job
apt_v_hpd_session
apt_v_hpd_session_errclient
apt_v_hpd_session_tape_media
apt_v_hpd_tape_library
apt_v_hpd_tape_media

apt_v_hpd_backup_schedule *(HP Data Protector Views)*

Contains a single row for each HPDP backup schedule.

Column Name	Data Type	Description
backup_specification_id	Number	Backup specification ID
backup_specification_name	String	Backup specification name
backup_type	Number	Enumeration field with the following possible values: 1 = Full backup 2 = Incremental backup 3 = Incremental One backup 4 = Incremental Two backup 5 = Incremental Three backup 6 = Incremental Four backup 7 = Incremental Five backup 8 = Incremental Six backup 9 = Incremental Seven backup 10 = Incremental Eight backup 11 = Incremental Nine backup 12 = Diff 98 = Restore
backup_type_name	String	Backup type name
client_id	Number	Foreign key of the client ID for the client scheduled to be backed up (see apt_v_server)
client_name	String	Client name

description	String	Description
drive_id	Number	Internal ID for tape drive (see apt_v_tape_drive)
is_active	String	Y=Yes, N=No
last_full_backup_date	Date	Last full backup date
last_full_backup_kb	Number	Last full backup KiB
last_incr_backup_date	Date	Last incremental backup date
last_incr_backup_kb	Number	Last incremental backup KiB
mount_point	String	Mountpoint
next_backup_date	Date	Next backup date
next_backup_type	Number	Enumeration field with the following possible values: 1 = Full backup 2 = Incremental backup 3 = Incremental One backup 4 = Incremental Two backup 5 = Incremental Three backup 6 = Incremental Four backup 7 = Incremental Five backup 8 = Incremental Six backup 9 = Incremental Seven backup 10 = Incremental Eight backup 11 = Incremental Nine backup 12 = Diff 98 = Restore
next_backup_type_name	String	Next backup type name
object_type	Number	This is an enumeration field with the following values: 0 = Unknown 1 = filesystem 2 = winfs 3 = omnidb 4 = rawdisk 5 = sap 6 = sapdb 7 = stream 8 = oracle8 9 = mssql 10 = msexchange 11 = mbx 12 = informix 13 = sybase 14 = lotus 15 = vss 16 = db2 17 = IDB
object_type_name	String	Object type name
owner_group	String	Owner group

post_exec_script_name	String	Post execution script name
pre_exec_script_name	String	Pre execution script name
schedule_date	Date	Schedule date
server_id	Number	Foreign key of the server ID for the HPDP Cell Manager server (see apt_v_server)
server_instance_id	Number	Server the schedule is associated with Foreign key to apt_v_server_instance
server_name	String	HPDP cell manager server name
volume_pool_id	Number	Volume pool ID

apt_v_hpd_disk_drive *(HP Data Protector Views)*

The apt_v_hpd_disk_drive view contains a single row for physical disk drive.

Column Name	Data Type	Description
description	String	Description of the drive
device_name	String	Device name
disk_drive_id	Number	Sequence generated Primary key
disk_drive_name	String	Disk drive name
drive_in_use	String	Y or N indicating whether the drive is in use
drive_index	Number	Drive index
drive_status	String	Status of the drive
management_server_id	Number	ID of the management server for the drive
serial_nbr	String	Serial number
vendor_drive_status	String	Vendor drive status
vendor_drive_type	Number	Vendor drive type
volume_pool_id	Number	Foreign key from ptl_volume_pool

apt_v_hpd_job *(HP Data Protector Views)*

Contains a single row for each HPDP job.

Column Name	Data Type	Description

Object_Backup_Type	String	The type of Backup Object
access_type	String	This is an enumeration field with the following values: O = Unknown V = Private P = Public
access_type_name	String	Access type name
backup_id	String	HPDP backup ID
backup_specification_id	Number	Internal Id for the backup specification (see apt_v_hpd_backup_schedule)
backup_specification_name	String	Backup specification name (see apt_v_hpd_backup_schedule)
catalog_retention	String	Catalog retention
client_id	Number	Foreign key of the client ID for the HPDP client (see apt_v_server)
client_name	String	Client host name
copy_id	String	Copy ID
data_protection	String	Data protection
description	String	Description
diskagent_id	Number	The Diskagent_ID is used to uniquely identify the backup object-session combination
drive_id	Number	Internal ID for the drive that was used to backup the job (see apt_v_tape_drive)
duration	Number	Duration in Hour, Minute, Second
encrypted	String	The encryption status of the backed up object
finish_date	Date	Date/time that the job completed
is_active	String	Y=Yes, N=No
job_bitflags	Raw	This is a bit field that can be ORed to represent the following bitwise variables
job_id	Number	Unique job ID. Primary key in this view. This is internal job ID and NOT the same as the HPDP Job ID.
job_type	Number	Enumeration field with the following possible values: 601 = Full backup 602 = Incremental backup 603 = Incremental One backup 604 = Incremental Two backup 605 = Incremental Three backup 606 = Incremental Four backup 607 = Incremental Five backup 608 = Incremental Six backup 609 = Incremental Seven backup 610 = Incremental Eight backup 611 = Incremental Nine backup 612 = Diff 698 = Restore 699 = Other

job_type_name	String	Job type name
kilobytes	Number	For backup jobs, this is the number of KiB in the backup. For restore jobs, this is the number of KiB restored
mb_per_min	Number	Mega bytes per minute
media_type	String	D=Disk based backup, T=Tape based backup
mountpoint	String	mountpoint
nbr_of_errors	Number	Number of errors
nbr_of_files	Number	Number of files affected by the HPDP job
nbr_of_warnings	Number	Number of warnings
object_type	Number	This is an enumeration field with the following values: 0 = Unknown 1 = filesystem 2 = winfs 3 = omnidb 4 = rawdisk 5 = sap 6 = sapdb 7 = stream 8 = oracle8 9 = mssql 10 = msexchange 11 = mbx 12 = informix 13 = sybase 14 = lotus 15 = vss 16 = db2 17 = IDB
object_type_name	String	Object Type Name
product_type	Number	Enumeration field with the following possible values: 1 - Veritas NetBackup 2 - Veritas Backup Exec 3 - EMC NetWorker 4 - IBM Tivoli Storage Manager 5 - Comm Vault Galaxy 6 - HP Data Protector
product_type_name	String	Product type name
server_id	Number	Foreign key of the server ID for the HPDP Cell Manager server (see apt_v_server)
server_name	String	Server host name
session_id	Number	Internal ID for HPDP session
session_name	String	HPDP Session Name
start_date	Date	Date/time that the job started

summary_status	Number	This is an enumeration field with the following values: 0 = successful 1 = partial / warning 2 = failed / error This field can be inspected to determine the overall summary status of a job.
vendor_job_id	String	HPDP job ID
vendor_state	Number	Native HPDP job state codes. This is an enumeration field with the following values: 0 = Job has been closed / completed 1 = Job is running / in-process 2 = Job has Failed 3 = Other
vendor_state_name	String	Vendor state name
vendor_status	Number	Native HPDP status code
vendor_status_name	String	Vendor status name
vm_name	String	The name of the Virtual Machine
vm_path	String	VM Path is the complete virtual machine path
vm_uuid	String	The instance UUID of the virtual machine

apt_v_hpd_session *(HP Data Protector Views)*

Contains a single row for each HPDP session.

Column Name	Data Type	Description
backup_specification_id	Number	The ID of the backup policy used for this session.
backup_specification_name	String	The name of the backup policy used for this session.
backup_type	Number	HPDP backup type. Possible values: Full = 1 Incr = 2 Incr1 = 3 Incr2 = 4 Incr3 = 5 Incr4 = 6 Incr5 = 7 Incr6 = 8 Incr7 = 9 Incr8 = 10 Incr9 = 11 Diff = 12 Restore = 98 Unknown = 0

backup_type_name	String	HPDP backup type name. Possible values: UNKNOWN when backup_type=O, Full when backup_type=1, Incr when backup_type=2, Incr1 when backup_type=3, Incr2 when backup_type=4, Incr3 when backup_type=5, Incr4 when backup_type=6, Incr5 when backup_type=7, Incr6 when backup_type=8, Incr7 when backup_type=9, Incr8 when backup_type=10, Incr9 when backup_type=11, Diff when backup_type=12, Restore when backup_type=98
end_time	Date	The actual date and time this session ended.
event_type	String	The sub-type of session object. Possible values : O = Unknown B = Backup R = Restore
event_type_name	String	Event type name of the session. Possible Values: UNKNOWN when event_type=O, BACKUP when event_type=B, RESTORE when event_type=R
execution_duration	Number	The amount of time it took to execute this session.
gigabytes	Number	The amount of data written during this session, in GiB.
hpd_group_id	Number	The group ID to which this user name belongs. A foreign key reference to the HP Data Protector vendor-specific group database table.
hpd_user_id	Number	The user ID access this session. A foreign key reference to the HP Data Protector vendor-specific user database table.
nbr_of_errors	Number	The number of errors encountered during this session.
nbr_of_media	Number	The number of tapes used in this session.
nbr_of_warnings	Number	The number of warnings encountered during this session.
queuing_duration	Number	The amount of time this session spent waiting to start.
server_id	Number	server assigned to this session. A foreign key reference to the server database table.
session_id	Number	Internally generated ID that uniquely identifies the HP Data Protector session.
session_name	String	HPDP session name
start_time	Date	The actual date and time this session started.

status	String	The status of this session. Possible values: Unknown = O Completed = C Completed/Failures = P Failed = F Completed/Errors = E Aborted = A Queuing = Q Queuing/Errors = U Queuing/Failures = I In Progress = R In Progress/Errors = G In Progress/Failures = L Mount Request = M Mount/Errors = N Mount/Failures = Z
status_name	String	HPDP status name. Possible Values: UNKNOWN when status=O, Completed when status=C, Completed/Failures when status=P, Failed when status=F, Completed/Errors when status=E, Aborted when status=A, Queuing when status=Q, Queuing/Errors when status=U, Queuing/Failures when status=I, In Progress when status=R, In Progress/Errors when status=G, In Progress/Failures WHEN status=L, Mount Request when status=M, Mount/Errors when status=N, Mount/Failures when status=Z
success_pct	Number	The percentage of successful runs of this session.
user_client_id	Number	User client assigned to this session. A foreign key reference to the server database table.

apt_v_hpd_session_errclient *(HP Data Protector Views)*

Contains a single row for each HPDP errored client/session.

Column Name	Data Type	Description
backup_specification_id	Number	Backup specification ID
client_id	Number	Foreign key of the client ID for the client being backed up (see apt_v_server)
end_time	Date	Date/time that the job finished

product_type	Number	Enumeration field with the following possible values: 1 - Veritas NetBackup 2 - Veritas Backup Exec 3 - EMC NetWorker 4 - IBM Tivoli Storage Manager 5 - Comm Vault Galaxy 6 - HP Data Protector
server_id	Number	Foreign key of the server ID for the HPDP Cell Manager server (see apt_v_server)
session_id	Number	Internal ID for HPDP session
start_time	Date	Date/time that the job started
summary_status	Number	This is an enumeration field with the following values: 0 = successful 1 = partial / warning 2 = failed / error This field can be inspected to determine the overall summary status of a job.

apt_v_hpd_session_tape_media *(HP Data Protector Views)*

Contains a single row for each HPDP tape media used by a session.

Column Name	Data Type	Description
available_kb	Number	Available KiB
description	String	Description
initialized_date	Date	Date/Time the tape media was initialized
last_access_date	Date	Last access date
last_overwrite_date	Date	Last overwrite date
last_write_date	Date	Last write date
library_id	Number	Foreign key to the Tape Library that contains this piece of tape media (See apt_v_tape_library)
library_name	String	Library name
library_slot_nbr	String	Library slot number
location	String	Location
media_name	String	Media Name
nbr_of_errors	Number	Number of errors
nbr_of_overwrites	Number	Number of overwrites
nbr_of_writes	Number	Number of writes

protection	String	Protection
session_id	Number	Internal ID for HPDP session
session_name	String	HPDP session name
tape_media_id	Number	Internal ID for tape media (see apt_v_tape_media)
total_kb	Number	Total KiB
used_kb	Number	Used KiB
vendor_media_status	Number	Enumeration field with the following possible values: 0 - Unknown 1 - Good 2 - Poor 3 - Fair
vendor_media_status_name	String	HPDP specific media status name
vendor_media_type	Number	Enumeration field with the following possible values: 0 - Unknown 1 - File 2 - AIT 3 - DDS 4 - DLT 5 - DTF 6 - ExaByte 7 - LTO-Ultrium 8 - Optical 9 - QIC 10 - SAIT 11 - SD-3 12 - SuperDLT 13 - T3480/T4890/T9490 14 - T3480 15 - T4890 16 - T9490 17 - T3590 18 - T3592 19 - T9840 20 - T9940 21 - Tape
vendor_media_type_name	String	HPDP specific Media Type Name
volume_pool_id	Number	Foreign key to the volume pool that this piece of tape media belongs to
volume_pool_name	String	Volume pool name

apt_v_hpd_tape_library *(HP Data Protector Views)*

Contains a single row for each HPDP tape library.

Column Name	Data Type	Description
barcode_as_label	String	Barcode as label
barcode_reader	String	Barcode reader
busy_drive_to_slot	String	Busy drive to slot
controlling_server_id	Number	Key to the media server that is controlling the library (see apt_v_server)
controlling_server_name	String	Media server name
description	String	Description
device_name	String	Device name
is_online	String	Y=Yes, N=No
lib_virtual	String	Library virtual
library_id	Number	Foreign key to the Tape Library that contains this piece of tape media (See apt_v_tape_library)
library_name	String	Library name
media_capacity	Number	Media capacity
media_type	Number	Media type
mgmt_console_url	String	URL for management console
nbr_of_drives	Number	Number of drives
nbr_of_slots	Number	Number of slots in library
san_statble_address	String	SAN address
serial_number	String	Library serial number
server_id	Number	Foreign key of the server ID for the HPDP Cell Manager server (see apt_v_server)
server_instance_id	Number	Server the directive is associated with Foreign key to apt_v_server_instance
server_name	String	HPDP cell manager server name
vendor_library_nbr	Number	HPDP library number
vendor_library_type	Number	Enumeration field with the following possible values: 0 - Unknown 1 - Standalone 2 - Stacker 3 - SCSI-II 4 - Jukebox 5 - Filelibrary 6 - External control 7 - GRAU DAS Library 8 - storageTek ACS Library
vendor_library_type_name	String	HPDP specific Library Type Name

apt_v_hpd_tape_media *(HP Data Protector Views)*

Contains a single row for each HPDP tape media.

Column Name	Data Type	Description
available_kb	Number	Available KiB
description	String	Description
initialized_date	Date	Date/Time the tape media was initialized
last_access_date	Date	Last access date
last_overwrite_date	Date	Last overwrite date
last_write_date	Date	Last write date
library_id	Number	Foreign key to the tape library that contains this piece of tape media (See apt_v_tape_library)
library_name	String	Library name
library_slot_nbr	Number	Library slot number
location	String	Location
media_name	String	HPDP media name
media_status	String	This field contains the media status. The following is a list of the enumeration values: Y = Deleted E = Empty D = Filling F = Full P = Error X = Unavailable C = Cleaning V = Status in vendor media status column
media_status_name	String	Media status name
nbr_of_errors	Number	Number of errors
nbr_of_overwrites	Number	Number of overwrites
nbr_of_writes	Number	Number of writes
product_type	Number	Enumeration field with the following possible values: 1 - Veritas NetBackup 2 - Veritas Backup Exec 3 - EMC NetWorker 4 - IBM Tivoli Storage Manager 5 - Comm Vault Galaxy 6 - HP Data Protector

product_type_name	String	Product type name
protection	String	Protection
server_id	Number	Foreign key of the server ID for the HPDP Cell Manager server (see apt_v_server)
server_name	String	HPDP cell manager server name
tape_media_id	Number	Internal ID for HPDP tape media (see apt_v_tape_media)
total_kb	Number	Total kilobyes
used_kb	Number	Used KiB
vendor_media_status	Number	Enumeration field with the following possible values: 0 - Unknown 1 - Good 2 - Poor 3 - Fair
vendor_media_status_name	String	HPDP specific media status name
vendor_media_type	Number	Enumeration field with the following possible values: 0 - Unknown 1 - File 2 - AIT 3 - DDS 4 - DLT 5 - DTF 6 - ExaByte 7 - LTO-Ultrium 8 - Optical 9 - QIC 10 - SAIT 11 - SD-3 12 - SuperDLT 13 - T3480/T4890/T9490 14 - T3480 15 - T4890 16 - T9490 17 - T3590 18 - T3592 19 - T9840 20 - T9940 21 - Tape
vendor_media_type_name	String	HPDP specific media type name
volume_pool_id	Number	Foreign key to the volume pool that this piece of tape media belongs to
volume_pool_name	String	Volume pool name

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apt_v_tsm_client_association *(IBM TSM Views)*

Contains association for matching nodes with client schedules

Column Name	Data Type	Description
client_id	Number	Foreign key to apt_v_server
client_name	String	TSM Client name
instance_name	String	Server instance name
modification_date	Date	Modified date
node_id	Number	Foreign key to apt_tsm_client_node
node_name	String	Node name
schedule_id	Number	Foreign key to apt_tsm_client_schedule
schedule_name	String	TSM schedule name
server_instance_id	Number	Foreign key to apt_v_server_instance

apt_v_tsm_client_node_domain *(IBM TSM Views)*

Contains a single row for each TSM client node domain.

Column Name	Data Type	Description
client_id	Number	Foreign key of the client ID for TSM client
display_name	String	Display name of the client being backed up
domain_id	Number	foreign key to domain details
domain_name	String	Domain name
host_name	String	Internal name of the client being backed up
instance_name	String	Name of the server instance
is_active	String	Node is active or not
node_id	Number	Node Id
node_name	String	Name of the TSM node
server_instance_id	Number	Server with which the saveset group is associated. Foreign key to apt_v_server_instance

apt_v_tsm_client_option *(IBM TSM Views)*

The apt_v_tsm_client_option view contains a single row for each TSM client option.

Column Name	Data Type	Description
allow_client_override	String	Y=Yes, N=No
option_set_id	Number	Foreign key of option set ID for TSM option set
option_set_name	String	Option set name
option_type	Number	Option type
option_value	String	Option value

apt_v_tsm_client_schedule *(IBM TSM Views)*

The apt_v_tsm_client_schedule view contains a single row for each TSM client schedule.

Column Name	Data Type	Description
day_of_week	Number	Day of week
description	String	Description
domain_id	Number	Domain Id

domain_name	String	Domain name
duration_minutes	Number	Duration in minutes
expiration_date	Date	Expiration date
frequency	Number	Frequency
frequency_unit	Number	Frequency unit
is_active	String	Y=Yes, N=No
last_updated	Date	last updated date
objects	String	Objects
options	String	Options
priority	Number	Priority
schedule_action	Number	Schedule action
schedule_id	Number	Unique ID of the TSM client schedule
schedule_name	String	Name of the schedule
start_date	Date	Start date

apt_v_tsm_copy_group *(IBM TSM Views)*

The apt_v_tsm_copy_group view contains a single row for each TSM copy group.

Column Name	Data Type	Description
copy_frequency	Number	Copy frequency
copy_group_id	Number	Unique ID of the TSM copy group
copy_group_name	String	Copy group name
copy_group_type	String	Copy group type
copy_mode	String	Copy mode
copy_serialization	Number	Copy serialization
management_class_id	Number	Foreign key of the management class ID for TSM management class
management_class_name	String	Name of the management class
retain_extra_versions	Number	Retain extra versions
retain_only_versions	Number	Retain only versions
storage_pool_id	Number	storage pool Id

storage_pool_name	String	storage pool name
versions_data_deleted	Number	Versions data deleted
versions_data_exists	Number	Versions data exists

apt_v_tsm_database *(IBM TSM Views)*

The apt_v_tsm_database view contains a single row for each TSM database.

Column Name	Data Type	Description
avail_space_mbytes	Number	Avaliable space in MiB
buffer_pool_pages	Number	Buffer Pool Pages
cache_hit_pct	Number	Cache hit PCT
cache_wait_pct	Number	Cache wait PCT
capacity_mbytes	Number	Capacity in MiB
change_since_backup_mbytes	Number	Change since backup
incrementals_since_full	Number	Incrementals since full
is_backup_running	String	Is backup running?
last_backup_date	Date	Last Backup Date
max_extension_mbytes	Number	Maximum Extension MiB
max_reduction_mbytes	Number	Maximum Reduction MiB
page_size_bytes	Number	Page size in bytes
pct_changed	Number	PCT Changed
physical_volumes	Number	Physical Volumes
server_id	Number	Foreign key of the server ID for the TSM Master server (see apt_v_server)
server_instance_id	Number	Foreign key of the server instance ID for the TSM server (see apt_v_server_instance)
total_buffer_requests	Number	Total Buffer requests
used_pages	Number	Number of used Pages

apt_v_tsm_database_log *(IBM TSM Views)*

The apt_v_tsm_database_log view contains a single row for each TSM database audit log.

Column Name	Data Type	Description
avail_space_mbytes	Number	Available Capacity in MiB
cache_hit_pct	Number	Cache Hit PCT
cache_wait_pct	Number	Cache Wait PCT
capacity_mbytes	Number	Capacity in MiB
log_date	Date	Audit log date/time
max_extension_mbytes	Number	Maximum Extension MiB
max_reduction_mbytes	Number	Maximum Reduction MiB
page_size_bytes	Number	Page size in bytes
server_id	Number	Foreign key of the server ID for the TSM Master server (see apt_v_server)
server_instance_id	Number	Foreign key of the server instance ID for the TSM server (see apt_v_server_instance)
used_pages	Number	Number of used Pages

apt_v_tsm_device_class *(IBM TSM Views)*

Contains a single row for each tape device class.

Column Name	Data Type	Description
access_type	Char	How data is written to the device class
device_class_id	Number	Internally generated sequential ID that uniquely identifies the device class
device_class_name	String	The name of the device class
device_type	Number	The device type of the device class
directory	String	The directory or directories for a shared FILE device class
drive_encryption	String	Indicates if drive encryption is permitted. This field applies only to volumes in a storage pool associated with a device type of 3592, LTO, or ECARTRIDGE
est_max_mbytes	Number	The estimated or maximum capacity of a volume associated with the device class
is_shared	Char	Whether this FILE device class will be shared between the server and one or more storage agents
library_id	Number	Foreign key reference to tape library
max_idle_dismount_mins	Number	The number of minutes to retain an idle sequential access volume before dismounting it
max_mount_count	Number	The maximum number of sequential access volumes that can be mounted concurrently or specifies that DRIVES is the mount limit
max_mount_wait_mins	Number	The maximum number of minutes to wait for a sequential access volume to be mounted

recording_format	String	The recording format
retry_interval_secs	Number	How often the retries are done within a given retry period
retry_period_mins	Number	The interval, in minutes, over which the server should attempt to contact a target server if communications failure is suspected
server_id	Number	Foreign key reference to host table
server_instance_id	Number	A pointer to the server instance to which the backup job belongs
tape_volume_prefix	String	The high-level qualifier of the data set name that the server writes into the sequential access media labels

apt_v_tsm_disk_media *(IBM TSM Views)*

The apt_v_tsm_disk_media view contains a single row for each TSM disk media.

Column Name	Data Type	Description
access_type	String	Enumeration Field with the following possible values: R=Read Only, W=Read/Write, N=Unavailable, O=Offsite, D=Destroyed, U=Unknown
device_class_id	Number	Device Class ID
disk_media_id	Number	Unique ID of the TSM disk media
est_mbyte_capacity	Number	Estimated MiB Capacity
last_read_date	Date	Last Read Date
last_update_date	Date	Last Updated Date
last_write_date	Date	Last Written Date
media_name	String	Media Name
media_status	String	Enumeration Field with the following possbile values: O=Online, F=Offline, E=Empty, P=Pending, I=Filling, L=Full, U=Unknown
pct_reclaim	Number	Percentage reclaimed
pct_utilized	Number	Percentage of utilized
read_errors	Number	Read Errors

server_id	Number	Foreign key of the server ID for host details
server_instance_id	Number	Server the directive is associated with
storage_pool_id	Number	Storage Pool ID
write_errors	Number	Write Errors

apt_v_tsm_drive_media_log *(IBM TSM Views)*

The apt_v_tsm_drive_media_log view contains a single row for each TSM job/tape/drive contents.

Column Name	Data Type	Description
drive_id	Number	Internal id for the drive
drive_name	String	Drive name
job_id	Number	internal id for the job
media_date	Date	Date/Time the event occured
media_name	String	Tape media name
tape_media_id	Number	internal id for the tape media

apt_v_tsm_drive_srvrinst *(IBM TSM Views)*

Contains the association between the tape drives and server instances.

Column Name	Data Type	Description
drive_id	Number	Foreign key to apt_tape_drive
drive_path	String	The path of the drive
instance_name	String	Server instance name
is_active	String	Y - active, N - in-active
library_id	Number	Foreign key to apt_v_tsm_tape_library
path_status	String	Path status
server_instance_id	Number	Foreign key to apt_v_server_instance

apt_v_tsm_filespace *(IBM TSM Views)*

Contains a single row for each TSM filespace.

Column Name	Data Type	Description
backup_finish_date	Date	Backup finish date
backup_start_date	Date	Backup start date
capacity_kbytes	Number	Total capacity in KiB
deleted_date	Date	Deleted date
filespace_id	Number	Filespace Id
filespace_name	String	Filespace name
filespace_type	String	Filespace type
node_id	Number	Node Id
node_name	String	Name of the TSM node
pct_utilized	Number	Percentage of utilized
tsm_filespace_id	Number	TSM filespace Id

apt_v_tsm_fs_mgmt_class_usage *(IBM TSM Views)*

Contains a single row for each filespace management class usage.

Column Name	Data Type	Description
date_first_used	Date	First used date
date_last_used	Date	Last used date
filespace_id	Number	Filespace Id
filespace_name	String	Filespace name
fs_mgmt_class_usage_id	Number	Primary key for this view
instance_name	String	Name of the server instance
last_updated	Date	Last updated
management_class_name	String	Management class name

server_instance_id	Number	Server Instance Id

apt_v_tsm_job *(IBM TSM Views)*

Contains a single row for each TSM job.

Column Name	Data Type	Description
backup_type	Number	Backup type
client_id	Number	Foreign key of the client ID for TSM client
client_name	String	Name of the client
data_transfer_secs	Number	Data transfer in seconds
domain_id	Number	foreign key to domain details
domain_name	String	Domain name
duration	String	Duration in Hour, Minute, Second
duration_secs	Number	Duration in seconds
finish_date	Date	Date/time that the job completed
idle_secs	Number	Idle in seconds
instance_name	String	Instance name
is_active	String	Y=Yes, N=No
job_bitflags	Raw	This is a bit field that can be ORed to represent the following bitwise variables: Bit 0 = Manually started job Bit 1 = Compressed backup job Bit 2 = DB compressed backup job Bit 3 = Encrypted backup job
job_id	Number	Unique job ID. Primary key in this view. This is the internal job ID and NOT the same as the TSM Job ID
job_type_name	String	Job type name
kilobytes	Number	For backup jobs, this is the number of KiB in the backup. For restore jobs, this is the number of KiB restored
mbytes_sec	Number	Mega Bytes Per Second
media_type	String	D=Disk based backup, T=Tape based backup
media_wait_secs	Number	Media wait in seconds
nbr_examined_objects	Number	Number of examined objects
nbr_failed_objects	Number	Number of failed objects
nbr_of_files	Number	Number of files affected by the TSM job

node_id	Number	Node Id
node_name	String	Node name
product_type_name	String	Name of the backup product
result_code	Number	Result code
sched_start_date	Date	For a backup job, this is the date/time that the job was scheduled to start
schedule_id	Number	Foreign key to the TSM Schedule details
schedule_name	String	Name of the schedule
server_id	Number	Foreign key of the server ID for TSM Master server
server_instance_id	Number	Server the directive is associated with Foreign key to apt_v_server_instance
server_name	String	Name of the master server
start_date	Date	Date/time that the job started
storage_pool_id	Number	storage pool Id
summary_status	Number	This is an enumeration field with the following values: 0 = successful 1 = partial / warning 2 = failed / error This field can be inspected to determine the overall summary status of a job. If the job wss a backup and the summary status was 1 (partial), this is a result of TSM skipping some of the files in a backup
vendor_state	Number	Is the job currently running? Y=Yes, N=No
vendor_status	Number	Native TSM status code

apt_v_tsm_job_instance *(IBM TSM Views)*

Contains a single row for each TSM job.

Column Name	Data Type	Description
instance_name	String	Instance name
job_id	Number	Unique job ID. Primary key in this view. This is the internal job ID and NOT the same as the TSM Job ID
server_instance_id	Number	Server the directive is associated with Foreign key to apt_v_server_instance

apt_v_tsm_job_message *(IBM TSM Views)*

Contains a single row for each TSM job message.

Column Name	Data Type	Description
explanation	String	Explanation
job_id	Number	Unique job ID. Primary key in this view. This is the internal job ID and NOT the same as the TSM Job ID
message	String	The text indicating the status of the job
msg_code	String	The numeric code of the message from the TSM log file
msg_date	Date	Date/time of the message
msg_type	String	Message type
seq	Number	Sequence number of the message

apt_v_tsm_management_class *(IBM TSM Views)*

The apt_v_tsm_management_class view contains a single row for each TSM management class.

Column Name	Data Type	Description
auto_migrate_days	Number	Auto migrate days
default_class	String	Default class
description	String	Description
domain_id	Number	Domain Id
domain_name	String	Domain name
last_updated	Date	last updated date
management_class_id	Number	Unique ID of the TSM management class
management_class_name	String	Name of the management class
migration_requires_backup	String	Y=Yes, N=No
migration_storage_pool_id	Number	migration storage pool ID
policy_set_id	Number	Foreign key of the policy set ID for TSM policy set
policy_set_name	String	Policy set name
space_management_technique	Number	Space management technique
storage_pool_name	String	storage pool name

apt_v_tsm_node *(IBM TSM Views)*

Contains a single row for each TSM node.

Column Name	Data Type	Description
auto_rename_filespace	String	Y=Yes, N=No
bitmask_flags	Raw	bitmask flags
client_id	Number	Client Id
client_software_version	String	OS version on client
client_type	String	Client type
collocation_group_name	String	collocation group name
compress_data	String	Y=Yes, N=No
contact	String	Contact information for the client node.
deduplication	String	Location where data is deduplicated.
display_name	String	Display name of the client being backed up
domain_id	Number	foreign key to domain details
domain_name	String	Domain name
guid	String	Globally unique identifier (GUID) that identifies the host on which the node is located.
host_name	String	Internal name of the client being backed up
instance_name	String	Name of the TSM server instance
is_active	String	Node is active or not
is_locked	String	Indicates if the client node is locked out of IBM Tivoli Storage Manager (TSM): Yes or No.
last_access_date	Date	Last Access Date
last_updated	Date	Record last updated date
max_mount_points	Number	Maximum mount points
node_id	Number	Node Id
node_name	String	Name of the TSM node
node_registration_date	Date	Node Registration Date
option_set_id	Number	Option set Id
option_set_name	String	Option set name

platform_name	String	Platform Name
registering_admin	String	The name of the administrator who registered the client node.
repl_archive_rule	String	Sets a replication rule that determines replication of archive data in the file space.
repl_backup_rule	String	Sets a replication rule that determines replication of backup data in the file space.
repl_space_mgmt_rule	String	Sets a replication rule that determines replication of space-managed data in the file space.
replication_mode	String	Indicates if the node is the source or the target for replicated data.
replication_state	String	Indicates if the node is enabled for replication.
server_instance_id	Number	Server the directive is associated with Foreign key to apt_v_server_instance

apt_v_tsm_occupancy_log *(IBM TSM Views)*

Contains a single row for each TSM occupancy log.

Column Name	Data Type	Description
client_id	Number	Foreign key of the client ID for TSM client
filespace_id	Number	Filespace Id
filespace_name	String	Filespace name
host_name	String	Name of the client
instance_name	String	Server instance name
nbr_of_volumes	Number	Number of volumes
node_id	Number	Node Id
node_name	String	node name
poll_date	Date	Poll date
server_instance_id	Number	Foreign key to apt_server_instance
stg_pool_phy_mbytes	Number	The physical size of the storage pool
storage_pool_id	Number	storage pool Id
storage_pool_name	String	storage pool name
volume_type	String	Volume type

apt_v_tsm_policy_domain *(IBM TSM Views)*

Contains a single row for each TSM policy domain.

Column Name	Data Type	Description
activated_date	Date	Activated date
activated_policy_set_id	Number	Activated policy set Id
archive_retention_days	Number	Archive retention days
backup_retention_days	Number	Backup retention days
default_management_class_id	Number	Default_management class Id
description	String	Description
domain_id	Number	Policy domain Id
domain_name	String	Domain name
exists_in_catalog	String	Y=Yes, N=No
management_class_name	String	Management class name
server_id	Number	Foreign key of the server ID for TSM Master server
server_instance_id	Number	Server the directive is associated with Foreign key to apt_v_server_instance
server_instance_name	String	Server instance name
server_name	String	Name of the master server

apt_v_tsm_policy_set *(IBM TSM Views)*

The apt_v_tsm_policy_set view contains a single row for each TSM policy set.

Column Name	Data Type	Description
default_management_class_id	Number	Default_management class Id
description	String	Description
domain_id	Number	Domain Id
domain_name	String	Domain name
last_updated	Date	last updated date

management_class_name	String	Management class name
policy_set_id	Number	Unique key of policy set
policy_set_name	String	Policy set name

apt_v_tsm_poll_date_audit *(IBM TSM Views)*

Contains a single row for each TSM poll date audit.

Column Name	Data Type	Description
log_date	Date	Log date
server_instance_id	Number	Server the directive is associated with Foreign key to apt_v_server_instance
server_instance_name	String	Name of the TSM server instance
trans_type	Number	402 - TSM_SUMMARY_POLL_TRANS 403 - TSM_FILESPACE_POLL_TRANS 405 - TSM_ACTLOG_POLL_TRANS 406 - TSM_DB_POLL_TRANS 407 - TSM_DOMAIN_POLL_TRANS 408 - TSM_STGPOOL_POLL_TRANS 409 - TSM_TAPE_MEDIA_POLL_TRANS 410 - TSM_DISK_MEDIA_POLL_TRANS 411 - TSM_DRIVE_STATUS_POLL_TRANS 412 - TSM_CONSOLE_START_TRANS 413 - TSM_CONSOLE_FINISH_TRANS 414 - TSM_SAVE_NODE_TRANS 415 - TSM_START_SAVE_NODE_TRANS 416 - TSM_FINISH_SAVE_NODE_TRANS 417 - TSM_START_OCCUPANCY_TRANS 418 - TSM_FINISH_OCCUPANCY_TRANS 419 - TSM_START_DOMAIN_POLL_TRANS 420 - TSM_FINISH_DOMAIN_POLL_TRANS 421 - TSM_START_STGPOOL_POLL_TRANS 422 - TSM_FINISH_STGPOOL_POLL_TRANS
trans_type_name	String	Transaction type name

apt_v_tsm_poll_date_log *(IBM TSM Views)*

Contains a single row for each TSM poll date log.

Column Name	Data Type	Description
last_processed_date	Date	Last processed date

server_id	Number	Foreign key of the server ID for TSM Master server
server_instance_id	Number	Server the directive is associated with Foreign key to apt_v_server_instance
server_instance_name	String	Name of the TSM server instance
server_name	String	Name of the master server
trans_type	String	402 - TSM_SUMMARY_POLL_TRANS 403 - TSM_FILESPACE_POLL_TRANS 405 - TSM_ACTLOG_POLL_TRANS 406 - TSM_DB_POLL_TRANS 407 - TSM_DOMAIN_POLL_TRANS 408 - TSM_STGPOOL_POLL_TRANS 409 - TSM_TAPE_MEDIA_POLL_TRANS 410 - TSM_DISK_MEDIA_POLL_TRANS 411 - TSM_DRIVE_STATUS_POLL_TRANS 412 - TSM_CONSOLE_START_TRANS 413 - TSM_CONSOLE_FINISH_TRANS 414 - TSM_SAVE_NODE_TRANS 415 - TSM_START_SAVE_NODE_TRANS 416 - TSM_FINISH_SAVE_NODE_TRANS 417 - TSM_START_OCCUPANCY_TRANS 418 - TSM_FINISH_OCCUPANCY_TRANS 419 - TSM_START_DOMAIN_POLL_TRANS 420 - TSM_FINISH_DOMAIN_POLL_TRANS 421 - TSM_START_STGPOOL_POLL_TRANS 422 - TSM_FINISH_STGPOOL_POLL_TRANS
trans_type_name	String	Transaction type name

apt_v_tsm_process *(IBM TSM Views)*

Contains a single row for each TSM process.

Column Name	Data Type	Description
destination_stg_pool	String	Destination stgpool
duration	String	Duration
duration_secs	Number	Duration in seconds
finish_date	Date	Date/time that the job completed
idle_secs	Number	Idle in seconds
instance_name	String	Name of the TSM server instance
is_active	String	Y=Yes, N=No

job_bitflags	Raw	This is a bit field that can be ORed to represent the following bitwise variables: Bit 0 = Manually started job Bit 1 = Compressed backup job Bit 2 = DB compressed backup job Bit 3 = Encrypted backup job
job_id	Number	Unique job ID. Primary key in this view. This is the internal job ID and NOT the same as the TSM Job ID
job_type_name	String	Job type name
kilobytes	Number	For backup jobs, this is the number of KiB in the backup. For restore jobs, this is the number of KiB restored
mbytes_sec	Number	Mega Bytes Per Second
media_type	String	D=Disk based backup, T=Tape based backup
media_wait_secs	Number	Media wait in seconds
nbr_examined_objects	Number	Number of examined objects
nbr_failed_objects	Number	Number of failed objects
nbr_of_files	Number	Number of files affected by the NetBackup job
nbr_of_processes	Number	Number of processes
process_id	Number	TSM server unique process id
process_type_name	String	Process type name
server_id	Number	Foreign key of the server ID for TSM Master server
server_instance_id	Number	Server the directive is associated with Foreign key to apt_v_server_instance
server_name	String	Name of the master server
source_stg_pool	String	Source stgpool
start_date	Date	Date/time that the job started
summary_status	Number	This is an enumeration field with the following values: 0 =successful 1 = partial / warning 2 = failed / error This field can be inspected to determine the overall summary status of a job. If the job was a backup and the summary status was 1 (partial), this is a result of TSM skipping some of the files in a backup
vendor_state	Number	Is the job currently running? Y=Yes, N=No
vendor_status	Number	Native TSM status code

apt_v_tsm_recovery_log *(IBM TSM Views)*

The apt_v_tsm_recovery_log view contains a single row for each TSM database recovery log.

Column Name	Data Type	Description
avail_space_mbytes	Number	Avaliable space in MiB
capacity_mbytes	Number	Capacity in MiB
page_size_bytes	Number	Page size in bytes
server_instance_id	Number	Foreign key of the server instance ID for the TSM server (see apt_v_server_instance)
used_pages	Number	Number of used Pages

apt_v_tsm_recovery_log_aud *(IBM TSM Views)*

The apt_v_tsm_recovery_log_aud view contains a single row for each TSM database recovery log audit trail.

Column Name	Data Type	Description
avail_space_mbytes	Number	Available Capacity in MiB
capacity_mbytes	Number	Capacity in MiB
log_date	Date	Audit log date/time
page_size_bytes	Number	Page size in bytes
server_instance_id	Number	Foreign key of the server instance ID for the TSM server (see apt_v_server_instance)
used_pages	Number	Number of used Pages

apt_v_tsm_restore_job *(IBM TSM Views)*

Contains a single row for each TSM restore job.

Column Name	Data Type	Description
client_id	Number	Foreign key of the client ID for TSM client
client_name	String	Name of the client
data_transfer_secs	Number	Data transfer rate in seconds
duration	String	Duration in Hour, Minute, Second
duration_secs	Number	Duration in seconds
finish_date	Date	Date/time that the job completed
instance_name	String	Instance name

is_active	String	Y=Yes, N=No
job_bitflags	Raw	This is a bit field that can be ORed to represent the following bitwise variables: Bit 0 = Manually started job Bit 1 = Compressed backup job Bit 2 = DB compressed backup job Bit 3 = Encrypted backup job
job_id	Number	Unique job ID. Primary key in this view. This is the internal job ID and NOT the same as the TSM Job ID
job_type_name	String	Job type name
kilobytes	Number	For backup jobs, this is the number of KiB in the backup. For restore jobs, this is the number of KiB restored
media_type	String	D=Disk based backup, T=Tape based backup
nbr_of_files	Number	Number of files affected by the TSM job
nbr_of_files_skipped	Number	Number of files skipped while restoring
node_id	Number	Node Id
node_name	String	Node name
parent_session_id	Number	Parent session id
product_type_name	String	Name of the backup product
server_id	Number	Foreign key of the server ID for TSM Master server
server_instance_id	Number	Server the directive is associated with Foreign key to apt_v_server_instance
server_name	String	Name of the master server
session_id	Number	Session Id
start_date	Date	Date/time that the job started
summary_status	Number	This is an enumeration field with the following values: 0 = successful 1 = partial / warning 2 = failed / error This field can be inspected to determine the overall summary status of a job. If the job wss a backup and the summary status was 1 (partial), this is a result of TSM skipping some of the files in a backup
vendor_state	Number	Is the job currently running? Y=Yes, N=No
vendor_status	Number	Native TSM status code

apt_v_tsm_scratch_tape_log *(IBM TSM Views)*

The apt_v_tsm_scratch_tape_log view contains a single row for each TSM scratch tape audit log.

Column Name	Data Type	Description

instance_name	String	Instance name
log_time	Date	Audit log date/time
logical_group_id	Number	Storage Pool ID
nbr_of_tapes	Number	Number of tapes
owner_instance_id	Number	Owner instance id
owner_instance_name	String	Owner instance name
primary_library_manager_id	Number	Key to the primary library manager
primary_library_manager_name	String	Primary library manager name
server_instance_id	Number	Foreign key of the server instance ID for the TSM server (see apt_v_server_instance)
vendor_media_type	Number	Codes for the media type (specific to backup product)

apt_v_tsm_session *(IBM TSM Views)*

Contains a single row for each TSM session.

Column Name	Data Type	Description
instance_name	String	Server instance name
is_active	String	Y=Yes, N=No
job_id	Number	Job Id
kilobytes_recd	Number	Number of KiB received during the session
kilobytes_send	Number	Number of KiB sent during the session
node_id	Number	Node Id
node_session_id	Number	Node session Id
server_instance_id	Number	Foreign key to apt_v_server_instance
session_id	Number	Session Id
session_state	Number	Session state
session_state_name	String	Possible values: 'UnKnown', 'Starting', 'Ending', 'Running', 'Idle Wait', 'Media Wait', 'Rec Wait', 'Send Wait'

start_date	Date	Start date
wait_time_secs	Number	Wait time in seconds

apt_v_tsm_stgpool_contents *(IBM TSM Views)*

Contains a single row for each TSM stgpool contents.

Column Name	Data Type	Description
client_id	Number	Foreign key of the client ID for the client being backed up
copy_type	String	Copy type
filespace_id	Number	Filespace Id
stg_pool_files	Number	storage pool files
stg_pool_log_kbytes	Number	Storage pool log size.
stg_pool_phy_kbytes	Number	Storage pool physical size.
stgpool_item_id	Number	storage pool item id
storage_pool_id	Number	Storage pool id

apt_v_tsm_storage_pool *(IBM TSM Views)*

The apt_v_tsm_storage_pool view contains a single row for each storage pool.

Column Name	Data Type	Description
cache_migrated_files	String	Cache Migrated Files
class_type	String	Device Class Type
collocate	String	Co-Locate
continue_copy_on_error	String	Continue Copy on Error
continue_migration	String	Continue Migration
crc_data_checking	String	CRC Data Checking
data_format	String	Data Format
days_before_volume_reuse	Number	Days before Volume Reuse
description	String	Description

device_class_id	Number	Device Class ID
device_class_name	String	Device Class Name
drive_encryption	String	Drive Encryption
est_mbyte_capacity	Number	Estimated MiB Capacity
exists_in_catalog	Char	Y=Yes, N=No
high_migration_percentage	Number	High Migration Percentage
host_name	String	Host name for the server_id
instance_name	String	Name of the TSM instance
is_migration_running	String	Is Migration Running
low_migration_percentage	Number	Low Migration Percentage
max_scratch_volumes	Number	Maximum number of Scratch Volumes
max_size_mbytes	Number	Maximum MiB Size
media_access_type	String	Media Access Type
migrated_pct	Number	Percentage Migrated
migration_delay_days	Number	Migration Delay Days
migration_processes	Number	Migration Processes
next_storage_pool_id	Number	Next Storage Pool ID
next_storage_pool_name	String	Next Storage Pool Name
overflow_location	String	Overflow Location
reclaim_storage_pool_id	Number	Reclaim Storage Pool ID
reclaim_storage_pool_name	String	Reclaim Storage Pool Name
reclamation_threshold	Number	Reclamation Threshold
server_id	Number	Foreign key of the server ID for the Master server (see apt_v_server)
storage_pool_id	Number	Storage Pool ID
storage_pool_name	String	Name of the TSM storage pool
storage_pool_type	String	Type of the TSM storage pool
utilization_pct	Number	Percentage Utilization

apt_v_tsm_storage_pool_log *(IBM TSM Views)*

The apt_v_tsm_storage_pool_log view contains a single row for each storage pool.

Column Name	Data Type	Description
est_mbyte_capacity	Number	Estimated MiB Capacity
host_name	String	Host name for the server_id
instance_name	String	Name of the TSM instance
log_date	Date	Log date for TSM storage pool
max_size_mbytes	Number	Maximum MiB Capacity Size
server_id	Number	Foreign key of the server ID for the Master server (see apt_v_server)
storage_pool_id	Number	Storage Pool ID
storage_pool_name	String	Name of the TSM storage pool
utilization_pct	Number	Percentage Utilization

apt_v_tsm_tape_library *(IBM TSM Views)*

Contains a single row for each tape library.

Column Name	Data Type	Description
acs_id	Number	ACS ID
controlling_server	String	Media server name that is controlling the library
controlling_server_id	Number	Key to the media server that is controlling the library
description	String	Description for library
device_name	String	Device name that controls the tape library
external_library_manager	String	External library manager name
external_manager_id	Number	Key to the external library manager
is_lanfree	String	Is lan free
is_online	String	Is library online
is_shared	String	Is library shared

library_id	Number	Unique tape library ID
library_name	String	Custom name that can be assigned to the library
library_type	String	Library type name
media_capacity	Number	Number of volumes that exist/available in the library
nbr_of_drives	Number	Number of tape drives within the tape library
obey_mount_retention	String	Should library obey retention mount
primary_library_manager	String	Primary library manager name
primary_library_manager_id	Number	Key to the primary library manager
private_category	Number	Private category
scratch_category	Number	Scratch category
serial_nbr	String	Library Serial Number
server_id	Number	Key to the server with which this library is associated
server_instance_id	Number	Server the library is associated with Foreign key to apt_v_server_instance
server_instance_name	String	Name of the TSM server instance
server_name	String	Server name with which this library is associated
vendor_library_nbr	Number	Unique number assigned by TSM to each library

apt_v_tsm_tape_media *(IBM TSM Views)*

Contains a single row for separate piece of tape media.

Column Name	Data Type	Description
access_type	String	Access type
cleanings_left	Number	Number of cleanings left
est_mbyte_capacity	Number	Estimated capacity in MiB
instance_name	String	Instance Name
is_error_state	String	Indicates if tape is in error state or not
is_scratch	String	Indicates if the tape is scratch or not
last_read_date	Date	Date the tape was last read
last_update_date	Date	Date and time last updated
last_updated	Date	Date and time last updated

last_write_date	Date	Last written date
library_id	Number	Foreign key to apt_v_tape_library
library_name	String	Library name
library_slot_nbr	Number	Library slot number
location	String	Location of the tape
media_name	String	Media name
media_state	String	State of the media
media_status_name	String	Media status name
media_type_name	String	Media type name
mount_count	Number	Mount count
owner_instance_id	Number	Owner instance id
pct_reclaim	Number	Reclaimed percentage
pct_utilized	Number	Utilized percentage
read_errors	Number	Number of read errors
server_host_name	String	Server host name
server_id	Number	Foreign key to apt_v_server
server_instance_id	Number	Foreign key to apt_v_server_instance
storage_pool_id	Number	Foreign key to apt_v_tsm_storage_pool
storage_pool_name	String	Storage pool name
tape_media_id	Number	Primary key for this view
volume_type	String	Volume type
write_errors	Number	Number of write errors
write_pass	Number	Write pass

apt_v_tsm_volume_contents *(IBM TSM Views)*

Contains a single row for each TSM volume contents.

Column Name	Data Type	Description
client_id	Number	Foreign key of the client ID for the client being backed up
copy_type	String	Copy type

filespace_id	Number	Filespace id
storage_pool_id	Number	storage pool id
volume_id	Number	Volume id
volume_item_id	Number	Volume item id
volume_type	String	Volume type

Veritas Backup Exec Views (Go to Top)

apt_v_bue_job

apt_v_bue_job *(Veritas Backup Exec Views)*

Contains a single row for each backup exec job

Column Name	Data Type	Description
client_hostname	String	name of the BUE backup client
client_id	Number	foreign key to BUE backup client
finish_date	Date	date/time the job finished
is_active	String	Y-Yes, N-No
job_bitflags	Raw	Job bit flags
job_id	Number	Unique job ID. Primary key in this view. This is the internal job ID.
job_name_name	String	The unique name given to this job.
job_type	Number	Enumeration field with the following possible values: 201-Resource Discovery 201-Backup 202-Duplicate 203-Category 204-Report 205-Restore 206-Test Run 207-Inventory or Erase 208-Verify 209-Other Job

job_type_name	String	Enumeration field with the following possible values: Resource Discovery Backup Duplicate Category Report Restore Test Run Inventory or Erase Verify Other Job
kilobytes	Number	For backup jobs, this is the number of KiB in the backup. For restore jobs, this is the number of KiB restore
media_set_id	Number	foreign key to media set details
media_set_name	String	media set name
media_type	String	This is an enumeration field with the following values D-Disk T-Tape A-Any
nbr_of_files	Number	number of of files affected by this BUE job
policy_id	Number	foreign key to policy details
policy_name	String	Name of the backup policy
product_type_name	String	product type name
resource_id	Number	foreign key to resource details
resource_name	String	resource name
result_code	Number	Result code
schedule_id	Number	foreign key to schedule details
schedule_name	String	schedule name
server_hostname	String	name of BUE master server
server_id	Number	foreign key to BUE master server
start_date	Date	date/time the job started
summary_status	Number	This is an enumeration field with the following values: 0 = successful 1 = partial / warning 2 = failed / error
target_id	Number	foreign key to target details
target_name	String	target name
vendor_job_id	String	job id assigned by BUE to this job

vendor_state	Number	Enumeration field: possible values 0-Unknown 1-on hold 2-active 3-scheduled 4-completed 5-cancelled
vendor_state_name	String	Enumeration field: possible values Unknown on hold active scheduled completed cancelled
vendor_status	Number	vendor status
vendor_status_name	String	vendor status description
vendor_task_type	Number	Vendor task type

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apt_v_nbu_policy_file_log
apt_v_nbu_policy_log
apt_v_nbu_related_job
apt_v_nbu_restore_backup_job
apt_v_nbu_schedule
apt_v_nbu_schedule_copy
apt_v_nbu_schedule_log
apt_v_nbu_server_lic_feature
apt_v_nbu_server_license
apt_v_nbu_slp_job
apt_v_nbu_storage_server
apt_v_nbu_storage_unit
apt_v_nbu_storage_unit_group
apt_v_nbu_strgunit_mediasrvr
apt_v_nbu_su_group_member
apt_v_nbu_tape_drive
apt_v_nbu_tape_library
apt_v_nbu_tape_media
apt_v_nbu_tape_media_detail
apt_v_nbu_volume_group
apt_v_nbu_volume_pool

apt_v_last_nbu_backup *(Veritas NetBackup Views)*

Contains a single row for last NBU backup.

Column Name	Data Type	Description
client_id	Number	Foreign key of the client ID for the Veritas NetBackup client (see apt_v_server)
finish_date	Date	Date/time that the job completed
job_id	Number	Unique job ID.
job_type	Number	Enumeration field with the following possible values: 101 = Full backup 102 = Incremental backup 103 = Catalog backup 104 = Archive 105 = Restore 106 = Verification 107 = Duplicate 108 = Import 109 = Migration 110 = Label 111 = Media Erase 112 = Application backup 199 = Other
job_type_name	String	Job type names as above.
schedule_id	Number	Foreign key to the NetBackup Schedule details (See apt_v_nbu_schedule)
server_id	Number	Foreign key of the server ID for the Veritas NetBackup Master server (see apt_v_server)

apt_v_nbu_client_detail *(Veritas NetBackup Views)*

Contains a single row for each NetBackup Client.

Column Name	Data Type	Description
client_id	Number	Client Identifier
installation_path	String	Installation Path
last_updated	Date	Last Updated Date
patch_level	String	patch level
platform	String	Platform

version	String	Version

apt_v_nbu_dedup_job *(Veritas NetBackup Views)*

Contains a single row for each NetBackup Deduplication Job.

Column Name	Data Type	Description
cache_hits	Number	Cache Hits
cache_hits_pct	Number	Cache Hits Percent
cr_sent	Number	Contents Router Sent
dedup_ratio	Number	Dedup Ratio
hdr_tir_cache_hits	Number	Disk Image Header and True Image Restore Cache Hits
hdr_tir_cache_hits_pct	Number	Disk Image Header and True Image Restore Cache Hits Percent
hdr_tir_cr_sent_kb	Number	Contents Router Sent for Disk Image Header and True Image Restore
hdr_tir_dedup_ratio	Number	Disk Image Header and True Image Restore Dedup Ratio
hdr_tir_scanned_kb	Number	Disk Image Header and True Image Restore Scanned KiB
hdr_tir_stream_rate_mb_sec	Number	Disk Image Header and True Image Restore Streams Rate MB/Sec
is_server_dedup	Char	Server side duplicatoin flag
job_id	Number	Job Id
scanned_kb	Number	Scanned KiB
stream_rate_mb_sec	Number	Streams Rate MB/Sec

apt_v_nbu_device_media_server *(Veritas NetBackup Views)*

Contains a single row for physical tape drive.

Column Name	Data Type	Description
device_name	String	Full pathname to the device that is controlling this tape drive
drive_id	Number	Unique ID of the tape drive
drive_in_use	String	Flag to indicate if the drive is currently in use (or not). Y=Yes, N=No.
drive_index	Number	Tape drive index.

drive_name	String	Name of the tape drive as reported by NetBackup
drive_status_name	String	This field contains the overall status of the tape drive.
drive_type_name	String	This field contains the type of the tape drive.
inquiry_string	String	SCSI inquiry string performed by NetBackup for this tape drive.
library_id	Number	Foreign key to the apt_v_nbu_tape_library view. This is the library that contains the tape drive.
library_name	String	Name of the library that controls the drive.
master_server	String	Master server for this tape drive.
media_server	String	Media server that is the primary controller for this tape drive. Note: This field is not relevant for SSO environments
media_server_id	Number	Foreign key of the media server ID for the Veritas NetBackup media server (see apt_v_server)
robot_drive_index	Number	Index of this tape library within the library reference by the library_id field.
serial_number	String	Serial number as obtained from the SCSI inquiry against the tape drive
server_id	Number	Foreign key to the apt_v_server view for the management server for this tape drive
vendor_drive_status	String	This field contains the overall status of the tape drive. The following is an enumeration list of the possible values: P=Up and Online D=Down or Offline O=Up and online but in Operational Mode
vendor_drive_type	Number	This field contains the type of the tape drive. The following is a list of the possible enumeration values: 1=Qtr Inch 2=Half Inch 3=Half Inch-type 2 4=Half Inch-type 3 5=4MM 6=8MM 7=8MM type 2 8=8MM type 3 9=DLT 10=DLT type 2 11=DLT type 3 12=DTF 13=Optical Library 99=Other This field contains the overall status of the tape drive. The following is an enumeration list of the possible values: P=Up and Online D=Down or Offline O=Up and online but in Operational Mode

apt_v_nbu_disk_pool *(Veritas NetBackup Views)*

Contains a single row for each NetBackup Disk Pool.

Column Name	Data Type	Description

disk_pool_id	Number	Disk Pool Id
disk_pool_name	String	Disk Pool Name
disk_type	String	Disk Type
disk_volume_name	String	Disk Volume Name
external_link_id	Number	External Link Id
free_space_kb	Number	Free Space in KiB
last_updated	Date	Last Updated Date
management_server_id	Number	Management Server Id
storage_unit_id	Number	Storage Unit Id
storage_unit_label	String	Storage Unit Label
total_capacity_kb	Number	Total Capacity in KiB

apt_v_nbu_disk_pool_strg_serve *(Veritas NetBackup Views)*

Contains a single row for each NetBackup disk pool and Storage Server.

Column Name	Data Type	Description
disk_pool_id	Number	Disk Pool Id
last_updated	Date	Last Updated Date
storage_server_id	Number	Storage Server Id

apt_v_nbu_disk_volume *(Veritas NetBackup Views)*

Contains a single row for each NetBackup Disk Volume.

Column Name	Data Type	Description
cur_read_streams	Number	Current Read Streams
cur_write_streams	Number	Current Write Streams
disk_media_id	String	Disk Media Id
disk_pool_id	Number	Disk Pool Id
disk_type	String	Disk Type

disk_volume_id	Number	Disk Volume Id
disk_volume_name	String	Disk Volume Name
external_link_id	Number	External Link Id
flags	String	Flag List
free_space_kb	Number	Free Space in KiB
last_updated	Date	Last Updated Date
management_server_id	Number	Management Server Id
num_read_mounts	Number	Number of Read Mounts
num_repl_sources	Number	Number of Replication Sources
num_repl_targets	Number	Number of Replicaton Targets
num_write_mounts	Number	Number of Write Mounts
status	String	Status
storage_unit_id	Number	Storage Unit Id
total_capacity_kb	Number	Total Capacity in KiB
used_pct	Number	Used Percent

apt_v_nbu_disk_volume_log *(Veritas NetBackup Views)*

Contains a single row for each NetBackup Disk Volume log.

Column Name	Data Type	Description
cur_read_streams	Number	Number of disk volume read streams.
cur_write_streams	Number	Number of disk volume write streams.
disk_media_id	String	Disk Media Id
disk_pool_id	Number	Disk Pool Id
disk_type	String	The type of disk volume disk: PureDisk, AdvancedDisk.
disk_volume_id	Number	Disk Volume Id
disk_volume_name	String	Disk Volume Name
external_link_id	Number	External Link Id
flags	String	A comma-separated list of the flags switched on for the Disk Volume. Examples: ReadOnWrite, AdminUp, InternalUp.
free_space_kb	Number	Free Space in KiB

log_date	Date	Log Date
management_server_id	Number	Management Server Id
num_read_mounts	Number	Number of times the disk volume was mounted for reads.
num_repl_sources	Number	Number of replication sources for the disk volume.
num_repl_targets	Number	Number of replication targets for the disk volume.
num_write_mounts	Number	Number of times the disk volume was mounted for writes.
status	String	The state of the disk volume: UP or DOWN.
storage_unit_id	Number	Storage Unit Id
total_capacity_kb	Number	Total Capacity in KiB
used_pct	Number	Percentage of disk space that is in use, for the disk volume.

apt_v_nbu_duplication_job *(Veritas NetBackup Views)*

Contains a single row for each unique NetBackup duplication job.

Column Name	Data Type	Description
backup_id	String	Veritas NetBackup Backup ID. This is sometimes referred to as the image ID. This is the unique backup identified that has the format <client_name>_<timestamp>
client_host_name	String	Host name associated with the client ID
client_id	Number	Foreign key of the client ID for the NetBackup client
copy_index	Number	If the backup was set to make multiple copies (inline tape copies), this column will indicate the copy index
drive_id	Number	Foreign key to the Tape drive on which this job/tape media was mounted and written
duration	String	Duration in Hour, Minute, Second
duration_secs	Number	Duration in seconds
expiration_date	Date	For backup jobs, this is the date/time when the underlying Veritas NetBackup image will expire
finish_date	Date	Date/time that the job completed
finished_readwrite	Date	Date/time that the job try finished read/write
is_active	String	Y=Yes, N=No
job_bitflags	Raw	This is a bit field that can be OR ed to represent the following bitwise variables: Bit 0 = Manually started job Bit 1 = Compressed backup job Bit 2 = DB compressed backup job Bit 3 = Encrypted backup job
job_id	Number	Unique job ID. Primary key in this view. This is the Portal database internal job ID and NOT the same as the NetBackup Job ID.

job_type	Number	Enumeration field with the following possible values: 101 = Full backup 102 = Incremental backup 103 = Catalog backup 104 = Archive 105 = Restore 106 = Verification 107 = Duplicate 108 = Import 109 = Migration 110 = Label 111 = Media Erase 112 = Application backup 199 = Other
job_type_name	String	Job type name
kilobytes	Number	For backup jobs, this is the number of KiB in the backup. For restore jobs, this is the number of KiB restored
master_host_name	String	Name of the master server
mbytes_sec	Number	Mega Bytes Per Second
media_host_name	String	Media host name
media_server_id	Number	Foreign key of the media server ID for the Veritas NetBackup media server (see apt_v_server)
media_type	String	D=Disk based backup, T=Tape based backup
nbr_of_copies	Number	For NetBackup backup jobs, this field contains the number of copies that were made of the backup
nbr_of_files	Number	Number of files affected by the NetBackup job
nbu_job_id	Number	Veritas NetBackup Job ID
parent_nbu_job_id	Number	Veritas NetBackup Parent Job ID. This is normal NULL, but may exist for certain parent/child jobs such as multi-streaming jobs or database backup jobs
policy_id	Number	Foreign key to the NetBackup Policy details
policy_name	String	Descriptive name associated with the ID
policy_type_name	String	Native NetBackup policy type
product_type_name	String	Text description of the backup product type, such as NetBackup, IBM Tivoli Storage Manager, etc.
sched_start_date	Date	For a backup job, this is the date/time that the job was scheduled to start
schedule_id	Number	Foreign key to the NetBackup Schedule details
schedule_name	String	The name of the schedule
schedule_type_name	String	The name of the schedule type
server_id	Number	Foreign key of the server ID for the NetBackup Master server
start_date	Date	Date/time that the job started
started_readwrite	Date	Date/time that the job try started read/write
storage_unit_id	Number	Foreign key to the NetBackup storage unit details

storage_unit_label	String	Label for the storage unit
stream_index	Number	NetBackup stream index for multi-streaming jobs. This column is normally 0 for non-multi-streaming jobs
summary_status	Number	This is an enumeration field with the following values: 0 = successful 1 = partial / warning 2 = failed / error This field can be inspected to determine the overall summary status of a job. If the job was a backup and the summary status was 1 (partial), this is a result of NetBackup skipping some of the files in a backup
tape_kilobytes	Number	KiB written to the tape
tape_media_id	Number	ID of the tape media
target_client_id	Number	This field should only be used for restore jobs and contains the target client for a restore (i.e. Destination client). The client_id column above is the source and the server_id is the media server that performed the restore
try_count	Number	For backup jobs, this field contains the number of tries or attempts of the backup job
try_finish_date	Date	Date/time that the job try completed
try_start_date	Date	Date/time that the job try started
try_status	Number	The status of the attempt
vendor_state	Number	Native NetBackup job state codes. This is an enumeration field with the following values: 0 = Job is queued 1 = Job is running / in-process 2 = Job has been re-queued 3 = Job has been closed / completed 4 = Job has been closed / deleted 5 = No client software installed 6 = Job is pending
vendor_state_name	String	Descriptive name of the job state
vendor_status	Number	Native NetBackup status code
vendor_status_name	String	Descriptive name associated with the status

apt_v_nbu_image_log *(Veritas NetBackup Views)*

The apt_v_nbu_image_log view contains a single row for each NBU image log.

Column Name	Data Type	Description
backup_id	String	Veritas NetBackup Backup ID. This is sometimes referred to as the image ID. This is the unique backup identified that has the format <client_name>_<timestamp>
client_id	Number	Foreign key of the client ID for the NetBackup client
job_id	Number	Foreign key to the unique ID for the Job that this row related to.
msg_log	String	Message log

server_id	Number	Foreign key to the master server for which this log is associated (See apt_v_server)
trans_date	Date	Transaction date
trans_type	String	Transaction type
was_successful	String	Y=Yes, N=No

apt_v_nbu_incld_excld_path *(Veritas NetBackup Views)*

Contains a single row for each NetBackup include/exclude client.

Column Name	Data Type	Description
client_id	Number	A pointer to the host for which this job is run.
include_exclude	String	Flag to indicate path is included or excluded.
last_updated	DATE	Time of path addition in UTC.
path	String	Exclude/include list of files/directories for NetBackup client which are excluded/included in scheduled backups.
policy_id	Number	Identifies the policy from which this job was created.
schedule_id	Number	Identifies the schedule from which this job was run.
seq	Number	Path sequence.
server_id	Number	A pointer to the master server.
server_name	String	Name of the Server.

apt_v_nbu_job *(Veritas NetBackup Views)*

Contains a single row for each NetBackup job.

Column Name	Data Type	Description
backup_id	String	Veritas NetBackup Backup ID. This is sometimes referred to as the image ID. This is the unique backup identified that has the format <client_name>_<timestamp>
client_host_name	String	Client host name
client_id	Number	Foreign key of the client ID for the Veritas NetBackup client (see apt_v_server)
controlling_host_id	Number	The host running the active process for this job.
duration	String	Duration in Hour, Minute, Second
duration_secs	Number	Duration in seconds

expiration_date	Date	For backup jobs, this is the date/time when the underlying Veritas NetBackup image will expire
fiber_transport_usage	String	Fiber Transport Usage 0 = LAN(Local Area Network) and 1 = FT(Fiber Transport).
finish_date	Date	Date/time that the job completed
is_active	String	Y=Yes, N=No
job_bitflags	Raw	This is a bit field that can be ORed to represent the following bitwise variables
job_id	Number	Unique job ID. Primary key in this view. This is the internal job ID and NOT the same as the NetBackup Job ID.
job_queued_reason	String	Job Queued Reason
job_type	Number	Enumeration field with the following possible values: 101 = Full backup 102 = Incremental backup 103 = Catalog backup 104 = Archive 105 = Restore 106 = Verification 107 = Duplicate 108 = Import 109 = Migration 110 = Label 111 = Media Erase 112 = Application backup 199 = Other
job_type_name	String	Job type name
keyword	String	Keyword used for backup job
kilobytes	Number	For backup jobs, this is the number of KiB in the backup. For restore jobs, this is the number of KiB restored
lifecycle_policy_id	Number	Foreign key to apt_v_nbu_lifecycle_policy
lifecycle_policy_state	Number	Lifecycle Policy State
manual_job_policy_name	String	Manual Job Policy Name
manual_job_policy_type	Number	Manual Job Policy Type
master_host_name	String	Master host name
mbytes_sec	Number	Mega Bytes Per Second
media_server_id	Number	This ID identifies the media server that is associated with the NetBackup
media_type	String	D=Disk based backup, T=Tape based backup
nbr_of_copies	Number	For NetBackup backup jobs, this field contains the number of copies that were made of the backup
nbr_of_files	Number	Number of files affected by the NetBackup job
nbu_job_id	Number	Veritas NetBackup Job ID
off_host_type	String	Off Host Type.
optimization_pct	Number	The accelerator optimization percentage.

origin_master_server_id	Number	Foreign key from apt_v_server
origin_master_server_name	String	Origin Master Server Name
parent_nbu_job_id	Number	Veritas NetBackup Parent Job ID. This is normally NULL but may exist for certain parent/child jobs such as multi-streaming jobs or database backup jobs
policy_id	Number	Foreign key to the NetBackup Policy details (See apt_v_nbu_policy)
primary_copy_number	Number	Specifies which copy is primary copy
product_type	Number	Enumeration field with the following possible values: 1 - Veritas NetBackup 2 - Veritas Backup Exec 3 - EMC NetWorker 4 - IBM Tivoli Storage Manager 5 - Comm Vault Galaxy 6 - HP Data Protector
product_type_name	String	Product type name
restore_media_server_id	Number	The media server ID for restore jobs
sched_start_date	Date	For a backup job, this is the date/time that the job was scheduled to start
schedule_id	Number	Foreign key to the NetBackup Schedule details (See apt_v_nbu_schedule)
server_id	Number	Foreign key of the server ID for the Veritas NetBackup Master server (see apt_v_server)
start_date	Date	Date/time that the job started
storage_unit_id	Number	Foreign key to the NetBackup storage unit details (See apt_v_nbu_storage_unit)
stream_index	Number	Veritas NetBackup stream index for multi-streaming jobs. This column is normally 0 for non-multi-streaming jobs
summary_status	Number	This is an enumeration field with the following values: 0 =successful 1 = partial / warning 2 = failed / error This field can be inspected to determine the overall summary status of a job. If the job was a backup and the summary status was 1 (partial), this is a result of NetBackup skipping some of the files in a backup
target_client_id	Number	This field should only be used for restore jobs and contains the target client for a restore (ie. Destination client). The client_id column above is the source and the server_id is the media server that performed the restore
total_sent_kb	Number	The total number of accelerator Kilobytes sent for each NetBackup job.
try_count	Number	For backup jobs, this field contains the number of tries or attempts of the backup job
vendor_job_type	Number	Enumeration field representing the following values: 0 = Backup 1 = Archive 2 = Restore 3 = Verify 4 = Duplication 5 = Import 6 = Catalog Backup 7 = Vault 9 = Media Erase

vendor_state	Number	Native NetBackup job state codes. This is an enumeration field with the following values: 0 = Job is queued 1 = Job is running / in-process 2 = Job has been re-queued 3 = Job has been closed / completed 4 = Job has been closed / deleted 5 = No client software installed 6 = Job is pending
vendor_state_name	String	Vendor state name
vendor_status	Number	Native NetBackup status code
vendor_status_name	String	Vendor status name

apt_v_nbu_job_detail *(Veritas NetBackup Views)*

Contains a one row for each NetBackup job try.

Column Name	Data Type	Description
backup_id	String	Veritas NetBackup Backup ID. This is sometimes referred to as the image ID. This is the unique backup identified that has the format <client_name>_<timestamp>
client_host_name	String	Name of the client.
client_id	Number	Foreign key of the client ID for the Veritas NetBackup client (see apt_v_server)
duration	String	Duration in Hour, Minute, Second
duration_secs	Number	Duration in seconds
expiration_date	Date	For backup jobs, this is the date/time when the underlying Veritas NetBackup image will expire
finish_date	Date	Date/time that the job completed
finished_readwrite	Date	Date/time that the job try finished read/write.
is_active	String	Y=Yes, N=No
job_bitflags	Raw	This is a bit field that can be ORed to represent the following bitwise variables: Bit 0 = Manually started job Bit 1 = Compressed backup job Bit 2 = DB compressed backup job Bit 3 = Encrypted backup job
job_id	Number	Unique job ID. Primary key in this view. This is the internal job ID and NOT the same as the NetBackup Job ID.

job_type	Number	Enumeration field with the following possible values: 101 = Full backup 102 = Incremental backup 103 = Catalog backup 104 = Archive 105 = Restore 106 = Verification 107 = Duplicate 108 = Import 109 = Migration 110 = Label 111 = Media Erase 112 = Application backup 199 = Other
job_type_name	String	Job type name as above
kilobytes	Number	For backup jobs, this is the number of KiB in the backup. For restore jobs, this is the number of KiB restored
lifecycle_policy_id	Number	Foreign key to apt_v_nbu_lifecycle_policy
lifecycle_policy_name	String	Lifecycle policy name
lifecycle_policy_version	Number	Lifecycle policy version
master_host_name	String	Name of the master server
mbytes_sec	Number	Mega Bytes Per Second
media_host_name	String	Name of the media server
media_server_id	Number	Foreign key of the media server ID for the Veritas NetBackup media server (see apt_v_server)
media_type	String	D=Disk based backup, T=Tape based backup
nbr_of_copies	Number	For NetBackup backup jobs, this field contains the number of copies that were made of the backup
nbr_of_files	Number	Number of files affected by the NetBackup job
nbu_job_id	Number	Veritas NetBackup Job ID
parent_job_id	Number	Parent job ID
parent_nbu_job_id	Number	Veritas NetBackup Parent Job ID. This is normally NULL but may exist for certain parent/child jobs such as multi-streaming jobs or database backup jobs
parent_schedule_name	String	Parenet schedule name
policy_id	Number	Foreign key to the NetBackup Policy details (See apt_v_nbu_policy)
policy_name	String	Name of the policy.
policy_type_name	String	Name of the policy type.
product_type_name	String	Product type name
sched_start_date	Date	For a backup job, this is the date/time that the job was scheduled to start
schedule_id	Number	Foreign key to the NetBackup Schedule details (See apt_v_nbu_schedule)
schedule_name	String	Name of the schedule

schedule_type_name	String	Name of the schedule type
server_id	Number	Foreign key of the server ID for the Veritas NetBackup Master server (see apt_v_server)
start_date	Date	Date/time that the job started
started_readwrite	Date	Date/time that the job try started read/write.
storage_unit_id	Number	Foreign key to the NetBackup storage unit details (See apt_v_nbu_storage_unit)
storage_unit_label	String	Label for the storage unit
stream_index	Number	Veritas NetBackup stream index for multi-streaming jobs. This column is normally 0 for non-multi-streaming jobs
summary_status	Number	This is an enumeration field with the following values: 0 =successful 1 = partial / warning 2 = failed / error This field can be inspected to determine the overall summary status of a job. If the job was a backup and the summary status was 1 (partial), this is a result of NetBackup skipping some of the files in a backup
target_client_id	Number	This field should only be used for restore jobs and contains the target client for a restore (ie. Destination client). The client_id column above is the source and the server_id is the media server that performed the restore
try_count	Number	For backup jobs, this field contains the number of tries or attempts of the backup job
try_finish_date	Date	Date/time that the job try completed
try_start_date	Date	Date/time that the job try started
try_status	Number	Native NetBackup status code for each try
vendor_state	Number	Native NetBackup job state codes. This is an enumeration field with the following values: 0 = Job is queued 1 = Job is running / in-process 2 = Job has been re-queued 3 = Job has been closed / completed 4 = Job has been closed / deleted 5 = No client software installed 6 = Job is pending
vendor_state_name	String	Vendor state name
vendor_status	Number	Native NetBackup status code
vendor_status_name	String	Vendor status name

apt_v_nbu_job_disk_media *(Veritas NetBackup Views)*

Contains a single row for an instance of disk media that was used within a backup job.

Column Name	Data Type	Description

client_id	Number	Foreign key from apt_v_server
controlling_server_id	Number	Foreign key to the media server that was used for this backup
copy_index	Number	If the backup was set to make multiple copies (inline tape copies), this column will indicate the copy index
date_written	Date	Date/Time the record was written
expiration_date	Date	Date/time when this disk will expire
expired_copy	String	Y or N indicating if the disk has expired or not
finish_date	Date	Date/Time the job was finished
fragment_index	Raw	Fragment index
job_id	Number	Foreign key from apt_job table
last_updated	Date	Date and time last updated
pathname	String	Path name
storage_unit_id	Number	Foreign key to the NetBackup storage unit details (See apt_v_nbu_storage_unit)
written_kilobytes	Number	Number of KiB written to this disk

apt_v_nbu_job_file *(Veritas NetBackup Views)*

Contains a row for each of the job and directory/filename being backed up.

Column Name	Data Type	Description
job_id	Number	Foreign key to the unique ID for the Job that this row related to.
pathname	String	Name of the directory/file that was backed up by the job.

apt_v_nbu_job_state *(Veritas NetBackup Views)*

Contains a single row for each NetBackup Job State.

Column Name	Data Type	Description
creation_date	Date	Date/time that the job created
finish_date	Date	Date/time that the job completed
job_id	Number	Job ID - Foreign Key from apt_v_job
job_state	Number	Current state of NetBackup Job

master_server_name	String	Name of the master server
nbu_job_id	Number	Veritas NetBackup Job ID
server_id	Number	A pointer to the client for which this job was created
start_date	Date	Date/time that the job started

apt_v_nbu_job_tape_media *(Veritas NetBackup Views)*

Contains a single row for instance that a piece of tape media was used within a backup job.

Column Name	Data Type	Description
client_id	Number	Foreign key to the ID of the client/server for which this job/media record is associated (See apt_v_server)
controlling_server_id	Number	Foreign key to the media server that was used for this backup
copy_index	Number	If the backup was set to make multiple copies (inline tape copies), this column will indicate the copy index
drive_id	Number	Foreign key to the Tape drive on which this job/tape media was mounted and written (See apt_v_tape_media)
expiration_date	Date	Date/time when this tape will expire
expired_copy	String	Y or N indicating whether the tape has expired or not
job_id	Number	Foreign key to the unique ID for the Job that this row related to.
kilobytes	Number	Number of KiB written to the associated tape media for the job, job_id
last_updated	Date	Date and time last updated
storage_unit_id	Number	Foreign key to the storage unit that was used for this backup
tape_media_id	Number	Foreign key to the ID of the tape media for which this job/media record is associated (See apt_v_nbu_tape_media)
tape_media_index	Raw	Index from zero that indicates the order of tapes that were used for the backup job
vault_sent_date	Date	Vault sent date
volume_group_id	Number	Foreign key to the volume group that was used for this backup
volume_pool_id	Number	Foreign key to the NetBackup volume pool that was used

apt_v_nbu_job_try *(Veritas NetBackup Views)*

Contains a single row for each unique NetBackup job try.

Column Name	Data Type	Description

backup_id	String	Veritas NetBackup Backup ID. This is sometimes referred to as the image ID. This is the unique backup identified that has the format <client_name>_<timestamp>
client_host_name	String	The host name associated with the ID
client_id	Number	Foreign key of the client ID for the backup client
expiration_date	Date	For backup job, this is the date/time when the underlying Veritas NetBackup image will expire
finish_date	Date	Date/time that the job completed
finished_readwrite	Date	Date/time that the job try finished read/write
is_active	String	Y=Yes, N=No
job_bitflags	Raw	This is a bit field that can be ORed to represent the following bitwise variables: Bit 0 = Manually started job Bit 1 = Compressed backup job Bit 2 = DB compressed backup job Bit 3 = Encrypted backup job
job_id	Number	Unique job ID. Primary key in this view. This is the Portal database internal job ID and NOT the same as the NetBackup Job ID.
job_type	Number	Enumeration field with the following possible values: 101 = Full backup 102 = Incremental backup 103 = Catalog backup 104 = Archive 105 = Restore 106 = Verification 107 = Duplicate 108 = Import 109 = Migration 110 = Label 111 = Media Erase 112 = Application backup 199 = Other
job_type_name	String	Job type name
kilobytes	Number	For backup jobs, this is the number of KiB in the backup. For restore jobs, this is the number of KiB restored
last_activity_date	Date	The last activity date of the job
master_host_name	String	Name of the master server
media_host_name	String	Name of the media server
media_server_id	Number	Foreign key of the media server ID for the Veritas NetBackup media server
media_type	String	D=Disk based backup, T=Tape based backup
nbr_of_copies	Number	For NetBackup backup jobs, this field contains the number of copies that were made of the backup
nbr_of_files	Number	Number of files affected by the backup job
nbu_job_id	Number	Veritas NetBackup Job ID
parent_nbu_job_id	Number	Veritas NetBackup Parent Job ID. This is normally NULL, but may exist for certain parent/child jobs such as multi-streaming jobs or database backup jobs

policy_id	Number	Foreign key to the backup Policy details
policy_name	String	Name associated with the NetBackup policy ID
policy_type_name	String	Native NetBackup policy type
product_type_name	String	Name of the backup product type
sched_start_date	Date	For a backup job, this is the date/time that the job was scheduled to start
schedule_id	Number	Foreign key to the schedule details
schedule_name	String	Name of the schedule
schedule_type_name	String	Name of the schedule type
server_id	Number	Foreign key of the server ID for the backup server
start_date	Date	Date/time that the job started
started_readwrite	Date	Date/time that the job try started read/write
storage_unit_id	Number	Foreign key to the NetBackup storage unit details
storage_unit_label	String	Label for the storage unit
stream_index	Number	Stream index for multi-streaming jobs. This column is normally 0 for non-multi-streaming jobs
summary_status	Number	This is an enumeration field with the following values: 0 = successful 1 = partial / warning 2 = failed / error This field can be inspected to determine the overall summary status of a job. If the job was a backup and the summary status was 1 (partial), this is a result of the backup skipping some of the files in a backup
summary_try_status	Number	Calculated value
target_client_id	Number	This field should only be used for restore jobs and contains the target client for a restore (i.e. Destination client). The client_id column above is the source and the server_id is the media server that performed the restore
try_count	String	For backup jobs, this field contains the number of tries or attempts of the backup job
try_finish_date	Date	Date/time that the job try completed
try_index	Number	Indicates which try - that is, first try, second try, etc.
try_kilobytes	Number	KiB backed up by the try
try_nbr_of_files	Number	Try number of files
try_start_date	Date	Date/time/that the job try started
try_status	Number	The status of the attemp
vendor_state	Number	Vendor specific job state code
vendor_state_name	String	Text description of the job state
vendor_status	Number	Vendor specific status code

vendor_status_name	String	Vendor specific status name

apt_v_nbu_lifecycle_policy *(Veritas NetBackup Views)*

View describing the Lifecycle policy of the backup media

Column Name	Data Type	Description
data_classification	String	Data classification
duplication_job_priority	Number	Job priority
exists_in_catalog	String	Whether it exists in the catalog
last_updated	Date	Date and time last updated
lifecycle_policy_id	Number	Primary key in this view
lifecycle_policy_name	String	Lifecycle policy name
lifecycle_policy_state	String	State of the lifecycle policy
management_server_id	Number	Foreign key from apt_v_client view

apt_v_nbu_lifecycpolicy_dest *(Veritas NetBackup Views)*

View describing the Lifecycle destinations of the backup media

Column Name	Data Type	Description
alternate_read_server	String	Alternate read server
destination_index_nbr	Number	Destination index number
destination_parent_nbr	Number	Destination Parent Number
destination_server_group	String	Destination server group
destination_state	String	Destination state
last_updated	Date	Date and time last updated
lifecycle_policy_id	Number	Foreign key from apt_v_nbu_lifecycle_policy view
preserve_multilpexing	String	Preserve multiplexing
retention_days	Number	The number of days to keep the data for backups performed
retention_level	Number	Retention level

retention_type	String	Retention type
storage_unit_id	Number	Foreign key from apt_v_nbu_storage_unit view
used_for	String	What is it used for
volume_pool_id	Number	Foreign key from apt_v_nbu_volume_pool view

apt_v_nbu_media_server *(Veritas NetBackup Views)*

Contains a row for each of the media server.

Column Name	Data Type	Description
media_server_id	Number	Foreign key of the media server ID for the Veritas NetBackup media server (see apt_v_server)
media_server_name	String	Name of the media server
storage_unit_id	Number	Unique ID of the NetBackup storage unit

apt_v_nbu_ost_plugin *(Veritas NetBackup Views)*

Contains a single row for NetBackup Plugin associated with a Master and Media server

Column Name	Data Type	Description
build_version	Number	Build Version.
build_version_min	Number	Build Version Minor.
last_updated	Date	Last Date and time when this record was updated in the Portal database.
master_server_id	Number	Master Server Identifier.
operating_version	Number	Operating Version.
plugin_label	String	Label for the Plugin.
plugin_name	String	Name of the Plugin.
plugin_prefix	String	Prefix for the plugin.
server_id	Number	Foreign key of the server ID for the Veritas NetBackup Server.
vendor_version	String	Vendor Version.

apt_v_nbu_policy *(Veritas NetBackup Views)*

Contains a single row for each NetBackup policy.

Column Name	Data Type	Description
alternate_client_name	String	Alternate client name
backup_copy	Number	backup copy
backup_network_drives	String	Backup Network Drives Flag, Y = yes, N= no
bitflags	String	Bitflags
block_incremental	String	Y=Yes, N=No
checkpoint	String	Y=Yes, N=No
checkpoint_interval	Number	Checkpoint interval
client_compress	String	Client compress
client_encrypt	String	Client encrypt
collect_bmr_info	String	Y=Yes, N=No
collect_tir_info	String	Collect TIR Information Flag, M = yes, with move detection, Y = yes, N = no
cross_mount_points	String	Cross mount points
data_classification	String	Data classification
data_mover_type	Number	Data mover type
effective_date	Date	Effective date
enable_instant_recovery	String	Y=Yes, N=No
exists_in_catalog	String	Y=Yes, N=No
file_restore_raw	String	Y=Yes, N=No
follow_nfs_mount_points	String	Follow nfs mount points
generation	Number	Generation
granular_restore_info	String	Y=Yes, N=No
is_active	String	Y=Yes the policy is active or N=No, the policy is not active
is_storage_life_policy	String	Y=Yes, N=No
job_priority	Number	Priority given to jobs initiated from this policy
keyword	String	Keywords used for searching this policy

lifecycle_policy_id	Number	Lifecycle policy ID
lifecycle_policy_name	Number	Name of lifecycle policy
max_fragment_size	Number	Maximum fragment size for backups executed using this policy. This value is in MiB
max_jobs_per_policy	Number	Maximum number of jobs that can be running for this policy
multiple_streams	String	Multiple streams
nbu_server_group	String	NBU server group
perform_offhost_backup	String	Y=Yes, N=No
perform_snapshot_backup	String	Y=Yes, N=No
policy_id	Number	Unique ID of the NetBackup policy
policy_name	String	Policy Name
policy_type	Number	Native NetBackup policy type
policy_type_name	String	Name of the policy type
server_id	Number	Foreign key of the management server that owns this policy (See apt_v_server)
snapshot_method	String	Snapshot method
snapshot_method_argument	String	Snapshot method argument
storage_unit	String	Storage Label or Storage Unit Group Name
storage_unit_group_id	Number	Foreign key to the storage unit group
storage_unit_id	Number	Foreign key to the default storage unit/storage unit group for this policy
use_alternate_client	String	Y=Yes, N=No
use_data_mover	String	Y=Yes, N=No
use_virtual_machine	String	Y=Yes, N=No
volume_pool_id	Number	Foreign key to the default volume pool for this policy

apt_v_nbu_policy_client *(Veritas NetBackup Views)*

Contains a single row for each NetBackup policy client.

Column Name	Data Type	Description
client_id	Number	Foreign key of the client ID for the Veritas NetBackup client (see apt_v_server)
client_name	String	Client name
description	String	This field store the input data from csv

exists_in_catalog	String	Y=Yes, N=No
is_active	String	Y=Yes, N=No
job_priority	Number	Priority given to jobs initiated from this policy
keyword	String	Keywords used for searching this policy
max_fragment_size	Number	Maximum fragment size for backups executed using this policy. This value is in MiB
max_jobs_per_policy	Number	Maximum number of jobs that can be running for this policy
original_ip_address	String	The original IP address from NetBackup collection
original_server_name	String	The original server name from NetBackup collection
policy_id	Number	Unique ID of the NetBackup policy
policy_name	String	Policy Name
policy_type	Number	The enumeration type of the policy can be any of the following: 0 = Standard 3 = Apollo WBak 4 = Oracle 6 = Informix 7 = Sybase 10 = Netware 11 = SQL BackTrack 13 = Windows NT 14 = OS2 15 = SQL Server 16 = Exchange Server 17 = SAP 18 = DB2 19 = NDMP 20 = FlashBackup 1 21 = Split Mirror 22 = AFS 24 = Datastore 25 = Lotus Notes 26 = NCR Teradata 29 = FlashBackup 2 30 = Vault
server_id	Number	Foreign key of the management server that owns this policy
storage_unit_id	Number	Foreign key to the NetBackup storage unit details
volume_pool_id	Number	Foreign key to the published view apt_v_nbu_volume_pool

apt_v_nbu_policy_client_aud *(Veritas NetBackup Views)*

Contains audit information for every NetBackup policy client

Column Name	Data Type	Description
client_id	Number	Foreign key to apt_v_server
log_date	Date	Log date
policy_id	Number	Foreign key to apt_v_nbu_policy_client

apt_v_nbu_policy_file *(Veritas NetBackup Views)*

Contains a single row for each NetBackup policy file.

Column Name	Data Type	Description
include_exclude_flag	String	include exclude flag: I-include E-exclude
pathname	String	path name
policy_id	Number	internal key policy details
policy_name	String	policy name

apt_v_nbu_policy_file_log *(Veritas NetBackup Views)*

Contains history information for every NetBackup policy file

Column Name	Data Type	Description
include_exclude_flag	String	Include or exclude
log_date	Date	Log date
log_operation	String	Log operation type
pathname	String	File path
policy_id	Number	Foreign key to apt_v_nbu_policy_file

apt_v_nbu_policy_log *(Veritas NetBackup Views)*

Contains history information for every NetBackup policy

Column Name	Data Type	Description

bitflags	String	Bit flags
is_active	String	Is the policy active
job_priority	Number	Priority given to jobs initiated from this policy
keyword	String	Keywords used for searching this policy
log_date	Date	Log date
log_operation	String	Log operation type
max_fragment_size	Number	Maximum fragment size for backups executed using this policy. This value is in MiB
max_jobs_per_policy	Number	Maximum number of jobs that can be running for this policy
policy_id	Number	Foreign key to apt_v_nbu_policy
policy_name	String	Policy name
policy_type	Number	Policy type
server_id	Number	Foreign key to apt_v_server
storage_unit_id	Number	Foreign key to ptl_nbu_storage_unit
volume_pool_id	Number	Foreign key to the default volume pool for this policy

apt_v_nbu_related_job *(Veritas NetBackup Views)*

Contains a single row for each unique related NetBackup job.

Column Name	Data Type	Description
child_job_id	Number	The unique ID of a child job
parent_job_id	Number	Unique job ID. Primary key in this view
summary_status	Number	This is an enumeration field with the following values: 0 = successful 1 = partial / warning 2 = failed / error

apt_v_nbu_restore_backup_job *(Veritas NetBackup Views)*

The apt_v_nbu_restore_backup_job has relationship between restore job and its backup job

Column Name	Data Type	Description

backup_job_id	Number	This is the internal backup job ID and NOT the same as the NetBackup Job ID.
restore_job_id	Number	This is the internal restore job ID and NOT the same as the NetBackup Job ID.

apt_v_nbu_schedule *(Veritas NetBackup Views)*

Contains a single row for each NetBackup schedule.

Column Name	Data Type	Description
day_of_month	Raw	This field contains a bitmask where each bit reflects what days of a month a calendar based schedule will execute. The following is a list of the bit-patterns within this bitmask: Bits 0-6 = Week 1, Sun-Sat Bits 7-13 = Week 2, Sun-Sat Bits 14-20 = Week 3, Sun-Sat Bits 21-27 = Week 4, Sun-Sat Bits 28-34 = Week 5, Sun-Sat
day_of_month_text	String	This field contains days of a month a calendar based schedule will execute.
day_of_week	Raw	This field contains a bitmask where each bit reflects what days of a week a calendar based schedule will execute. The following is a list of the bit-patterns within this bitmask: 0 = Every Sunday 1 = Every Monday 2 = Every Tuesday 3 = Every Wednesday 4 = Every Thursday 5 = Every Friday 6 = Every Saturday
day_of_week_text	String	This field contains days of a week a calendar based schedule will execute.
end_of_month	String	Y=Yes, N=No. This field will reflect the end of month flag that can be set for Calendar based schedules
exclude_dates	DateArrayType	This field contains a list of DATE data types
exists_in_catalog	String	Whether the schedule exists in Catalog or not. Y/N
frequency	Number	For frequency-based schedules, this is the interval (in seconds) between successive occurrences of the schedule
fri_end	String	Weekly schedule, Friday end time
fri_start	String	Weekly schedule, Friday start time
include_dates	DateArrayType	This field contains a list of DATE data types

last_day_of_month	Raw	This field contains a bitmask where each bit reflects what last day of each month a calendar based schedule will execute. The following is a list of the bit-patterns within this bitmask: 0 = Last Sunday of any month 1 = Last Monday of any month 2 = Last Tuesday of any month 3 = Last Wednesday of any month 4 = Last Thursday of any month 5 = Last Friday of any month 6 = Last Saturday of any month
last_day_of_month_text	String	This field contains last day of each month a calendar based schedule will execute.
lifecycle_policy_id	Number	Lifecycle policy ID
max_multiplex	Number	NetBackup maximum multiplexing setting for this schedule
mon_end	String	Weekly schedule, Monday end time
mon_start	String	Weekly schedule, Monday start time
number_of_copies	Number	Number of copies that will be made of any backup that uses this schedule.
policy_id	Number	Foreign key to the apt_v_nbu_policy view
retention_days	Number	The number of days to keep the data for backups performed using this schedule. If the value is 9999, this implies that the retention days is inifinite
retry_after_runday	String	Y=Yes, N=No. This field will reflect the retry after runday flag that can be set for Calendar based schedules
sat_end	String	Weekly schedule, Saturday end time
sat_start	String	Weekly schedule, Saturday start time
schedule_id	Number	Unique ID of the NetBackup schedule
schedule_name	String	Name of the schedule
schedule_type	Number	The enumeration type of the policy can be any of the following: 0=Full Backup 1=Cumulative Incremental Backup 2=Application Backup 4=Differential Incremental Backup 5=Archive
schedule_type_name	String	Schedule type name
selection_type	Number	The enumeration type of the policy can be any of the following: 1=Frequency based schedule 2=Calendar based schedule
server_group_name	String	Server Group Name

start_window	WeeklyScheduleType	This field contains an array/list of custom objects of type: weeklyScheduleType. The weeklyScheduleType type contains the following 14-attributes: sunWindowStart (number) sunWindowFinish (number) monWindowStart (number) monWindowFinish (number) tueWindowStart (number) tueWindowFinish (number) wedWindowStart (number) wedWindowFinish (number) thuWindowStart (number) thuWindowFinish (number) friWindowStart (number) friWindowFinish (number) satWindowStart (number) satWindowFinish (number)
storage_unit_id	Number	Foreign key to the published view, apt_v_nbu_storage_unit
sun_end	String	Weekly schedule, Sunday end time
sun_start	String	Weekly schedule, Sunday start time
synthetic	String	Is synthetic?
thu_end	String	Weekly schedule, Thursday end time
thu_start	String	Weekly schedule, Thursday start time
tue_end	String	Weekly schedule, Tuesday end time
tue_start	String	Weekly schedule, Tuesday start time
volume_pool_id	Number	Foreign key to the published view apt_v_nbu_volume_pool
volume_pool_name	String	Name of the volume pool
wed_end	String	Weekly schedule, Wednesday end time
wed_start	String	Weekly schedule, Wednesday start time

apt_v_nbu_schedule_copy *(Veritas NetBackup Views)*

Contains a single row for each NetBackup schedule Copy.

Column Name	Data Type	Description
copy_index	String	A small number, from 0 indicating which copy of a schedule this is
fail_on_error	String	A flag indicating if a backup should be considered a failure
policy_id	Number	Foreign key to the apt_v_nbu_policy view
retention_days	Number	The number of days to keep the data for backups performed using this schedule. If the value is 9999, this implies that the retention days is inifinite

retention_level	Number	A number flag indicating the amount of time to retain backups created by jobs with this schedule
schedule_id	Number	Foreign key to the published view, apt_v_nbu_schedule
schedule_name	String	Name of the schedule
schedule_type	Number	The enumeration type of the policy can be any of the following: 0=Full Backup 1=Cumulative Incremental Backup 2=Application Backup 4=Differential Incremental Backup 5=Archive
schedule_type_name	String	Schedule type name
storage_unit_id	Number	Foreign key to the published view, apt_v_nbu_storage_unit
volume_pool_id	Number	Foreign key to the published view apt_v_nbu_volume_pool
volume_pool_name	String	Name of the volume pool

apt_v_nbu_schedule_log *(Veritas NetBackup Views)*

Contains history information for every NetBackup policy schedule

Column Name	Data Type	Description
exclude_dates	DateArrayType	This field contains a list of DATE data types
frequency	Number	For frequency-based schedules, this is the interval (in seconds) between successive occurrences of the schedule
log_date	Date	Log date
log_operation	String	Log operation type
max_multiplex	Number	NetBackup maximum multiplexing setting for this schedule
number_of_copies	Number	Number of copies that will be made of any backup that uses this schedule
policy_id	Number	Foreign key to the apt_v_nbu_policy view
retention_days	Number	The number of days to keep the data for backups performed using this schedule. If the value is 9999, this implies that the retention days is inifinite
schedule_id	Number	Foreign key to apt_v_nbu_schedule
schedule_name	String	Name of the schedule
schedule_type	Number	The enumeration type of the policy can be any of the following: 0=Full Backup 1=Cumulative Incremental Backup 2=Application Backup 4=Differential Incremental Backup 5=Archive

selection_type	Number	The enumeration type of the policy can be any of the following: 1=Frequency based schedule 2=Calendar based schedule
start_window	WeeklyScheduleType	This field contains an array/list of custom objects of type: weeklyScheduleType. The weeklyScheduleType type contains the following 14-attributes: sunWindowStart (number) sunWindowFinish (number) monWindowStart (number) monWindowFinish (number) tueWindowStart (number) tueWindowFinish (number) wedWindowStart (number) wedWindowFinish (number) thuWindowStart (number) thuWindowFinish (number) friWindowStart (number) friWindowFinish (number) satWindowStart (number) satWindowFinish (number)
storage_unit_id	Number	Foreign key to the published view apt_v_nbu_storage_unit
volume_pool_id	Number	Foreign key to the published view apt_v_nbu_volume_pool

apt_v_nbu_server_lic_feature *(Veritas NetBackup Views)*

Contains Feature ID list for each license

Column Name	Data Type	Description
feature_id	String	List of the IDs for supported features.
host_id	Number	Host ID where the NetBackup license is installed.
host_name	String	Name of the host
primary_license_Key	String	Primary NetBackup license key.

apt_v_nbu_server_license *(Veritas NetBackup Views)*

Contains license information for server

Column Name	Data Type	Description
client_platform	String	Supported client platform. For example, 0 means Any Platform.
client_tier	String	Supported client tier.
expiration	String	Expiration date for the license.

file_version	String	Version of the license file.
firm_expiration	String	Firm expiration date for the license.
host_id	Number	Host ID where the NetBackup license is installed.
host_name	String	Name of the host
key_version	String	Key version of the NetBackup license.
license_count	Number	The number of NetBackup licenses.
license_type	String	Type of NetBackup license.
primary_license_Key	String	Primary license key for the NetBackup license.
product_id	String	NetBackup product identifier.
secondary_license_Key	String	Secondary license key for the NetBackup license.
serial_number	Number	Serial number of the NetBackup license.
server_platform	String	Supported server platform. For example, 0 means Any Platform.
server_tier	String	Supported server tier.
site_id	String	Site identifier.
time_added	Date	Time of addition of license in UTC

apt_v_nbu_slp_job *(Veritas NetBackup Views)*

Contains a single row for each NetBackup SLP Job.

Column Name	Data Type	Description
copy_job_id	Number	Copy Job ID
copy_number	Number	Copy Number
copy_state	Number	Copy State
copy_type	Number	Copy Type
data_format	String	Data Format
destination_index_number	Number	Destination Index Number
expiry_date	Date	Expiry Date
job_id	Number	Job ID - Foreign Key from apt_v_job
last_retry_date	Date	Last Retry Date
last_updated	Date	Last Updated Date

mpx_state	String	MPX State
retry_count	Number	Retry Count

apt_v_nbu_storage_server *(Veritas NetBackup Views)*

Contains a single row for each NetBackup Storage Server.

Column Name	Data Type	Description
flags	String	Flag List
last_updated	Date	Last Updated Date
state	String	State
storage_server_id	Number	Storage Server Id
storage_server_name	String	Storage Server Name
storage_server_type	String	Storage Server Type
storage_type	String	Storage Type

apt_v_nbu_storage_unit *(Veritas NetBackup Views)*

Contains a single row for each NetBackup Storage Unit.

Column Name	Data Type	Description
concurrent_jobs	Number	Number of concurrent NetBackup jobs that can be running at any one time using this storage unit
disk_pool_id	Number	Foreign key to disk pool in apt_v_nbu_disk_pool
exists_in_catalog	Char	Y=Yes, N=No
host_server_id	Number	Foreign key to the apt_v_server view for the controlling server for this storage unit
library_number	Number	Unique NetBackup library number for a given master server

library_type	Number	Enumeration field type with the following possible values: 1=Auto Cart System 2=Management Facility 3=Optical Library 4=Removable Storage Manager 5=4MM 6=8MM 7=DLT 8=Half-Inch 9=Multimedia 10=Half Inch Tape Stacker 11=DLT Tape Stacker 12=8MM Tape Stacker
master_external	String	External or display name of the Master server
master_internal	String	Internal or hostname of the Master server
max_fragment_size	Number	Maximum size of each fragment of data written to this storage unit. This value is in MiB
max_multiplex	Number	NetBackup Maximum Multiplexing setting for this storage unit
media_external	String	External or display name of the Media or controlling server
media_internal	String	Internal or hostname of the Media or controlling server
media_type	Number	The enumeration media type for this storage unit. The following is a list of the possible values: 0 = Default 1 = Qtr Inch Cart (QCART) 2 = Half Inch Cart (HCART) 3 = Half Inch Cart Type 2 (HCART2) 4 = Half Inch Cart Type 3 (HCART3) 5 = 4MM 6 = 8MM 7 = 8MM2 8 = 8MM3 9 = DLT 10 = DLT2 11 = DLT3 12 = DTF 13 = Optical Disk 14 = Worm Disk 15 = AIT3
number_of_drives	Number	number of drives
on_demand	String	Flag to indicate if this storage unit is on demand only. Y=Yes, N=No
pathname	String	Absolute pathname for disk or disk-staging storage units
server_id	Number	Foreign key to the apt_v_server view for the management server to which this storage unit belongs.
storage_unit_id	Number	Unique ID of the NetBackup storage unit
storage_unit_label	String	Name of the storage unit

storage_unit_type	Number	The enumeration type of a storage unit can be any of the following: 1=Disk 2=Media Manager 3=NDMP 4=Fastrax 5=Disk Staging

apt_v_nbu_storage_unit_group *(Veritas NetBackup Views)*

The apt_v_nbu_storage_unit_group view contains a single row for each NBU Storage Unit Group.

Column Name	Data Type	Description
management_server_id	Number	Management Server ID - Foreign key to apt_v_server
storage_unit_group_id	Number	Storage Unit Group ID
storage_unit_group_name	String	Storage Unit Group Name

apt_v_nbu_strgunit_mediasrvr *(Veritas NetBackup Views)*

The apt_v_nbu_strgunit_mediasrvr view associates storage unit with media server..

Column Name	Data Type	Description
media_server_id	Number	Foreign key of the media server ID for the Veritas NetBackup media server (see apt_v_server)
storage_unit_id	Number	Foreign key to the NetBackup storage unit details (See apt_v_nbu_storage_unit)

apt_v_nbu_su_group_member *(Veritas NetBackup Views)*

The apt_v_nbu_su_group_member view associates storage unit with Storage Unit Group ..

Column Name	Data Type	Description
storage_unit_group_id	Number	Storage Unit Group ID - Foreign key to apt_v_nbu_storage_unit_group
storage_unit_id	Number	Storage Unit ID - Foreign key to apt_v_nbu_storage_unit

apt_v_nbu_tape_drive *(Veritas NetBackup Views)*

Contains a single row for physical tape drive.

Column Name	Data Type	Description
controlling_server_id	Number	Foreign key to the media server that is the primary controller for this tape drive. Note: This field is not relevant for SSO environments
device_name	String	Full pathname to the device that is controlling this tape drive
drive_id	Number	Unique ID of the tape drive
drive_in_use	String	Flag to indicate if the drive is currently in use (or not). Y=Yes, N=No.
drive_name	String	Name of the tape drive as reported by NetBackup
drive_status_name	String	This field contains the overall status of the tape drive.
drive_type_name	String	This field contains the type of the tape drive.
inquiry_string	String	SCSI inquiry string performed by NetBackup for this tape drive.
library_id	Number	Foreign key to the apt_v_nbu_tape_library view. This is the library that contains the tape drive.
robot_drive_index	Number	Index of this tape library within the library reference by the library_id field.
serial_number	String	Serial number as obtained from the SCSI inquiry against the tape drive
server_id	Number	Foreign key to the apt_v_server view for the management server for this tape drive
vendor_drive_status	String	This field contains the overall status of the tape drive. The following is an enumeration list of the possible values: P=Up and Online D=Down or Offline O=Up and online but in Operational Mode
vendor_drive_type	Number	This field contains the type of the tape drive. The following is a list of the possible enumeration values: 1=Qtr Inch 2=Half Inch 3=Half Inch-type 2 4=Half Inch-type 3 5=4MM 6=8MM 7=8MM type 2 8=8MM type 3 9=DLT 10=DLT type 2 11=DLT type 3 12=DTF 13=Optical Library 99=Other This field contains the overall status of the tape drive. The following is an enumeration list of the possible values: P=Up and Online D=Down or Offline O=Up and online but in Operational Mode

apt_v_nbu_tape_library *(Veritas NetBackup Views)*

Contains a single row for physical tape library.

Column Name	Data Type	Description
controlling_server_id	Number	Foreign key to the media server that is controlling this library
description	String	Free-form text field
device_name	String	Device name that controls the tape library
inquiry_string	String	Inquiry string returned from a SCSI inquiry
is_online	String	Y=Yes, N=No.
library_id	Number	Unique ID of the tape library.
library_name	String	Custom name that can be assigned to the library
library_type	Number	The following is a list of the enumeration values: 1 = Auto cartridge system (ACS) 2 = Management facility 3 = Optical Library 4 = Removeable Storage Manager 5 = 4MM Tape Library 6 = 8MM Tape Library 7 = DLT Tape Library 8 = Half-Inch Tape Library 9 = Multimedia Tape Library 10 = Half Inch Tape Stacker 11 = DLT Tape Stacker 12 = 8MM Tape Stacker
master_host_name	String	Name of the master server
media_capacity	Number	Total number of tapes that could be loaded within this tape library
media_host_name	String	Name of the media server
nbr_of_drives	Number	Number of tape drives within the tape library
serial_number	String	Serial number of the tape library as returned from a SCSI inquiry
server_id	Number	Foreign key to the master server for which this library is associated (See apt_v_server)
vendor_library_nbr	Number	Unique number assigned by NetBackup to each library associated with a master server

apt_v_nbu_tape_media *(Veritas NetBackup Views)*

Contains a single row for separate piece of tape media.

Column Name	Data Type	Description
bar_code	String	Bar code
date_assigned	Date	NetBackup tape assignment date
date_created	Date	NetBackup creation date
estimated_mbyte_capacity	Number	Estimated MiB capacity
expiration_date	Date	Date/time when this tape will expire
first_mounted	Date	Date/time the tape was first mounted
is_tape_on_hold	String	Is tape on hold
last_header_offset	Number	Last header offset
last_mounted	Date	Date/time the tape was last mounted
last_mounted_drive_id	Number	Foreign key to the tape drive ID that last mounted this piece of tape media
last_read	Date	Date/time the last read operation was performed on this tape
last_written	Date	Date/time the tape was last written to
library_id	Number	Foreign key to the Tape Library that contains this piece of tape media (See apt_v_tape_library)
library_slot_nbr	Number	Slot number within the tape library. This will be NULL for offsite tapes or tapes that are not within a library
max_mounts_allowed	Number	Maximum mounts allowed
media_description	String	Media description
media_name	String	Veritas NetBackup Tape Media ID
media_role	String	Media role
media_status	String	Media status
nbr_of_images	Number	Number of images
nbr_of_mounts	Number	Number of discrete mount operations on this tape media since the tape was first assigned to NetBackup
nbr_of_restores	Number	Number of restores performed on this piece of tape media
nbr_of_valid_images	Number	Number of valid images
optical_header_size	Number	Optical header size in byte
optical_partition_size	Number	Optical partition size in byte

optical_sector_size	Number	Optical sector size in byte
product_type	Number	Enumeration field with the following possible values: 1 Veritas NetBackup 2 Veritas Backup Exec 3 Legato NetWorker 4 IBM Tivoli Storage Manager 5 CommVault Galaxy 6 HP Data Protector
retention_level	Number	Retention level
server_id	Number	Foreign key to the master server that is managing this piece of tape media (See apt_v_server)
tape_media_id	Number	Unique ID of the tape media. This is an internal ID and not the same as the tape media name/code or barcode in NetBackup
vault_container_id	String	Vault container ID
vault_name	String	Vault name
vault_return_date	Date	Vault return date
vault_sent_date	Date	Vault sent date
vault_session_id	String	Vault session ID
vault_slot	String	Vault slot
vendor_media_status	Number	This field contains the media status. The following is a list of the enumeration values: 0 = Unknown 1 = Free / Scratch 2 = Assigned 3 = Frozen 4 = Suspended 5 = Imported 6 = Full 7 = Expired 8 = Catalog Backup Tape 9 = Cleaning Tape

vendor_media_type	Number	This field contains one of the following enumeration values: 0 = Default 1 = Qtr Inch Cart (QCART) 2 = Half Inch Cart (HCART) 3 = Half Inch Cart Type 2 (HCART2) 4 = Half Inch Cart Type 3 (HCART3) 5 = 4MM 6 = 8MM 7 = 8MM2 8 = 8MM3 9 = DLT 10 = DLT2 11 = DLT3 12 = DTF 13 = Optical Disk 14 = Worm Disk 15 = AIT3 100 = Other / Unknown 101 = DLT Cleaning Tape 102 = 8MM Cleaning Tape 103 = 4MM Cleaning Tape 104 = Half-Inch Cleaning Tape 105 = DTF Cleaning Tape
volume_group_id	Number	Foreign key to the NetBackup Volume Group for which this tape media is a member
volume_pool_id	Number	Foreign key to the NetBackup Volume Pool for which this tape media is a member
written_kilobytes	Number	Number of KiB written to this tape

apt_v_nbu_tape_media_detail *(Veritas NetBackup Views)*

Contains a single row for separate piece of tape media.

Column Name	Data Type	Description
bar_code	String	Bar code
date_assigned	Date	Assigned date
date_created	Date	Creation date
expiration_date	Date	Expiration date
first_mounted	Date	Date/time the tape was first mounted
last_header_offset	Number	Last header offset
last_mounted	Date	Last mounted date
last_mounted_drive_id	Number	Last mounted drive Id
last_read	Date	Last read date

last_written	Date	Last written date
library_id	Number	Library Id
library_slot_nbr	Number	Library slot number
max_mounts_allowed	number	Maximum no.of mounts allowed
media_description	String	Media description
media_name	String	Media name
media_role	String	Media role
media_status	String	Media status
nbr_of_images	Number	Number of images
nbr_of_mounts	Number	Number of mounts
nbr_of_restores	Number	Number of restores
nbr_of_valid_images	Number	Number of valid images
optical_header_size	Number	Optical header size in byte
optical_partition_size	Number	Optical partition size in byte
optical_sector_size	Number	Optical sector size in byte
product_type	String	Product type
retention_level	Number	Retention level
server_id	Number	Server Id
tape_media_id	Number	Tape media Id
vault_container_id	String	Vault container ID
vault_name	String	Vault name
vault_return_date	Date	Vault return date
vault_sent_date	Date	Vault sent date
vault_session_id	String	Vault session ID
vault_slot	String	Vault slot
vendor_media_status	String	Vendor media status
vendor_media_type	String	Vendor media type

vendor_media_type_name	String	Vendor Media type with the following possible values: HCART HCART2 HCART3 DLT SDLT Cleaning UNKNOWN
volume_group_id	Number	Volume group Id
volume_group_name	String	Volume group name
volume_pool_id	Number	Volume pool Id
volume_pool_name	String	Volume pool name
written_kilobytes	Number	written in KiB

apt_v_nbu_volume_group *(Veritas NetBackup Views)*

Contains a single row for each NetBackup Volume Group.

Column Name	Data Type	Description
is_offsite_group	String	Is volume group a offsite group?.
server_id	Number	Foreign key to the apt_v_server view for the management server to which this volume group belongs.
volume_group_id	Number	Unique ID of the NetBackup volume group
volume_group_name	String	Name of the volume group

apt_v_nbu_volume_pool *(Veritas NetBackup Views)*

Contains a single row for each NetBackup Volume Pool.

Column Name	Data Type	Description
is_active	String	Indicates if the volume pool is active or not. Y=Yes, N=No.
is_scratch_pool	String	Indicates if the volume pool is a scratch pool or not. Y=Yes, N=No.
server_id	Number	Foreign key to the apt_v_server view for the management server to which this volume pool belongs.
volume_pool_id	Number	Unique ID of the NetBackup volume pool
volume_pool_name	String	Name of the volume pool

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aps_v_array_frntend_to_bckend *(Base Capacity Views)*

Contains a single row for each connection between a frontend array and a backend array.

Column Name	Data Type	Description

backend_array_family	String	Backend array family
backend_array_id	Number	Foreign key to backend storage array details
backend_array_name	String	Backend array name
domain_id	Number	Foreign key to domain details
domain_name	String	Domain name
frontend_array_id	Number	Foreign key to frontend storage array details
frontend_array_name	String	Frontend array name
lun_path	String	Indicate the source of information

aps_v_array_group *(Base Capacity Views)*

Contains a single row for each array group.

Column Name	Data Type	Description
allocated_capacity_gb	Number	Allocated configured capacity in GiB
array_group_id	Number	foreign key to array group(RAID group) details
array_name	String	Array name
chassis_nbr	Number	Chassis Number
free_capacity_gb	Number	Free configured capacity in GiB
group_name	String	Name of the server group
group_nbr	Number	Group Number
is_external	String	Whether the Array Group is external or not
last_updated	Date	Last updated date
object_id	String	unique internal identifier for the array group
overhead_gb	Number	Overhead in GiB
raid_type	String	RAID type of used by the volume: possible values disk - non raided else RAID1,RAID2...RAID5 etc.
storage_array_id	Number	foreign key to storage array details
total_capacity_gb	Number	Total configured capacity in GiB
usable_capacity_gb	Number	Usable capacity after RAID overhead
usable_free_capacity_gb	Number	usable free capacity in GiB
usable_used_capacity_gb	Number	usable used capacity in GiB

aps_v_array_group_log *(Base Capacity Views)*

Contains audit information for array groups

Column Name	Data Type	Description
allocated_capacity_kb	Number	Allocated capacity in KiB
array_group_id	Number	Foreign key to aps_v_array_group
array_name	String	Array Name
free_capacity_kb	Number	Free/available capacity in KiB
log_date	Date	Date when log record was inserted
storage_array_id	Number	Foreign key to aps_v_storage_array
total_capacity_kb	Number	Total capacity in KiB

aps_v_array_group_pdev *(Base Capacity Views)*

The aps_v_array_group_pdev view contains a single row for each array group to pdev relationship.

Column Name	Data Type	Description
array_group_id	Number	Array Group ID
array_group_number	Number	Array Group Number
last_updated	Date	Date/time this pdev was last created/updated
pdev_id	Number	Pdev ID

aps_v_array_port *(Base Capacity Views)*

Contains a single row for each for each port of a storage array

Column Name	Data Type	Description
nickname	String	Nickname
object_id	String	a unique identifier for array port

port_id	Number	foreign key to array port details
port_name	String	port name
port_nbr	Number	port number
port_role	String	port role : possible values are Initiator RCU Target Target
port_wwn_id	Number	foreign key to port world wide name details
storage_array_id	Number	foreign key to storage array details
type	String	Type
wwn	String	world wide name

aps_v_array_port_stats_day_log *(Base Capacity Views)*

Contains daily log data for Array ports

Column Name	Data Type	Description
avg_kbytes_transferred	Number	Average of KiB transferred
avg_total_io	Number	Average of total IO
cum_interval_sec	Number	Cumulative interval in seconds
kbytes_transferred	Number	KiB transferred
log_date	Date	Log date
max_kbytes_transferred	Number	Max KiB transferred
max_total_io	Number	Maximum of total IO
port_id	Number	Foreign key from aps_v_array_port
stddev_kbytes_transferred	Number	Standard deviation of KiB transferred
stddev_total_io	Number	Standard deviation of Total IO
total_io	Number	Total IO

aps_v_array_port_stats_log *(Base Capacity Views)*

Contains Array port statistics data

Column Name	Data Type	Description
diff_kbytes_transferred	Number	Delta data transferred in KiB
diff_total_io	Number	Delta of total IO
interval_sec	Number	Interval in seconds
kbytes_transferred	Number	Data transferred in KiB
log_date	Date	Log date
port_id	Number	Foreign key from aps_v_array_port
prev_log_date	Date	Previous log data
total_io	Number	Total IO

aps_v_asm_dbclient *(Base Capacity Views)*

Represents a dbclient.

Column Name	Data Type	Description
asm_instance_id	Number	Primary key from the aps_v_asm_instance view
compatible_version	String	Compatibility setting of the database or ASM instance for the selected disk group connection
db_instance_name	String	Identifier for the database instance client
db_name	String	Unique database name of the database client instance
last_updated	Date	Date and time last updated
status	String	State of the disk group relative to the instance with the following possible values: CONNECTED - Disk group is in use by the database instance BROKEN - Database instance lost connectivity to the ASM instance that mounted the disk group UNKNOWN - Automatic Storage Management instance has never attempted to mount the disk group DISMOUNTED - Disk group was cleanly dismounted by the ASM instance following a successful mount MOUNTED - Instance is successfully serving the disk group to its database clients QUIESCING - CRSCTL utility attempted to dismount a disk group that contains the Oracle Cluster Registry (OCR). The disk group cannot be dismounted until Cluster Ready Services (CRS) exits,because the disk group contains the OCR.
version	String	Software version number of the database or ASM instance for the selected disk group connection

aps_v_asm_dbclient_diskio_log *(Base Capacity Views)*

Disk IO performance data for each dbclient.

Column Name	Data Type	Description
asm_instance_id	Number	Primary key from the aps_v_asm_instance view
bytes_read	Number	Total number of bytes read from the disk
bytes_written	Number	Total number of bytes written to the disk
cold_bytes_read	Number	Number of bytes read from the cold region on disk
cold_bytes_written	Number	Number of bytes written to the cold region on disk
cold_reads	Number	Number of reads from the cold region on disk
cold_writes	Number	Number of writes to the cold region on disk
db_instance_name	String	Identifier for the database instance client
disk_id	Number	Primary key from the aps_v_asm_disk view
hot_bytes_read	Number	Number of bytes read from the hot region on disk
hot_bytes_written	Number	Number of bytes written to the hot region on disk
hot_reads	Number	Number of reads from the hot region on disk
hot_writes	Number	Number of writes to the hot region on disk
log_date	Date	Date and time the log record was created
read_errs	Number	Total number of failed I/O read requests for the disk
read_time	Number	Total I/O time (in seconds) for read requests for the disk if the TIMED_ STATISTICS initialization parameter is set to true (0 if set to false)
reads	Number	Total number of I/O read requests for the disk
write_errs	Number	Total number of failed I/O write requests for the disk
write_time	Number	Total I/O time (in seconds) for write requests for the disk if the TIMED_ STATISTICS initialization parameter is set to true (0 if set to false)
writes	Number	Total number of I/O write requests for the disk

aps_v_asm_disk *(Base Capacity Views)*

Information about database disks.

Column Name	Data Type	Description
asm_instance_id	Number	Primary key from the aps_v_asm_instance view
disk_create_date	Date	Date and time when the disk was added to the disk group
disk_group_id	Number	Primary key from the aps_v_asm_diskgroup view

disk_id	Number	System generated identifier for the Disk
disk_mount_date	Date	Date and time when the disk was mounted by the first instance
disk_name	String	Name of the disk
disk_path	String	Operating system pathname portion of the name returned by discovery
failgroup	String	Name of the failure group containing the disk
failgroup_type	String	Type of the failure group with the following possible values: REGULAR QUORUM
hash_value	Number	A unique hash value for an ASM disk, computed using the ASM disk name and the ASM disk group name.
header_status	String	Per-instance status of the disk as seen by discovery with the following possible values: UNKNOWN - Automatic Storage Management disk header has not been read CANDIDATE - Disk is not part of a disk group and may be added to a disk group with the ALTER DISKGROUP statement INCOMPATIBLE - Version number in the disk header is not compatible with the Automatic Storage Management software version PROVISIONED - Disk is not part of a disk group and may be added to a disk group with the ALTER DISKGROUP statement. The PROVISIONED header status is different from the CANDIDATE header status in that PROVISIONED implies that an additional platform-specific action has been taken by an administrator to make the disk available for Automatic Storage Management. MEMBER - Disk is a member of an existing disk group. No attempt should be made to add the disk to a different disk group. The ALTER DISKGROUP statement will reject such an addition unless overridden with the FORCE option. FORMER - Disk was once part of a disk group but has been dropped cleanly from the group. It may be added to a new disk group with the ALTER DISKGROUP statement. CONFLICT - Automatic Storage Management disk was not mounted due to a conflict FOREIGN - Disk contains data created by an Oracle product other than ASM. This includes datafiles, logfiles, and OCR disks.
label	String	Disk label portion of the name returned by discovery
last_updated	Date	Date and time last updated
library	String	Name of the library that discovered the disk
mode_status	String	Global status about which kinds of I/O requests are allowed to the disk with the following possible values: ONLINE - Disk is online and operating normally. Reads and writes are attempted when the disk is mounted. Reads are attempted as part of disk discovery. OFFLINE - Disk is offline and access to data is not permitted. Reads and writes are not attempted. An offline disk remains logically part of its disk group.

mount_status	String	Per-instance status of the disk relative to group mounts with the following possible values: MISSING - Automatic Storage Management metadata indicates that the disk is known to be part of the Automatic Storage Management disk group but no disk in the storage system was found with the indicated name CLOSED - Disk is present in the storage system but is not being accessed by Automatic Storage Management OPENED - Disk is present in the storage system and is being accessed by Automatic Storage Management. This is the normal state for disks in a database instance which are part of a Disk Group being actively used by the instance. CACHED - Disk is present in the storage system and is part of a disk group being accessed by the Automatic Storage Management instance. This is the normal state for disks in an Automatic Storage Management instance which are part of a mounted disk group. IGNORED - Disk is present in the system but is ignored by ASM because of one of the following: -- The disk is detected by the system library but is ignored because an ASM library discovered the same disk -- ASM has determined that the membership claimed by the disk header is no longer valid CLOSING - ASM is in the process of closing this disk
preferred_read	String	Status of the preferred read failure group with the following possible values: U - Disk group has no preferred read failure group Y - Disk is a preferred read disk N - Disk is not a preferred read disk For a disk group with one or more preferred read failure groups, if the disk is in one of the preferred read failure groups, the value of this column is Y; otherwise it is N.
product	String	Name of the manufacturer and the name of the product. All disks with the same product id will have the same performance and reliability characteristics
redundancy	String	Hardware redundancy of the disk with the following possible values: UNKNOWN UNPROT MIRROR PARITY
repair_timer	Number	Seconds remaining until the disk is automatically dropped (0 if not failed)
sector_size	Number	Physical block size (in bytes)

state	String	Global state of the disk with respect to the disk group with the following possible values: UNKNOWN - Automatic Storage Management disk state is not known(typically the disk is not mounted) NORMAL - Disk is online and operating normally ADDING - Disk is being added to a disk group, and is pending validation by all instances that have the disk group mounted DROPPING - Disk has been manually taken offline and space allocation or data access for the disk halts. Rebalancing will commence to relocate data off the disks to other disks in the disk group. Upon completion of the rebalance, the disk is expelled from the group. HUNG - Disk drop operation cannot continue because there is insufficient space to relocate the data from the disk being dropped FORCING - Disk is being removed from the disk group without attempting to offload its data. The data will be recovered from redundant copies, where possible. DROPPED - Disk has been fully expelled from the disk group
udib	String	Unique Device ID portion of the name returned by discovery
voting_file	String	Indicates whether the disk contains a voting file (Y) or not (N)

aps_v_asm_disk_log *(Base Capacity Views)*

Frequently changing data about disks.

Column Name	Data Type	Description
asm_instance_id	Number	Primary key from the aps_v_asm_instance view
coldusedmb	Number	Number of used MiB in the cold region
disk_group_id	Number	Primary key from the aps_v_asm_diskgroup view
disk_id	Number	Primary key from the aps_v_asm_disk view
freemb	Number	Unused capacity of the disk (in MiB)
hotusedmb	Number	Number of used MiB in the hot region
log_date	Date	Date and time the log record was created
osmb	Number	Size of the disk (in MiB) as reported by the host operating system
totalmb	Number	Total capacity of the disk (in MiB)

aps_v_asm_diskgroup *(Base Capacity Views)*

Represents a disk group.

Column Name	Data Type	Description

allocation_unit_size	Number	Size of the allocation unit(in bytes)
asm_instance_id	Number	Primary key from the aps_v_asm_instance view
block_size	Number	ASM metadata block size(in bytes)
coldusedmb	Number	Number of used MiB in the cold region
compatability	String	Minimum software version required for an ASM instance to mount this disk group
database_compatability	String	Minimum software version required for a database instance to use files in this disk group
disk_group_id	Number	System generated identifier for the Disk group
disk_group_name	String	Name of the disk group
freemb	Number	Unused capacity of the disk group(in MiB)
hotusedmb	Number	Number of used MiB in the hot region
last_updated	Date	Date and time last updated
offline_disks	Number	No.of disks in the disk group that are currently offline
required_mirror_freemb	Number	Amount of space that is required to be available in a given disk group in order to restore redundancy after one or more disk failures. The amount of space displayed in this column takes mirroring effects into account.
sector_size	Number	Physical block size(in bytes)
state	String	State of the disk group relative to the instance with the following possible values: CONNECTED - Disk group is in use by the database instance BROKEN - Database instance lost connectivity to the ASM instance that mounted the disk group UNKNOWN - ASM instance has never attempted to mount the disk group DISMOUNTED - Disk group was cleanly dismounted by the ASM instance following a successful mount MOUNTED - Instance is successfully serving the disk group to its database clients QUIESCING - CRSCTL utility attempted to dismount a disk group that contains the Oracle Cluster Registry (OCR). The disk group cannot be dismounted until Cluster Ready Services (CRS) exits, because the disk group contains the OCR.
totalmb	Number	Total capacity of the disk group(in MiB)
type	String	Redundancy type for the disk group with the following possible values: EXTERN NORMAL HIGH
usable_filemb	Number	Amount of free space that can be safely utilized taking mirroring into account and yet be able to restore redundancy after a disk failure
voting_files	String	Indicates whether the disk contains voting files(Y) or not(N)

aps_v_asm_diskgroup_dbclient *(Base Capacity Views)*

Relationship between a diskgroup and dbclient.

Column Name	Data Type	Description
asm_instance_id	Number	Primary key from the aps_v_asm_instance view
db_instance_name	String	Identifier for the database instance client
disk_group_id	Number	Primary key from the aps_v_asm_diskgroup view
last_updated	Date	Date and time last updated

aps_v_asm_diskio_log *(Base Capacity Views)*

Disk IO performance data.

Column Name	Data Type	Description
asm_instance_id	Number	Primary key from the aps_v_asm_instance view
bytes_read	Number	Total number of bytes read from the disk
bytes_written	Number	Total number of bytes written to the disk
cold_bytes_read	Number	Number of bytes read from the cold region on disk
cold_bytes_written	Number	Number of bytes written to the cold region on disk
cold_reads	Number	Number of reads from the cold region on disk
cold_writes	Number	Number of writes to the cold region on disk
disk_id	Number	Primary key from the aps_v_asm_disk view
hot_bytes_read	Number	Number of bytes read from the hot region on disk
hot_bytes_written	Number	Number of bytes written to the hot region on disk
hot_reads	Number	Number of reads from the hot region on disk
hot_writes	Number	Number of writes to the hot region on disk
log_date	Date	Date and time the log record was created
read_errs	Number	Total number of failed I/O read requests for the disk
read_time	Number	Total I/O time (in seconds) for read requests for the disk if the TIMED_ STATISTICS initialization parameter is set to true (0 if set to false)
reads	Number	Total number of I/O read requests for the disk
write_errs	Number	Total number of failed I/O write requests for the disk
write_time	Number	Total I/O time (in seconds) for write requests for the disk if the TIMED_ STATISTICS initialization parameter is set to true (0 if set to false)
writes	Number	Total number of I/O write requests for the disk

aps_v_asm_file *(Base Capacity Views)*

Information about files on the physical database.

Column Name	Data Type	Description
asm_instance_id	Number	Primary key from the aps_v_asm_instance view
block_size	Number	Block size of the file (in bytes)
blocks	Number	Number of blocks in the file
bytes	Number	Number of bytes in the file
db_name	String	Unique database name of the database client instance
disk_group_id	Number	Primary key from the aps_v_asm_diskgroup view
file_creation_date	Date	Date and time file was created
file_incarnation	Number	Incarnation number for the file (composite primary key)
file_modified_date	Date	Date and time file was modified
file_name	String	Alias name on the combination of file_number and file_incarnation
file_number	Number	Number of the file within the disk group (composite primary key)
file_type_tag	String	Type specific information about the file
last_updated	Date	Date and time last updated
redundancy	String	Redundancy of the file with the following possible values: UNPROT MIRROR HIGH
redundancy_lowered	String	Indicates whether a file has lower redundancy than what was expected (Y) or not (N). Redundancy is said to have been lowered for a file when one or more data extents in that file are not mirrored at the level specified by the administrator. In case of unprotected files, data extents could be missing altogether. Another possible value for this column is (U), which means that it is unknown
space	Number	Number of bytes allocated to the file
striped	String	Indicates how the file is striped with the following possible values: FINE COARSE

type	String	Type of the file. Possible values are as follows: CONTROLFILE DATAFILE ONLINELOG ARCHIVELOG TEMPFILE BACKUPSET XTRANSPORT PARAMETERFILE DATAGUARDCONFIG FLASHBACK CHANGETRACKING DUMPSET AUTOBACKUP

aps_v_asm_instance *(Base Capacity Views)*

The aps_v_asm_instance view has one row per ASM instance.

Column Name	Data Type	Description
asm_instance_id	Number	System generated identifier for the ASM instance
asm_instance_name	String	Name of the ASM instance
host_id	Number	Server on which this ASM runs

aps_v_asm_san_details *(Base Capacity Views)*

The array LUN connection associated with the ASM instance.

Column Name	Data Type	Description
array_name	String	array name
disk_id	Number	foreign key to disk details
host_disk_id	Number	foreign key to host disk details
host_id	Number	foreign key to host details
logical_unit_id	Number	foreign key to logical unit details
logical_unit_name	String	logical unit name
storage_array_id	Number	foreign key to storage array details

aps_v_atrisk_volumes *(Base Capacity Views)*

Contains a single row for each at risk volume

Column Name	Data Type	Description
file_system_name	String	file system name
filesystem_capacity_gb	Number	filesystem capacity in GiB
filesystem_capacity_kb	Number	filesystem capacity in KiB
filesystem_id	Number	foreign key to filesystem details
filesystem_used_gb	Number	filesystem used capacity in GiB
filesystem_used_kb	Number	filesystem used capacity in KiB
host_id	Number	foreign key to host details
mount_point	String	file system mount point

aps_v_chargeback_log *(Base Capacity Views)*

Contains a single row for each storage array chargeback log.

Column Name	Data Type	Description
host_id	Number	Foreign key to host details
host_name	String	Host Name
log_date	Date	Log date
logical_unit_id	Number	Foreign key to aps_logical_unit
logical_unit_name	String	Name of the logical unit
policy_id	Number	Foreign key to policy details
policy_name	String	Name of the backup policy
policy_priority	Number	Priority of the backup policy
storage_array_id	Number	Foreign key to aps_storage_array
storage_array_name	String	Name of the storage array
total_gb	Number	Total capacity in GiB

unit_cost	Number	Unit cost

aps_v_chargeback_policy *(Base Capacity Views)*

Contains a single row for each storage array chargeback policy item.

Column Name	Data Type	Description
display_value	Number	Display value of chargeback policy item
domain_id	Number	Foreign key from apt_v_domain
domain_name	String	Domain name for the chargeback policy
group_id	Number	Group Id of the policy
group_name	Number	Group name of the policy from apt_v_group
item_type	Number	Chargeback policy item type
item_type_name	Number	Description of chargeback policy item type
item_value	Number	Item value of chargeback policy item
policy_id	Number	Unique ID of chargeback policy
policy_name	Number	Name of the policy
policy_priority	Number	Priority of chargeback policy
policy_type	Number	Type of chargeback policy
policy_type_name	Number	Type of chargeback policy, has value Array or Unknown
unit_cost	Number	unit cost of chargeback policy

aps_v_database_attribute *(Base Capacity Views)*

Contains a single row for each database attribute

Column Name	Data Type	Description
database_name	String	database name
db_instance_id	Number	foreign key to database instance details
db_instance_name	String	database instance name
host_id	Number	foreign key to host details

host_name	String	host name

aps_v_database_datafiles *(Base Capacity Views)*

Contains a single row for each database datafile.

Column Name	Data Type	Description
datafile_id	Number	foreign key to database datafile details
db_instance_id	Number	foreign key to database instance details
db_instance_name	String	database instance name
file_system_name	String	file system name
filesystem_id	Number	foreign key to filesystem details
free_size_gb	Number	free size in GiB
free_size_kb	Number	free size in KiB
increment_by_kb	Number	increment by KiB
increment_by_percent	Number	increment by percent
is_auto_extensible	String	Y=Yes, N=No
last_updated	Date	last updated date
logical_name	String	logical name
max_size_gb	Number	max size in GiB
max_size_kb	Number	max size in KiB
physical_name	String	physical name
status	String	status
tablespace_id	Number	foreign key to tablespace details
tablespace_name	String	tablespace name
total_size_gb	Number	total size in GiB
total_size_kb	Number	total size in KiB

aps_v_database_datafiles_log *(Base Capacity Views)*

Contains a single row for each database datafile log.

Column Name	Data Type	Description
datafile_id	Number	foreign key to database datafile details
db_instance_id	Number	foreign key to database instance details
db_instance_name	String	database instance name
free_size_gb	Number	free size in GiB
free_size_kb	Number	free size in KiB
log_date	Date	log date
logical_name	String	logical name
physical_name	String	physical name
tablespace_id	Number	foreign key to tablespace details
tablespace_name	String	tablespace name
total_size_gb	Number	total size in GiB
total_size_kb	Number	total size in KiB

aps_v_database_instance *(Base Capacity Views)*

Contains a single row for each database instance.

Column Name	Data Type	Description
database_name	String	database name
database_vendor	String	database vendor
db_instance_id	Number	foreign key to database instance details
db_instance_name	String	database instance name
free_size_gb	Number	free size in GiB
free_size_kb	Number	free size in KiB
host_id	Number	foreign key to host details
host_name	String	host name
is_active	String	Y=Yes, N=No
last_updated	Date	last updated date
status	String	status

total_size_gb	Number	total size in GiB
total_size_kb	Number	total size in KiB

aps_v_database_instance_log *(Base Capacity Views)*

Contains a single row for each database instance log.

Column Name	Data Type	Description
db_instance_id	Number	foreign key to database instance details
db_instance_name	String	database instance name
free_size_gb	Number	free size in GiB
free_size_kb	Number	free size in KiB
log_date	Date	log date
total_size_gb	Number	total size in GiB
total_size_kb	Number	total size in KiB

aps_v_database_tablespace *(Base Capacity Views)*

Contains a single row for each database tablespace.

Column Name	Data Type	Description
db_instance_id	Number	foreign key to database instance details
db_instance_name	String	database instance name
free_size_gb	Number	free size in GiB
free_size_kb	Number	free size in KiB
last_updated	Date	last updated date
tablespace_id	Number	foreign key to tablespace details
tablespace_name	String	tablespace name
total_size_gb	Number	total size in GiB
total_size_kb	Number	total size in KiB

aps_v_database_tablespace_log *(Base Capacity Views)*

Contains a single row for each database tablespace log.

Column Name	Data Type	Description
db_instance_id	Number	foreign key to database instance details
db_instance_name	String	database instance name
free_size_gb	Number	free size in GiB
free_size_kb	Number	free size in KiB
log_date	Date	log date
tablespace_id	Number	foreign key to tablespace details
tablespace_name	String	tablespace name
total_size_gb	Number	total size in GiB
total_size_kb	Number	total size in KiB

aps_v_domain *(Base Capacity Views)*

Contains a single row for each domain

Column Name	Data Type	Description
domain_id	Number	foreign key to domain details
domain_name	String	domain name
last_updated	Date	last updated date
root_group_id	Number	id of the server group which is root group for this domain

aps_v_exch_mailbox_folder *(Base Capacity Views)*

Contains a single row for each MS Exchange Mailbox Folder.

Column Name	Data Type	Description

admin_group	String	Admin group
exch_mailbox_folder_id	Number	foreign key to MS Exchange Mailbox Folder details
exch_org_id	Number	foreign key to MS Exchange Organization details
exch_org_name	String	MS Exchange Organization name
exch_storage_group_id	Number	foreign key to MS Exchange Storage Group details
exch_store_id	Number	foreign key to MS Exchange Store details
exch_store_name	String	MS Exchange Store name
folder_path	String	Folder path
folder_size_kb	Number	Folder size in KiB
folder_tree_name	String	Folder tree name
folder_type	String	Folder type
friendly_url	String	Friendly URL
is_active	String	Y=Yes, N=No
last_updated	Date	last updated date
mailbox_folder_name	String	MS Exchange Mailbox Folder name
root_folder_url	String	Root folder URL
storage_group_name	String	MS Exchange Storage Group name

aps_v_exch_org *(Base Capacity Views)*

Contains a single row for each MS Exchange Organization.

Column Name	Data Type	Description
exch_org_id	Number	foreign key to MS Exchange Organization details
exch_org_name	String	MS Exchange Organization name
exch_version	String	MS Exchange version
host_exch_size_gb	Number	Host Exchange size in GiB
host_exch_size_kb	Number	Host Exchange size in KiB
host_id	Number	foreign key to host details
host_name	String	host name
last_updated	Date	last updated date

aps_v_exch_org_attribute *(Base Capacity Views)*

Contains a single row for each MS Exchange Organization attribute

Column Name	Data Type	Description
exch_org_id	Number	foreign key to MS Exchange Organization details
exch_org_name	String	MS Exchange Organization name
host_id	Number	foreign key to host details
host_name	String	host name

aps_v_exch_storage_group *(Base Capacity Views)*

Contains a single row for each MS Exchange Storage Group.

Column Name	Data Type	Description
checkpoint_file_size_kb	Number	Checkpoint file size in KiB
exch_org_id	Number	foreign key to MS Exchange Organization details
exch_org_name	String	MS Exchange Organization name
exch_storage_group_id	Number	foreign key to MS Exchange Storage Group details
is_active	String	Y=Yes, N=No
last_updated	Date	last updated date
reserved_trans_log_size_kb	Number	Reserved transaction log size in KiB
storage_group_name	String	MS Exchange Storage Group name
system_file_disk_path	String	System file disk path
tmp_workspace_size_kb	Number	Temporary workspace size in KiB
trans_log_disk_path	String	Transaction log disk path
trans_log_size_kb	Number	Transaction log size in KiB

aps_v_exch_store *(Base Capacity Views)*

Contains a single row for each MS Exchange Store.

Column Name	Data Type	Description
edb_file_name	String	EDB file name
edb_file_system_name	String	EDB file system name
edb_filesystem_id	Number	foreign key to filesystem details
exch_org_id	Number	foreign key to MS Exchange Organization details
exch_org_name	String	MS Exchange Organization name
exch_storage_group_id	Number	foreign key to MS Exchange Storage Group details
exch_store_id	Number	foreign key to MS Exchange Store details
exch_store_name	String	MS Exchange Store name
is_active	String	Y=Yes, N=No
last_updated	Date	last updated date
mapped_edb_file_name	String	Mapped EDB file name
mapped_stm_file_name	String	Mapped STM file name
stm_file_name	String	STM file name
stm_file_system_name	String	EDB file system name
stm_filesystem_id	Number	foreign key to filesystem details
storage_group_name	String	MS Exchange Storage Group name
store_type	String	Store type
used_size_kb	Number	Used size in KiB

aps_v_file_system *(Base Capacity Views)*

Contains the file systems and the host information.

Column Name	Data Type	Description
available_kb	Number	Available in KiB

capacity_kb	Number	Total capacity in KiB
file_system_name	String	The file system name
file_system_type	String	The file system type
filesystem_id	Number	Primary Key of the file system
host_disk_id	Number	Foreign Key to apt_host_disk
host_id	Number	Foreign Key to apt_host
host_name	String	The host name
host_type	String	The host type
last_updated	Date	Last updated date
mount_point	String	File system mount point
parent_filesystem_id	Number	Parent file system id
quota_kb	Number	quota in KiB
reservation_kb	Number	reserved in KiB
storage_pool_id	Number	Foreign Key to apt_storage_pool
used_kb	Number	Used in KiB

aps_v_file_system_log *(Base Capacity Views)*

Log table for File system

Column Name	Data Type	Description
capacity_kb	Number	Capacity of the file system in Kilo bytes
display_name	String	The name that is displayed on the Web Interface for this client/server
file_system_name	String	The file system name
filesystem_id	Number	Foreign key to the aps_file_system table
host_id	Number	foreign key to apt_host
host_name	String	The hostname of the client/server. This is the name by which the client/server is known
log_date	Date	Date and time when the log record was created
mount_point	String	The mount point
used_kb	Number	Used capacity on the file system in Kilo bytes

aps_v_file_system_path *(Base Capacity Views)*

Contains a single row for each file system path.

Column Name	Data Type	Description
array_port_id	Number	foreign key to array port details
disk_id	String	foreign key to disk details
disk_id_suffix	String	disk id suffix
disk_is_ok	String	Y=Yes, N=No
disk_product_id	String	foreign key to disk product details
disk_size_gb	Number	disk size in GiB
disk_size_kb	Number	disk size in KiB
disk_vendor	String	disk vendor name
display_name	String	display name of the host
file_system_name	String	file system name
file_system_type	String	the host file system type: possible values are FAT- File Allocation Table FAT32 same as above CIFS- Common internet file system NTFS- NT file system or New Technology File System NFS- Network File System Ext2 Second extended file system Ext3 Third extended file system Hfs - Hierarchical File System Jfs -Journaled File System Jfs2 -enhanced journaled file system Ufs -Unix file system Vxfs -Veritas File System
filesystem_capacity_gb	Number	filesystem capacity in GiB
filesystem_capacity_kb	Number	filesystem capacity in KiB
filesystem_id	Number	foreign key to file system details
filesystem_used_gb	Number	filesystem used capacity by stored data in GiB
filesystem_used_kb	Number	filesystem used capacity by stored data in KiB
hba_device_name	String	host bus adaptor device name
hba_node_wwn	String	host bus adaptor node world wide name

hba_port_id	Number	foreign key to hba port details
hba_port_wwn	String	host bus adaptor port world wide name
host_disk_id	Number	foreign key to host disk details
host_id	Number	foreign key to host details
host_name	String	host name
is_san_disk	String	Y=Yes, N=No
mount_point	String	file system mount point
parent_filesystem_id	Number	foreign key to parent file system details
partition_name	String	partition name
partition_size_gb	Number	partition size in GiB
partition_size_kb	Number	partition size in KiB
port_is_active	String	Y=Yes, N=No
primary_ip_address	String	primary ip address of the host on which the file system resides.
raw_disk_path	String	raw disk path
scsi_bus_nbr	Number	scsi bus number
scsi_os_lun_nbr	Number	logical unit number as seen from the host side
scsi_target_nbr	String	scsi target number
storage_type	String	storage type: Possible values D-DAS N-NAS S-SAN
volume_group_id	Number	foreign key to volume group details
volume_group_name	String	logical volume group name
volume_partition_id	Number	foreign key to volume partition details
zfs_available_gb	Number	ZFS available capacity in GiB

aps_v_file_system_stat *(Base Capacity Views)*

Contains a single row for each file system.

Column Name	Data Type	Description
capacity_90day_avg	Number	average capacity of the file system in last 90 days
capacity_90day_max	Number	maximum capacity of the file system in last 90 days
capacity_90day_min	Number	minimum capacity of the file system in last 90 days

filesystem_id	Number	foreign key to filesystem details
host_id	Number	foreign key to host details
used_90day_avg	Number	average used capacity of the file system in last 90 days
used_90day_max	Number	maximum used capacity of the file system in last 90 days
used_90day_min	Number	minimum used capacity of the file system in last 90 days

aps_v_hba_node_detail *(Base Capacity Views)*

Contains a single row for each hba node.

Column Name	Data Type	Description
connection_options	String	Connection Options
data_rate	String	Data Rate
device_name	String	HBA device name
driver	String	Driver
driver_version	String	Driver Version
enable_extended_logging	String	Y=Yes, N=No
enable_fc_tape_support	String	Y=Yes, N=No
enable_fcp_error_recovery	String	Y=Yes, N=No
enable_hard_loop_id	String	Y=Yes, N=No
enable_host_hba_bios	String	Y=Yes, N=No
enable_lip_full_login	String	Y=Yes, N=No
enable_lip_reset	String	Y=Yes, N=No
enable_target_reset	String	Y=Yes, N=No
execution_throttle	Number	Execution Throttle
firmware_version	String	Firmware Version
frame_size	Number	Frame Size
hard_loop_id	String	Hard Loop ID
hba_model	String	HBA Model
host_id	Number	foreign key to host details
host_name	String	The hostname of the client/server.

interrupt_delay_timer_ms	Number	Interrupt Delay Timer in 100ms
last_updated	Date	Last Updated
link_down_timeout_sec	Number	Link Down Timeout in seconds
login_retry_count	Number	Login Retry Count
loop_reset_delay_sec	Number	Loop Reset Delay in seconds
manufacturer	String	Manufacturer
max_lun_per_target	Number	Max LUN Per Target
node_nickname	String	Node nickname
node_wwn	String	host bus adaptor node world wide name
node_wwn_id	Number	Foreign key to WWN
operation_mode	String	Operation Mode
port_down_retry_count	Number	Port Down Retry Count
vendor	String	Vendor

aps_v_hba_port *(Base Capacity Views)*

Contains a single row for each Host Bus Adaptor port.

Column Name	Data Type	Description
device_name	String	Name of the device
host_id	Number	Foreign key to host details
is_active	Char	Flag (Yes/No) to indicate whether a Job is active or not
is_csv_load	Char	Flag (Yes/No) to indicate whether loaded through csv
last_updated	Date	Last Updated Date
node_wwn_id	Number	wwn ID of the controller
port_wwn_id	Number	Foreign key to port world wide name details

aps_v_host *(Base Capacity Views)*

Contains a single row for each client or server.

Column Name	Data Type	Description
display_name	String	The name that is displayed on the Web Interface for this client/server
exists_within_host	Number	Exists within host
host_id	Number	Unique server ID. Primary key in this view
host_name	String	The hostname of the client/server. This is the name by which the client/server is know to the underlying backup software
host_type	String	Host type
last_updated	Date	Date/time this record was last created/updated
primary_ip_address	String	IP Address of the backup interface for this client/server

aps_v_host_alloc_unused_log *(Base Capacity Views)*

The aps_v_host_alloc_unused_log historically collects the allocated and unused SAN storage for each host

Column Name	Data Type	Description
allocated_kb	Number	Total space allocated to the host
display_name	String	The name that is displayed on the Web Interface for this client/server
host_id	Number	Foreign key to host details
host_name	String	Name of the host
log_date	Date	Date/Time when the data was captured
unused_kb	Number	Unused capacity

aps_v_host_array_port_path *(Base Capacity Views)*

Contains a single row for each Host/Array Port path

Column Name	Data Type	Description
array_port_id	Number	Identifies the array port.
capacity_kb	Number	Total capacity of the file system.
file_system_name	String	File system name.
file_system_type	String	File System type.
filesystem_id	Number	Internal database (DB) file system ID.

host_id	Number	Internally generated sequence that identifies the host.
mount_point	String	The mount point of the file system that's utilizing the port.
used_kb	Number	Total used capacity of the file system.

aps_v_host_disk *(Base Capacity Views)*

Contains a single row for each host disk

Column Name	Data Type	Description
disk_id	String	Disk ID
disk_id_suffix	String	Disk ID Suffix
host_disk_id	Number	Sequence generated primary key
host_id	Number	Foreign key to apt_v_server
host_name	String	Host name
host_type	String	Host type
is_ok	String	Yes or No (Y/N) indicating if the disk is ok or not
last_updated	Date	Date and time last updated
product_id	String	Product ID
raw_disk_path	String	Raw disk path
scsi_bus_nbr	Number	Scsi bus number
scsi_os_lun_nbr	Number	Scsi OS Lun number
scsi_target_nbr	String	Scsi target number
size_kb	Number	Size in KiB
vendor	String	Vendor

aps_v_host_disk_alias *(Base Capacity Views)*

Contains a single row for each host disk alias

Column Name	Data Type	Description
disk_alias_id	String	Disk Alias ID

host_disk_id	Number	Foreign key to host disk details
last_updated	Date	Date and time last updated
raw_disk_alias_path	String	Raw Disk Alias Path

aps_v_host_info *(Base Capacity Views)*

Contains a single row for each host info

Column Name	Data Type	Description
host_id	Number	Foreign key to host details
last_updated	Date	Last updated date
percent_used	Number	Percent of the storage used
storage_path_id	Number	Foreign key to storage path details

aps_v_host_luns *(Base Capacity Views)*

Contains a single row for each host showing luns

Column Name	Data Type	Description
array_name	String	array name
host_disk_id	Number	foreign key to host disk details
host_id	Number	foreign key to host details
host_name	String	host name
logical_unit_id	Number	foreign key to logical unit details
logical_unit_name	String	logical unit name (or device number for un-named LUNs)
lun_capacity_gb	Number	LUN capacity in GiB
storage_array_id	Number	foreign key to storage array details

aps_v_host_nas_shares *(Base Capacity Views)*

Contains a single row for each NAS share

Column Name	Data Type	Description
capacity_kb	Number	filesystem capacity in KiB
file_system_name	String	Filesystem name
file_system_type	String	The host filesystem type. Possible values are FAT- File Allocation Table FAT32 same as above CIFS- Common internet file system NTFS- NT file system or New Technology File System NFS- Network File System Ext2 Second extended file system Ext3 Third extended file system Hfs - Hierarchical File System Jfs -Journaled File System Jfs2 -enhanced journaled file system Ufs -Unix file system Vxfs -Veritas File System
filesystem_id	Number	Foreign key to filesystem details
host_id	Number	Foreign key to host details
mount_point	String	file system mount point
pct_available	Number	filesystem available capacity percentage
storage_type	String	storage type: Possible values D-DAS N-NAS S-SAN
used_kb	Number	filesystem used capacity in KiB

aps_v_host_ports *(Base Capacity Views)*

Contains a single row for each host showing all ports.

Column Name	Data Type	Description
host_id	Number	foreign key to host details
host_ports	String	concatenated list of all the host ports

aps_v_host_software *(Base Capacity Views)*

Contains software information on Hosts

Column Name	Data Type	Description

host_id	Number	Foreign key to apt_v_server
last_updated	Date	Date and time last updated
payload_id	Number	Payload ID
software_name	String	host software name
software_type	String	Host software type
software_version	String	Host software version
vendor	String	Host Vendor

aps_v_host_storage *(Base Capacity Views)*

Host storage summary

Column Name	Data Type	Description
allocated_capacity_gb	Number	Allocated capacity in GiB
asm_pct_used	Number	Percentage used ASM filesystem capacity
das_pct_used	Number	Percentage used DAS filesystem capacity
das_san_pct_used	Number	Percentage used filesystem capacity
host_id	Number	Foreign key from apt_host
host_name	String	Host Name
last_poll_date	Date	Last poll date
nas_pct_used	Number	Percentage used NAS filesystem capacity
nbr_of_arrays	Number	Number of unique storage arrays
nbr_of_asm_volumes	Number	Number of distinct ASM volumes
nbr_of_das_san_volumes	Number	Number of distinct file systems
nbr_of_das_volumes	Number	Number of distinct DAS volumes
nbr_of_filesystems_at_risk	Number	Number of filesystems at risk
nbr_of_luns	Number	Number of unique logical units
nbr_of_nas_volumes	Number	Number of distinct NAS volumes
nbr_of_san_volumes	Number	Number of distinct SAN volumes
nbr_of_used_luns	Number	Number of used logical units
primary_ip_address	String	primary ip address of the host on which the file system resides

related_host_names	String	related_host_names from aps_v_related_hosts
san_pct_used	Number	Percentage used SAN filesystem capacity
seen_by_host_gb	Number	Seen by Host capacity in GiB
total_asm_capacity_gb	Number	Total ASM filesystem capacity in GiB
total_asm_used_gb	Number	Total used ASM filesystem capacity in GiB
total_das_capacity_gb	Number	Total DAS filesystem capacity in GiB
total_das_san_capacity_gb	Number	Total filesystem capacity in GiB
total_das_san_used_gb	Number	Used filesystem capacity in GiB
total_das_used_gb	Number	Total used DAS filesystem capacity in GiB
total_nas_capacity_gb	Number	Total NAS filesystem capacity in GiB
total_nas_used_gb	Number	Total used NAS filesystem capacity in GiB
total_san_capacity_gb	Number	Total SAN filesystem capacity in GiB
total_san_used_gb	Number	Total used SAN filesystem capacity in GiB

aps_v_host_volume *(Base Capacity Views)*

Contains a single row for each host volume

Column Name	Data Type	Description
disk_size_gb	Number	disk size in GiB
disk_size_kb	Number	disk size in KiB
file_system_name	String	file system name
file_system_type	String	the host file system type: possible values are FAT- File Allocation Table FAT32 same as above CIFS- Common internet file system NTFS- NT file system or New Technology File System NFS- Network File System Ext2 Second extended file system Ext3 Third extended file system Hfs - Hierarchical File System Jfs -Journaled File System Jfs2 -enhanced journaled file system Ufs -Unix file system Vxfs -Veritas File System
filesystem_id	Number	foreign key to filesystem details

host_id	Number	foreign key to host details
logical_unit_name	String	logical unit name
mount_point	String	file system mount point
path_id	Number	internal identifier
raid_type	String	RAID type of used by the volume: possible values disk - non raided else RAID1,RAID2...RAID5 etc.
scsi_os_lun_nbr	Number	logical unit number as seen on the host side
volume_group_name	String	volume group name

aps_v_logical_unit *(Base Capacity Views)*

Contains a single row for each each logical unit in an array

Column Name	Data Type	Description
array_family	String	array family
array_group_id	Number	foreign key to array group(RAID group) details
array_name	String	array name
creation_date	Date	Date and time this logical unit was created
estimated_used_gb	Number	Estimated used capacity (GiB) of the logical units. File system_used / number_of_members (LUNs associated with the filesystem).
estimated_used_kb	Number	Estimated used capacity (KiB) of the logical units. File system_used / number_of_members (LUNs associated with the filesystem).
group_name	String	array group name in which this LUN resides
is_internal	String	Indicates if the LUN is internal: Y or N.
logical_unit_id	Number	foreign key to logical unit details
logical_unit_name	String	logical unit name
lun_type	String	Lun type
nbr_allocated_luns	Number	total number of allocated logical units on the parent of this LUN
nbr_of_luns	Number	number of logical units
object_id	String	unique internal identifier for the logical unit
parent_logical_unit_id	Number	Meta lun logical_unit_id to define Meta-Private lun relationship
raid_type	String	RAID type of used by the volume: possible values disk - non raided else RAID1,RAID2...RAID5 etc

status	String	This field contains the status of logical unit. The following is a list of the possible values: allocated used allocated unused allocated undiscovered unallocated HDS open reserved
storage_array_id	Number	foreign key to storage array details
storage_pool_id	Number	foreign key to storage pool details
storage_pool_name	String	storage pool name
total_capacity_gb	Number	total capacity in GiB
total_capacity_kb	Number	total capacity in KiB

aps_v_logical_unit_fast *(Base Capacity Views)*

Contains a single row for each each logical unit in an array

Column Name	Data Type	Description
array_family	String	array family
array_group_id	Number	foreign key to array group(RAID group) details
array_name	String	array name
estimated_used_gb	Number	Estimated used capacity (GiB) of the logical units. File system_used / number_of_members (LUNs associated with the filesystem).
estimated_used_kb	Number	Estimated used capacity (KiB) of the logical units. File system_used / number_of_members (LUNs associated with the filesystem).
group_name	String	array group name in which this LUN resides
is_internal	String	Indicates if the LUN is internal: Y or N.
logical_unit_id	Number	foreign key to logical unit details
logical_unit_name	String	logical unit name
lun_type	String	Lun type
nbr_allocated_luns	Number	total number of allocated logical units on the parent of this LUN
nbr_of_luns	Number	number of logical units
object_id	String	unique internal identifier for the logical unit
parent_logical_unit_id	Number	Meta lun logical_unit_id to define Meta-Private lun relationship
raid_type	String	RAID type of used by the volume: possible values disk - non raided else RAID1,RAID2...RAID5 etc
storage_array_id	Number	foreign key to storage array details

storage_pool_id	Number	foreign key to storage pool details
storage_pool_name	String	storage pool name
total_capacity_gb	Number	total capacity in GiB
total_capacity_kb	Number	total capacity in KiB

aps_v_logical_unit_pdev *(Base Capacity Views)*

Contains a single row for each logical unit pdev in an array

Column Name	Data Type	Description
device_type	Number	The device type of the device class
drive_capacity_kb	Number	Capacity of the drive in KiB
drive_speed	Number	Speed of the drive
drive_type	String	Drive type of the disk
is_hdp	String	Indicates if the drive is dynamically provisioned
is_local	String	Indicates that if false, the storage is on a remote storage system
last_updated	Date	The date and time the data was last updated
logical_unit_id	Number	Foreign key to logical unit physical device details
logical_unit_name	String	Name of the logical unit
no_of_drives	Number	Total number of drives
raid_type	String	RAID type used by the volume
vendor_disk_type	String	Disk type used by the vendor

aps_v_lun_frntend_to_bckend *(Base Capacity Views)*

Contains a single row for each connection between a frontend LUN and a backend LUN.

Column Name	Data Type	Description
backend_array_family	String	Backend array family
backend_array_id	Number	Foreign key to backend storage array details
backend_array_name	String	Backend array name

backend_logical_unit_id	Number	Foreign key to backend logical unit details
backend_logical_unit_name	String	Backend logical unit name
backend_lun_capacity_kb	Number	Total capacity of backend logical unit in KiB
domain_id	Number	Foreign key to domain details
domain_name	String	Domain name
frontend_array_id	Number	Foreign key to frontend storage array details
frontend_array_name	String	Frontend array name
frontend_logical_unit_id	Number	Foreign key to frontend logical unit details
frontend_logical_unit_name	String	Frontend logical unit name
frontend_lun_capacity_kb	Number	Total capacity of frontend logical unit in KiB
lun_path	String	Indicate the source of information

aps_v_lun_hosts *(Base Capacity Views)*

Contains a single row for each lun showing all the host/lun combination.

Column Name	Data Type	Description
array_name	String	array name
array_port_id	Number	foreign key to array port details
array_port_wwn	String	array port world wide name
host_disk_id	Number	foreign key to host disk details
host_id	Number	foreign key to host details
host_name	String	host name
host_port_id	Number	foreign key to host port details
host_port_wwn	String	host port world wide name
logical_unit_id	Number	foreign key to logical unit details
logical_unit_name	String	logical unit name
storage_array_id	Number	foreign key to storage array details

aps_v_lun_mapping *(Base Capacity Views)*

Contains a single row for each lun mapping

Column Name	Data Type	Description
array_port_id	Number	Foreign key to array port details
hba_port_id	Number	Foreign key to host port details
host_disk_id	Number	Foreign key to host disk details
host_id	Number	Foreign key to host details
last_updated	Date	Last updated date
scsi_bus_nbr	Number	SCSI bus number
scsi_os_lun_nbr	Number	Logical unit number as seen from the host side
scsi_target_nbr	Number	SCSI target number

aps_v_lun_path *(Base Capacity Views)*

Contains a single row for each LUN/Path.

Column Name	Data Type	Description
array_port_wwn	String	array port world wide name
disk_id_suffix	String	disk id suffix
disk_is_ok	String	Y-Yes, N-No
disk_product_id	String	foreign key to disk product details
disk_size_gb	Number	file system host disk size in GiB
disk_size_kb	Number	file system host disk size in KiB
disk_vendor	String	disk vendor name
display_name	String	display name of the host
file_system_name	String	file system name

file_system_type	String	the host file system type: possible values are FAT- File Allocation Table FAT32 same as above CIFS- Common internet file system NTFS- NT file system or New Technology File System NFS- Network File System Ext2 Second extended file system Ext3 Third extended file system Hfs - Hierarchical File System Jfs -Journaled File System Jfs2 -enhanced journaled file system Ufs -Unix file system Vxfs -Veritas File System
filesystem_capacity_gb	Number	filesystem capacity in GiB
filesystem_capacity_kb	Number	filesystem capacity in KiB
filesystem_id	Number	foreign key to filesystem details
filesystem_used_gb	Number	filesystem used capacity in GiB
filesystem_used_kb	Number	filesystem used capacity in KiB
hba_device_name	String	host bus adaptor device name
hba_node_wwn	String	host bus adaptor node world wide name
hba_port_wwn	String	host bus adaptor port world wide name
host_disk_id	Number	foreign key to host disk details
host_id	Number	foreign key to host details
host_name	String	host name
host_storage_domain	String	host storage domain name
logical_unit_id	Number	foreign key to logical unit details
logical_unit_name	String	logical unit name
lun_capacity_gb	Number	logical unit capacity in GiB
lun_capacity_kb	Number	logical unit capacity in KiB
lun_nbr	Number	logical unit number
mount_point	String	file system mount point
partition_name	String	partition name of the partition that uses this LUN
partition_size_gb	Number	partition size in GiB
partition_size_kb	Number	partition size in KiB
port_is_active	String	Y-Yes N-No
port_name	String	port name

primary_ip_address	String	primary ip address of the host
raid_type	String	RAID type of used by the volume: possible values disk - non raided else RAID1,RAID2...RAID5 etc
raw_disk_path	String	raw disk path
scsi_bus_nbr	Number	scsi bus number
scsi_os_lun_nbr	Number	logical unit number as seen on the host
scsi_target_nbr	String	scsi target number
storage_array_id	Number	foreign key to storage array details
storage_type	String	storage type Possible values D-DAS N-NAS S-SAN
volume_group_id	Number	foreign key to volume group details
volume_group_name	String	logical volume group name
volume_partition_id	Number	foreign key to volume partition details

aps_v_lun_perform_log *(Base Capacity Views)*

Contains raw, hourly, daily history data for LUN Performance

Column Name	Data Type	Description
array_name	String	Array Name.
cum_interval_sec	Number	Time interval, in seconds, for which the data was collected for the daily LUN performance log.
kbytes_read	Number	Amount of data read from the LUN.
kbytes_written	Number	Amount of data written to the LUN.
log_date	Date	The date and time the entry was written to the log table.
logical_unit_id	Number	Internally generated ID that uniquely identifies the logical unit.
logical_unit_name	String	logical unit name
read_hit_io	Number	Cache read hit I/O rate; data available from cache.
read_io	Number	Read I/O operations per second.
read_io_response_time	Number	Read I/O response time.
read_io_time_counter	Number	Read I/O time counter.
storage_array_id	Number	Internally generated sequential ID that uniquely identifies the storage array.
total_io	Number	Total I/O operations per second.

total_io_response_time	Number	Total I/O response time.
total_io_time_counter	Number	Total I/O time counter.
write_hit_io	Number	Write hit I/O rate; data to be updated resides in cache.
write_io	Number	Write I/O operations per second.
write_io_response_time	Number	Write I/O response time.
write_io_time_counter	Number	Write I/O time counter.

aps_v_multi_path_disk *(Base Capacity Views)*

Contains relationship for multi-pathed disks.

Column Name	Data Type	Description
member_disk_id	Number	foreign key to host disks
virtual_disk_id	Number	primary key for multi path disks

aps_v_partition_disk *(Base Capacity Views)*

Contains a single row for each disk partition.

Column Name	Data Type	Description
file_system_name	String	file system name
filesystem_id	Number	foreign key to filesystem details
host_disk_id	Number	foreign key to host disk details
host_id	Number	foreign key to host details
host_name	String	host name
partition_name	String	partition name
partition_size_gb	Number	partition size in GiB
partition_size_kb	Number	partition size in KiB
volume_group_id	Number	foreign key to volume group details
volume_group_name	String	volume group name
volume_partition_id	Number	foreign key to volume partition details

aps_v_pdev *(Base Capacity Views)*

The aps_v_pdev view contains a single row for each pdev.

Column Name	Data Type	Description
array_name	String	Storage Array Name
capacity_gb	Number	Capacity in GiB
capacity_kb	Number	Capacity in KiB
chassis_nbr	Number	Chassis Number
disk_type	String	Disk type
firmware_version	String	Firmware Version
hot_spare	Char	Y=Yes, N=No
last_updated	Date	Date/time this pdev was last created/updated
model	String	Model
pdev_id	Number	Pdev ID
pdev_name	String	Pdev Name
rpm	Number	rpm of the disk
serial_nbr	String	Serial Number
storage_array_id	Number	Storage Array ID
vendor	String	Vendor
vendor_disk_type	String	Vendor disk type

aps_v_related_hosts *(Base Capacity Views)*

Contains a single row for each each host that is related to another host.

Column Name	Data Type	Description
host_id	Number	foreign key to host details
host_name	String	host name
nbr_of_related_hosts	Number	Number of related hosts

primary_ip_address	String	primary ip address of the host.
related_host_names	String	related host names - hosts that share clustered disk as failover hosts

aps_v_storage_array *(Base Capacity Views)*

Contains a single row for each storage array.

Column Name	Data Type	Description
agent_version	String	agent version
allocated_gb	Number	allocated configured capacity in GiB
allocated_kb	Number	allocated configured capacity in KiB
array_family	String	array family
array_group_allocated_kb	Number	Allocated capacity of the array groups in the array.
array_group_available_kb	Number	Available capacity of the array groups in the array.
array_group_capacity_kb	Number	Total capacity of the array groups in the array.
array_name	String	array name
array_type	String	array type
available_gb	Number	available configured capacity in GiB
available_kb	Number	available configured capacity in KiB
cache_gb	Number	array cache size in GiB
cache_kb	Number	array cache size in KiB
capacity_gb	Number	configured capacity in GiB
capacity_kb	Number	configured capacity in KiB
controller_version	String	storage array controller version
creation_date	Date	Date and time this storage array was created
device_manager_id	Number	foreign key to device manager details
domain_id	Number	foreign key to domain details
domain_name	String	domain name
estimated_used_kb	Number	Total estimated used capacity (KiB) of the logical units in the array.
ip_address	String	ip address of the storage array
is_active	String	Y-Yes N-No

is_rm_enabled	String	A flag indicating if this replication data is collected for this array.
largest_free_space_gb	Number	largest free space available on the storage array in GiB
largest_free_space_kb	Number	largest free space available on the storage array in KiB
last_updated	Date	last updated date
lun_allocated_gb	Number	Total capacity of the logical units in the array that have paths assigned in GB.
lun_allocated_kb	Number	Total capacity of the logical units in the array that have paths assigned in KB.
lun_capacity_gb	Number	Total capacity of the logical units in the array in GB.
lun_capacity_kb	Number	Total capacity of the logical units in the array in KB.
nbr_allocated_luns	Number	number of allocated logical units
nbr_array_ports	Number	number of array ports
nbr_hosts	Number	number of hosts
nbr_of_array_groups	Number	Number of Array Groups in the array.
nbr_of_ethernet_ports	Number	Number of Ethernet Ports in the array.
nbr_of_fc_ports	Number	Number of Fibre Channel Ports in the array.
nbr_of_iscsi_ports	Number	Number of iSCSI Ports in the array.
nbr_of_luns	Number	number of logical units
nbr_of_physical_disks	Number	Number of physical disks in the array.
nbr_of_storage_pools	Number	Number of storage pools in the array.
nbr_of_thin_pools	Number	Number of Thin Pools in the array.
object_id	String	unique internal identifier for the storage array
other_allocated_gb	Number	other allocated in GiB
other_allocated_kb	Number	other allocated in KiB
pool_allocated_kb	Number	Total capacity of the storage pools in the array that have LUNs created.
pool_available_kb	Number	Total capacity of the storage pools in the array that do not have LUNs created.
pool_capacity_kb	Number	Total capacity of the storage pools in the array.
product_name	String	product name
raw_allocated_gb	Number	allocated raw capacity in GiB
raw_allocated_kb	Number	allocated raw capacity in KiB
raw_available_gb	Number	available raw capacity in GiB
raw_available_kb	Number	available raw capacity in KiB

raw_capacity_gb	Number	raw capacity in GiB
raw_capacity_kb	Number	raw capacity in KiB
replication_capacity_kb	Number	Total capacity of the logical unit in the array that are marked as replication storage.
root_group_id	Number	foreign key to root group details
serial_nbr	String	storage array serial number
storage_array_id	Number	foreign key to storage array details
thin_pool_allocated_kb	Number	Total capacity of the thin pools in the array that have LUNs created.
thin_pool_available_kb	Number	Total capacity of the thin pools in the array that do not have LUNs created.
thin_pool_capacity_kb	Number	Total capacity of the thin pools in the array.
thin_pool_subscribed_kb	Number	Total capacity of the thin pools in the array that are subscribed by hosts.
thin_pool_subscribed_pct	Number	The percentage (%) of thin pool subscribed capacity vs thin pool total capacity.
usable_external_capacity_gb	Number	usable external capacity in GiB
usable_external_capacity_kb	Number	Total Capacity from back-end, external volumes.
usable_free_capacity_gb	Number	usable free capacity in GiB
usable_free_capacity_kb	Number	Total Capacity of array groups in the array that are usable uncarved RAID.
usable_internal_capacity_gb	Number	usable internal capacity in GiB
usable_internal_capacity_kb	Number	Total Capacity after RAID overhead.
usable_used_capacity_gb	Number	usable used capacity in GiB
usable_used_capacity_kb	Number	Total Capacity for array groups and storage pools in the array that are carved RAID.
vendor_name	String	vendor name
virtualized_capacity_kb	Number	Total Capacity for volumes that are in use, but are not allocated for the virtualized array.

aps_v_storage_array_attribute *(Base Capacity Views)*

Contains a single row for each storage array attribute

Column Name	Data Type	Description
array_family	String	Array Family
array_name	String	Storage array name
domain_id	Number	Domain Id
domain_name	String	Domain Name

product_name	String	Product Name
storage_array_id	Number	Unique identifier for this view

aps_v_storage_array_log *(Base Capacity Views)*

Contains historic data for each storage array.

Column Name	Data Type	Description
allocated_gb	Number	allocated configured capacity in GiB
array_name	String	array name
available_gb	Number	available configured capacity in GiB
cache_gb	Number	array cache size in GiB
capacity_gb	Number	configured capacity in GiB
known_virtual_capacity_gb	Number	known virtual capacity in GiB
largest_free_space_gb	Number	largest free space available on the storage array in GiB
license_capacity_gb	Number	license capacity in GiB
log_date	Date	Date/Time when the history was captured
lun_allocated_gb	Number	lun allocated capacity in GiB
lun_capacity_gb	Number	lun total capacity in GiB
lun_unallocated_gb	Number	lun unallocated capacity in GiB
nbr_allocated_luns	Number	number of allocated logical units
nbr_of_luns	Number	number of logical units
nbr_unallocated_luns	Number	number of unallocated logical units
raw_allocated_gb	Number	allocated raw capacity in GiB
raw_available_gb	Number	available raw capacity in GiB
raw_capacity_gb	Number	raw capacity in GiB
storage_array_id	Number	foreign key to storage array details
thin_pool_allocated_gb	Number	thin pool allocated capacity in GiB
thin_pool_available_gb	Number	thin pool available capacity in GiB
thin_pool_capacity_gb	Number	thin pool total capacity in GiB
thin_pool_subscribed_gb	Number	thin pool subscribed capacity in GiB

usable_external_capacity_gb	Number	usable external capacity in GiB
usable_free_capacity_gb	Number	usable free capacity in GiB
usable_internal_capacity_gb	Number	usable internal capacity in GiB
usable_used_capacity_gb	Number	usable used capacity in GiB
virtual_capacity_gb	Number	virtual capacity in GiB
virtualized_capacity_gb	Number	virtualized capacity in GiB

aps_v_storage_path *(Base Capacity Views)*

Contains a single row for each storage path

Column Name	Data Type	Description
array_family	String	array family
array_name	String	array name
array_port_id	Number	foreign key to array port details
array_port_wwn	String	array port world wide name
device_nbr	Number	device number
host_id	Number	foreign key to host details
host_port_id	Number	foreign key to host port details
host_port_wwn	String	host port world wide name
host_storage_domain	String	host storage domain
logical_unit_id	Number	foreign key to logical unit details
logical_unit_name	String	logical unit name
lun_nbr	Number	logical unit number
nbr_allocated_luns	Number	number of allocated logical units
nbr_of_luns	Number	number of logical units
object_id	String	unique internal identifier for the storage path
path_id	Number	foreign key to path details
path_name	String	path name
port_name	String	array port name
port_nbr	Number	array port number

port_role	String	port role : possible values are Initiator RCU Target Target
raid_type	String	raid type
storage_array_id	Number	foreign key to storage array details
storage_domain_id	Number	foreign key to storage domain details
total_capacity_gb	Number	total capacity in GiB
total_capacity_kb	Number	total capacity in KiB

aps_v_storage_pool *(Base Capacity Views)*

Contains a single row for each storage pool.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	Date and time this storage pool was created
is_thin_provisioned	Char	Indicates if the storage pool is thinly provisioned.
last_updated	Date	Last updated date
nbr_of_luns	Char	Number of logical units in the storage pool.
raid_type	String	RAID type of the storage pool.
raw_capacity_kb	Number	Raw capacity the storage pool in KiB.
storage_array_id	Number	foreign key to storage array details
storage_pool_id	Number	foreign key to storage pool details
storage_pool_name	String	Name of the storage pool.
storage_pool_status	String	Status of the storage pool.
storage_pool_type	String	Type of storage pool.
subscribed_capacity_kb	Number	The physical capacity that has been given to hosts from the host perspective in KiB.
used_capacity_kb	Number	Amount of data written to the pool in KiB.
user_capacity_kb	Number	User capacity (The pool capacity available to LUNs from this pool after definition) in KiB.

aps_v_vvm_host_disk *(Base Capacity Views)*

Disks used for the veritas volumes

Column Name	Data Type	Description
capacity_kb	Number	Capacity of the disk in KiB
host_disk_id	Number	Foreign key from aps_host_disk
last_updated	Date	Date and time last updated
vvm_disk_id	String	VVM Name for the Imported Disk

aps_v_vvm_lun *(Base Capacity Views)*

luns mapped for the veritas volumes

Column Name	Data Type	Description
array_capacity_kb	Number	Capacity of the array in KiB
array_name	String	Name of the array
disk_id	String	disk_id from aps_host_disk table
file_system_capacity_kb	Number	Capacity of the file system in KiB
file_system_last_updated	Date	Last updated date of the file system
file_system_name	String	File system name
file_system_used_kb	Number	Used capacity in KiB
filesystem_id	Number	foreign key to filesystem details
group_name	String	Group name
host_disk_id	Number	Foreign key from aps_host_disk
host_id	Number	Foreign key from apt_v_server
host_name	String	Host name
logical_unit_id	Number	logical_unit_id from aps_hds_logical_unit
lun_capacity_kb	Number	Capacity of the LUN in KiB
mount_point	String	mount_point from aps_file_system table

plex_capacity_kb	Number	Capacity of the plex in KiB
plex_root_vvm_volume_id	Number	root_vvm_volume_id from aps_vvm_plex table
raw_disk_path	String	Raw disk path
storage_array_id	Number	Foreign key from aps_storage_array
true_copy_vol_type	String	true_copy_vol_type from aps_hds_logical_unit
volume_group_id	Number	Foreign key from aps_volume_group
volume_partition_capacity_kb	Number	Capacity of the volume partition in KiB
volume_partition_id	Number	Foreign key from aps_volume_partition
volume_partition_name	String	Volume partition name
vvm_plex_id	Number	Foreign key from aps_v_vvm_plex
vvm_plex_name	String	Plex name
vvm_sub_disk_capacity_kb	Number	Capacity of the sub disk in KiB
vvm_sub_disk_id	Number	Foreign key from aps_v_vvm_sub_disk
vvm_sub_disk_name	String	Name of the sub disk
vvm_volume_capacity_kb	Number	Capacity of the VVM volume in KiB
vvm_volume_id	Number	Foreign key from aps_v_vvm_volume
vvm_volume_name	String	Volume name

aps_v_vvm_plex *(Base Capacity Views)*

Veritas plexes

Column Name	Data Type	Description
capacity_kb	Number	Capacity in KiB
is_layered	String	Y tells that its a layered plex similar to layered volumes
is_log	String	Y indicates that plex is used for the logging purposes.
last_updated	Date	Date and time last updated
layout	String	Snapshot,Striped
root_vvm_volume_id	Number	Foreign key from aps_v_vvm_volume
volume_group_id	Number	Foreign key from aps_volume_group
vvm_plex_id	Number	Unique Id generated by a sequence

vvm_plex_name	String	Plex name
vvm_plex_state	String	State of the plex
vvm_volume_id	Number	Foreign key from aps_v_vvm_volume

aps_v_vvm_sub_disk *(Base Capacity Views)*

Veritas sub disks

Column Name	Data Type	Description
capacity_kb	Number	Capacity of the disk in KiB
is_dco	String	If a subdisk is marked as DCO, it takes space but will not have the plex information reported.
is_layered	String	If it is layered, diskVolume is available and is equal to volumeName. If not, diskPartition is available and it matches the Partition.
last_updated	Date	Date and time last updated
root_vvm_plex_id	Number	Foreign key from aps_v_vvm_plex
root_vvm_volume_id	Number	Foreign key from aps_v_vvm_volume
sub_disk_id	String	Sub Disk ID
sub_disk_id_suffix	String	The suffix of the subdisk ID.
volume_group_id	Number	Foreign key from aps_volume_group
volume_partition_id	Number	Foreign key from aps_volume_partition
vvm_plex_id	Number	Foreign key from aps_v_vvm_plex
vvm_sub_disk_id	Number	Unique Id generated by a sequence
vvm_sub_disk_name	String	Sub disk name
vvm_volume_id	Number	Foreign key from aps_v_vvm_volume

aps_v_vvm_volume *(Base Capacity Views)*

Veritas volumes

Column Name	Data Type	Description
capacity_kb	Number	Capacity in KiB
drive_letter	String	It is present only if windows

last_updated	Date	Date and time last updated
raid_type	String	Mirrored, Striped
volume_group_id	Number	Foreign key from aps_volume_group
volume_partition_id	Number	Foreign key from aps_volume_partition
volume_state	String	State of the volume
vvm_volume_id	Number	Unique Id generated by a sequence
vvm_volume_name	String	Volume name

aps_v_zone_host_wwn *(Base Capacity Views)*

The aps_v_zone_host_wwn contain a single row for each zone host wwn.

Column Name	Data Type	Description
alias_name	String	Alias name
creation_date	Date	The date and time the zone host wwn was created in the database.
device_manager_id	Number	foreign key to device manager details.
domain_id	Number	foreign key to domain details.
domain_name	String	Domain name
host_port_wwn	String	Host port WWN
last_updated	Date	The date and time the zone host wwn data was last updated in the database.
zone_name	String	Zone name

apt_v_object_alias *(Base Capacity Views)*

Contains a single row for the object alias

Column Name	Data Type	Description
alias_name	String	Alias name for this object
domain_id	Number	Domain ID for the alias object
domain_name	String	Domain name for the alias object
is_user_maintained	String	Flag to indicate whether this object maintained by user

object_alias_id	Number	Unique identifier to apt_v_object_alias view
object_id	Number	Id of this alias object
object_name	String	Name of the object
object_type	String	Type of the object

Dell Compellent Views (Go to Top)

aps_v_cpl_array_group
aps_v_cpl_controller
aps_v_cpl_fc_port
aps_v_cpl_iscsi_port
aps_v_cpl_logical_unit
aps_v_cpl_pdev
aps_v_cpl_replay
aps_v_cpl_replication
aps_v_cpl_server
aps_v_cpl_server_folder
aps_v_cpl_server_port
aps_v_cpl_storage_array
aps_v_cpl_storage_profile
aps_v_cpl_tier_class
aps_v_cpl_tier_log
aps_v_cpl_tier_type
aps_v_cpl_volume_folder

aps_v_cpl_array_group *(Dell Compellent Views)*

Contains a single row for each Dell Compellent array group

Column Name	Data Type	Description
allocated_capacity_kb	Number	Array group allocated capacity in KiB
array_group_id	Number	Foreign key to aps_array_group
cpl_storage_array_id	Number	Foreign key to aps_storage_array
free_capacity_kb	Number	Array group available capacity in KiB
group_name	String	The array group name
is_assigned	String	A flag indicator whether the array group is assigned
last_updated	Date	last updated date
nbr_of_volumes	Number	Number of volumes
system_name	String	System name
total_capacity_kb	Number	Array group total capacity in KiB
total_spare_kb	Number	Total spare capacity in KiB
total_volume_active_kb	Number	Total active volume/LUNs in KiB
total_volume_free_kb	Number	Available volume/LUNs in KiB

total_volume_replay_kb	Number	Total replay volume/LUNs in KiB
usable_capacity_kb	Number	Array group usable capacity in KiB

aps_v_cpl_controller *(Dell Compellent Views)*

Contains a single row for each Dell Compellent controller

Column Name	Data Type	Description
controller_index	Number	unique identifier for controller
controller_name	String	Name of a controller
cpl_controller_id	Number	Primary key in this table
cpl_storage_array_id	Number	Foreign key to aps_storage_array
health_state	Number	Health state for controller
last_updated	Date	last updated date
operational_status	String	Operational status for controller
system_name	String	System name
version	String	Controller version

aps_v_cpl_fc_port *(Dell Compellent Views)*

Contains a single row for each Dell Compellent array port

Column Name	Data Type	Description
cpl_controller_id	Number	Foreign key to aps_cpl_controller
cpl_storage_array_id	Number	Foreign key to aps_storage_array
health_state	Number	Health state for array port
last_updated	Date	last updated date
operational_status	String	Operational status for array port
port_id	Number	Foreign key to aps_array_port
port_name	String	Name of the port
port_wwn_id	Number	Foreign key to aps_wwn

system_name	String	System name
wwn	String	FC port WWN

aps_v_cpl_iscsi_port *(Dell Compellent Views)*

Contains a single row for each Dell Compellent array port

Column Name	Data Type	Description
cpl_controller_id	Number	Foreign key to aps_cpl_controller
cpl_storage_array_id	Number	Foreign key to aps_storage_array
ipv4_address	String	IPv4 address
ipv6_address	String	IPv6 address
last_updated	Date	last updated date
operational_status	String	Operational status for array port
port_id	Number	Foreign key to aps_array_port
port_name	String	Name of the port
port_wwn_id	Number	Foreign key to aps_wwn
system_name	String	System name
wwn	String	FC port WWN

aps_v_cpl_logical_unit *(Dell Compellent Views)*

Contains a single row for each Dell Compellent logical unit

Column Name	Data Type	Description
active_size_kb	Number	Active size in KiB
cpl_storage_array_id	Number	Foreign key to aps_storage_array
cpl_storage_profile_id	Number	Foreign key to aps_cpl_storage
cpl_volume_folder_id	Number	Foreign key to aps_cpl_volume_folder
health_state	Number	Health state for logical unit
last_updated	Date	last updated date

logical_unit_id	Number	Foreign key to aps_logical_unit
logical_unit_name	String	Name of the logical unit
nbr_of_replays	Number	Number of replays
operational_status	String	Operational status for logical unit
replay_profile	String	Replay profile
replay_size_kb	Number	Replay size in KiB
system_name	String	System name
total_capacity_kb	Number	Logical unit total capacity in KiB
volume_type	String	Volume type

aps_v_cpl_pdev *(Dell Compellent Views)*

Contains a single row for each Dell Compellent physical device

Column Name	Data Type	Description
actual_capacity_kb	Number	Actual capacity in KiB
bad_capacity_kb	Number	Bad capacity in KiB
capacity_kb	Number	Physical device capacity in KiB
classification	String	Classification
control_type	Number	Control type
cpl_storage_array_id	Number	Foreign key to aps_storage_array
disk_index	Number	Disk index
enclosure_position	Number	Enclosure position
free_space_kb	Number	Free space capacity in KiB
health_state	Number	Health state for physical device
last_updated	Date	last updated date
nbr_of_read_requests	Number	Number of read requests
nbr_of_write_requests	Number	Number of write requests
operational_status	String	Operational status for physical device
pdev_id	Number	Foreign key to aps_pdev
pdev_name	String	Name of the physical device

product	String	Product
read_request_kb	Number	Read request in KiB
system_name	String	System name
write_request_kb	Number	Write request in KiB

aps_v_cpl_replay *(Dell Compellent Views)*

Contains a single row for each Dell Compellent replay

Column Name	Data Type	Description
cpl_replay_id	Number	Primary key in this table
cpl_storage_array_id	Number	Foreign key to aps_storage_array
expire	Date	Expire date
freeze	Date	Freeze date
last_updated	Date	last updated date
logical_unit_id	Number	Foreign key to aps_logical_unit
replay_index	Number	Replay index
replay_name	String	Name of the replay
system_name	String	System name

aps_v_cpl_replication *(Dell Compellent Views)*

Contains a single row for each Dell Compellent replication

Column Name	Data Type	Description
amount_remaining_kb	Number	Amount remaining in KiB
async_behind_kb	Number	Async behind in KiB
copy_methodology	Number	Copy methodology
copy_state	Number	Copy state
copy_type	Number	Copy type
cpl_replication_id	Number	Primary key in this table

cpl_storage_array_id	Number	Foreign key to aps_storage_array
current_replay	String	Current replay
dst_array_name	String	Destination storage array name
dst_array_nbr	Number	Destination storage array number
dst_logical_unit_id	Number	Destination logical unit ID. Foreign key to aps_logical_unit
dst_storage_array_id	Number	Destination storage array ID. Foreign key to aps_storage_array
dst_volume_index	Number	Destination volume index
dst_volume_name	String	Destination volume name
last_restore_replay	String	Last restored replay
last_updated	Date	last updated date
percent_complete	Number	Percent completed
progress_status	Number	Progress status
replica_type	Number	Replica type
replication_index	Number	Replication index
src_array_name	String	Source storage array name
src_array_nbr	Number	Source storage array number
src_logical_unit_id	Number	Source logical unit ID. Foreign key to aps_logical_unit
src_storage_array_id	Number	Source storage array ID. Foreign key to aps_storage_array
src_volume_index	Number	Source volume index
src_volume_name	String	Source volume name
state	Number	State
state_desc	String	State description
state_message	String	State message
status_time	Date	Status time
sync_type	String	Sync type
system_name	String	System name
when_synced	Date	When synced

aps_v_cpl_server *(Dell Compellent Views)*

Contains a single row for each Dell Compellent server

Column Name	Data Type	Description
cpl_server_folder_id	Number	Foreign key to aps_cpl_server_folder
cpl_server_id	Number	Internally generated sequential ID that uniquely identifies this server in the database table.
cpl_storage_array_id	Number	Internally generated sequential ID that uniquely identifies the storage array.
display_name	String	Host name
host_id	Number	Internally generated sequential ID that uniquely identifies the host.
last_updated	Date	The date and time the Dell Compellent server data was last updated in the database.
server_folder_name	String	Server Folder name
server_index	Number	Server index
system_name	String	System name

aps_v_cpl_server_folder *(Dell Compellent Views)*

Contains a single row for each Dell Compellent server folder

Column Name	Data Type	Description
cpl_parent_server_folder_id	Number	Parent server folder ID
cpl_server_folder_id	Number	Primary key in this table
cpl_storage_array_id	Number	Foreign key to aps_storage_array
last_updated	Date	last updated date
server_folder_index	Number	Server folder index
server_folder_name	String	Server Folder name
system_name	String	System name

aps_v_cpl_server_port *(Dell Compellent Views)*

Contains a single row for each Dell Compellent server port

Column Name	Data Type	Description
cpl_server_id	Number	Internally generated sequential ID that uniquely identifies this server in the database table.
cpl_storage_array_id	Number	Internally generated sequential ID that uniquely identifies the storage array.
display_name	String	Host name
host_id	Number	Internally generated sequential ID that uniquely identifies the host.
last_updated	Date	The date and time the Dell Compellent server data was last updated in the database.
port_wwn_id	Number	Internally generated sequential ID that uniquely identifies the port.
system_name	String	System name
wwn	String	Port WWN Name

aps_v_cpl_storage_array *(Dell Compellent Views)*

Contains a single row for each Dell Compellent storage array

Column Name	Data Type	Description
cpl_storage_array_id	Number	Foreign key to aps_storage_array
free_hard_kb	Number	Free Hard size in KiB
free_soft_kb	Number	Free Soft size in KiB
health_state	Number	Health State for storage array
ip_address	String	IP address
last_updated	Date	last updated date
machine_model	String	Machine model
machine_type	String	Machine type
nbr_allocated_luns	Number	Number of allocated luns
nbr_of_controllers	Number	Number of controllers
nbr_of_hba_ports	Number	Number of hba ports

nbr_of_luns	Number	Number of luns
nbr_of_servers	Number	Number of servers
operational_status	String	Operational Status for storage array
serial_nbr	String	Serial number
storage_array_system_nbr	Number	Storage array number
system_name	String	System name
system_version	String	System version
total_free_kb	Number	Total Soft size in KiB
total_hard_kb	Number	Total Hard size in KiB

aps_v_cpl_storage_profile *(Dell Compellent Views)*

Contains a single row for each Dell Compellent storage profile

Column Name	Data Type	Description
cpl_storage_array_id	Number	Foreign key to aps_storage_array
cpl_storage_profile_id	Number	Primary key in this table
last_updated	Date	last updated date
name	String	Storage profile name
raid_type	String	Raid type
system_name	String	System name

aps_v_cpl_tier_class *(Dell Compellent Views)*

Contains a single row for each Dell Compellent tier class

Column Name	Data Type	Description
cpl_storage_array_id	Number	Foreign key to aps_storage_array
cpl_tier_class_id	Number	Primary key in this table
cpl_tier_type_id	Number	Foreign key to aps_cpl_tier_type
disk_classes	String	Disk classes

last_updated	Date	last updated date
speed_zone	String	Speed Zone
system_name	String	System name
tier_class_index	Number	Tier class index
tier_type_name	String	Tier type name
total_size_kb	Number	Total size in KiB
total_used_kb	Number	Amount used in KiB

aps_v_cpl_tier_log *(Dell Compellent Views)*

Contains a single row for each Dell Compellent tier log

Column Name	Data Type	Description
array_group_id	Number	Foreign key to aps_array_group
cpl_storage_array_id	Number	Foreign key to aps_storage_array
cpl_tier_type_id	Number	Primary key in this table
disk_classes	String	Disk classes
group_name	String	Array group name
log_date	Date	Log date
nbr_of_managed_disks	Number	Number of managed disks
nbr_of_spare_disks	Number	Number of spare disks
redundancy	Number	Redundancy
system_name	String	System name
tier_type_index	Number	Tier type index
tier_type_name	String	Tier type name
total_disk_free_kb	Number	Total available disk in KiB
total_managed_capacity_kb	Number	Total managed capacity in KiB
total_spare_capacity_kb	Number	Total spare capacity in KiB
total_volume_allocated_kb	Number	Total volume allocated in KiB

aps_v_cpl_tier_type *(Dell Compellent Views)*

Contains a single row for each Dell Compellent tier type

Column Name	Data Type	Description
array_group_id	Number	Foreign key to aps_array_group
cpl_storage_array_id	Number	Foreign key to aps_storage_array
cpl_tier_type_id	Number	Primary key in this table
disk_classes	String	Disk classes
group_name	String	Array group name
last_updated	Date	last updated date
nbr_of_managed_disks	Number	Number of managed disks
nbr_of_spare_disks	Number	Number of spare disks
redundancy	Number	Redundancy
system_name	String	System name
tier_type_index	Number	Tier Type index
tier_type_name	String	Tier type name
total_disk_free_kb	Number	Total available disk in KiB
total_managed_capacity_kb	Number	Total managed capacity in KiB
total_spare_capacity_kb	Number	Total spare capacity in KiB
total_volume_allocated_kb	Number	Total volume allocated in KiB

aps_v_cpl_volume_folder *(Dell Compellent Views)*

Contains a single row for each Dell Compellent volume folder

Column Name	Data Type	Description
cpl_parent_volume_folder_id	Number	Parent volume folder ID
cpl_storage_array_id	Number	Foreign key to aps_storage_array
cpl_volume_folder_id	Number	Primary key in this table

last_updated	Date	last updated date
name	String	Volume folder name
system_name	String	System name
volume_folder_index	Number	Volume folder index

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aps_v_isi_array_performance *(EMC Isilon Views)*

Contains a single row for each Array Performance

Column Name	Data Type	Description
array_name	String	Array name
avg_cpu_pct	Number	Average CPU usage (percent) across the cluster at collection time.
avg_disk_busy_pct	Number	Average disk busy (percent) across the cluster at collection time.
avg_disk_latency_ms	Number	Average disk latency (milliseconds) across the cluster at collection time.

avg_disk_rate_in_bps	Number	Disk rate: Average disk write performance (bytes/second) across the cluster at collection time.
avg_disk_rate_in_ops	Number	Disk rate: Average disk write performance (IOPS) across the cluster at collection time
avg_disk_rate_out_bps	Number	Disk rate: Average disk read performance (bytes/second) across the cluster at collection time.
avg_disk_rate_out_ops	Number	Disk rate: Average disk read performance (IOPS) across the cluster at collection time.
avg_idle_cpu_pct	Number	Average CPU idle (percent) across the cluster at collection time.
avg_interrupt_cpu_pct	Number	Average interrupt CPU usage (percent) across the cluster at collection time.
avg_nice_cpu_pct	Number	Average nice CPU (CPU scheduling priority) usage (percent) across the cluster at collection time.
avg_system_cpu_pct	Number	Average system CPU usage (percent) across the cluster at collection time.
avg_user_cpu_pct	Number	Average user CPU usage (percent) across the cluster at collection time.
external_network_rate_in_bps	Number	Total network rate (in bytes/second) for all external interfaces in the cluster at collection time.
external_network_rate_out_bps	Number	Total network rate out (bytes/second) for all external interfaces in the cluster at collection time.
internal_network_rate_in_bps	Number	Total network rate (in bytes/second) for all internal interfaces in the cluster at collection time.
internal_network_rate_out_bps	Number	Total network rate out (bytes/second) for all internal interfaces in the cluster at collection time.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	The date and time the samples were collected.
max_single_cpu_pct	Number	Single highest CPU usage (percent) in the cluster at collection time.
nbr_of_active_clients	Number	Total number of clients actively transferring to/from the cluster at collection time.
nbr_of_connected_clients	Number	Total number of clients connected to the cluster at collection time.

aps_v_isi_array_prf_log_day *(EMC Isilon Views)*

Contains a single row for each Array Performance Daily Log

Column Name	Data Type	Description
array_name	String	Array name
avg_cpu_pct	Number	Average CPU usage (percent) across the cluster for the day.
avg_disk_busy_pct	Number	Average disk busy (percent) across the cluster for the day.
avg_disk_latency_ms	Number	Average disk latency (milliseconds) across the cluster for the day.
avg_disk_rate_in_bps	Number	Disk rate: Average disk write performance (bytes/second) across the cluster for the day.
avg_disk_rate_in_ops	Number	Disk rate: Average disk write performance (IOPS) across the cluster for the day.
avg_disk_rate_out_bps	Number	Disk rate: Average disk read performance (bytes/second) across the cluster for the day.

avg_disk_rate_out_ops	Number	Disk rate: Average disk read performance (IOPS) for the day.
avg_idle_cpu_pct	Number	Average CPU idle (percent) across the cluster for the day.
avg_interrupt_cpu_pct	Number	Average interrupt CPU usage (percent) across the cluster for the day.
avg_nice_cpu_pct	Number	Average nice CPU (CPU scheduling priority) usage (percent) across the cluster for the day.
avg_system_cpu_pct	Number	Average system CPU usage (percent) across the cluster for the day.
avg_user_cpu_pct	Number	Average user CPU usage (percent) across the cluster for the day.
cum_interval_sec	Number	Time interval in seconds for the day for which the data was collected.
external_network_rate_in_bps	Number	Average network rate (in bytes/second) for all external interfaces in the cluster for the day.
external_network_rate_out_bps	Number	Average network rate out (bytes/second) for all external interfaces in the cluster for the day.
internal_network_rate_in_bps	Number	Average network rate (in bytes/second) for all internal interfaces in the cluster for the day.
internal_network_rate_out_bps	Number	Average network rate out (bytes/second) for all internal interfaces in the cluster for the day.
interval_type	String	Interval type of the collection.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Midnight time stamp of the day the record was aggregated for the log entry.
max_single_cpu_pct	Number	Maximum CPU usage (percent) in the cluster for the day.
nbr_of_active_clients	Number	Total number of clients actively transferring to/from the cluster at collection time.
nbr_of_connected_clients	Number	Average number of connected clients to the cluster for the day.

aps_v_isi_array_prf_log_hr *(EMC Isilon Views)*

Contains a single row for each Array Performance Hourly Log

Column Name	Data Type	Description
array_name	String	Array name
avg_cpu_pct	Number	Average CPU usage (percent) across the cluster for the hour.
avg_disk_busy_pct	Number	Average disk busy (percent) across the cluster for the hour.
avg_disk_latency_ms	Number	Average disk latency (milliseconds) across the cluster for the hour.
avg_disk_rate_in_bps	Number	Disk rate: Average disk write performance (bytes/second) across the cluster for the hour.
avg_disk_rate_in_ops	Number	Disk rate: Average disk write performance (IOPS) across the cluster for the hour.
avg_disk_rate_out_bps	Number	Disk rate: Average disk read performance (bytes/second) across the cluster for the hour.
avg_disk_rate_out_ops	Number	Disk rate: Average disk read performance (IOPS) across the cluster for the hour.

avg_idle_cpu_pct	Number	Average CPU idle (percent) across the cluster for the hour.
avg_interrupt_cpu_pct	Number	Average interrupt CPU usage (percent) across the cluster for the hour.
avg_nice_cpu_pct	Number	Average nice CPU (CPU scheduling priority) usage (percent) across the cluster for the hour.
avg_system_cpu_pct	Number	Average system CPU usage (percent) across the cluster for the hour.
avg_user_cpu_pct	Number	Average user CPU usage (percent) across the cluster for the hour.
cum_interval_sec	Number	Time interval, in seconds, for which the data was collected for the hourly array performance log.
external_network_rate_in_bps	Number	Average network rate (in bytes/second) for all external interfaces in the cluster for the hour.
external_network_rate_out_bps	Number	Average network rate out (bytes/second) for all external interfaces in the cluster for the hour.
internal_network_rate_in_bps	Number	Average network rate (in bytes/second) for all internal interfaces in the cluster for the hour.
internal_network_rate_out_bps	Number	Average network rate out (bytes/second) for all internal interfaces in the cluster for the hour.
interval_type	String	Interval type for the array performance log collection.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Hourly time stamp format (hh24:00:00) for the hour the log record was aggregated for the hourly array performance log.
max_single_cpu_pct	Number	Maximum CPU usage (percent) in the cluster for the hour.
nbr_of_active_clients	Number	Total number of clients actively transferring to/from the cluster at collection time.
nbr_of_connected_clients	Number	Total number of clients connected to the cluster at collection time.

aps_v_isi_array_prf_log_min *(EMC Isilon Views)*

Contains a single row for each Array Performance Minutes Log

Column Name	Data Type	Description
array_name	String	Array name
avg_cpu_pct	Number	Average CPU usage (percent) across the cluster at collection time.
avg_disk_busy_pct	Number	Average disk busy (percent) across the cluster at collection time.
avg_disk_latency_ms	Number	Average disk latency (milliseconds) across the cluster at collection time.
avg_disk_rate_in_bps	Number	Disk rate: Average disk write performance (bytes/second) across the cluster at collection time.
avg_disk_rate_in_ops	Number	Disk rate: Average disk write performance (IOPS) across the cluster at collection time.
avg_disk_rate_out_bps	Number	Disk rate: Average disk read performance (bytes/second) across the cluster at collection time.
avg_disk_rate_out_ops	Number	Disk rate: Average disk read performance (IOPS) across the cluster at collection time.
avg_idle_cpu_pct	Number	Average CPU idle (percent) across the cluster at collection time.

avg_interrupt_cpu_pct	Number	Average interrupt CPU usage (percent) across the cluster at collection time.
avg_nice_cpu_pct	Number	Average nice CPU (CPU scheduling priority) usage (percent) across the cluster at collection time.
avg_system_cpu_pct	Number	Average system CPU usage (percent) across the cluster at collection time.
avg_user_cpu_pct	Number	Average user CPU usage (percent) across the cluster at collection time.
cum_interval_sec	Number	Time interval, in seconds, for which the data was collected.
external_network_rate_in_bps	Number	Total network rate (in bytes/second) for all external interfaces in the cluster at collection time.
external_network_rate_out_bps	Number	Total network rate out (bytes/second) for all external interfaces in the cluster at collection time.
internal_network_rate_in_bps	Number	Total network rate (in bytes/second) for all internal interfaces in the cluster at collection time.
internal_network_rate_out_bps	Number	Total network rate out (bytes/second) for all internal interfaces in the cluster at collection time.
interval_type	String	Interval type of the collection .
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Date and time the samples were collected.
max_single_cpu_pct	Number	Single highest CPU usage (percent) in the cluster at collection time.
nbr_of_active_clients	Number	Total number of clients actively transferring to/from the cluster at collection time.
nbr_of_connected_clients	Number	Total number of clients connected to the cluster at collection time.

aps_v_isi_chassis *(EMC Isilon Views)*

Contains a single row for each Isilon Chassis

Column Name	Data Type	Description
array_name	String	Array name
chassis_model	String	The model of the chassis.
chassis_nbr	Number	Chassis number.
config_nbr	String	The chassis configuration number.
creation_date	Date	The date and time the Isilon chassis data was created in the database.
is_light_on	String	Indicaties if the unit ID light on the chassis is lit (may be NULL): Y or N.
isi_chassis_id	Number	Isilon chassis ID, for internal use by the database.
isi_node_id	Number	Node ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the Isilon chassis data was last updated in the database.

node_name	String	Node name
serial_nbr	String	The chassis serial number.

aps_v_isi_cifs_share *(EMC Isilon Views)*

Contains a single row for each Isilon CIFS Share

Column Name	Data Type	Description
array_name	String	Array name
change_notify	String	Specifies the level of change notification alerts on a share.
cifs_share_name	String	Name of the share.
cifs_share_path	String	File system path of the share.
create_permissions	String	Default permissions to apply to sub-directories and files.
creation_date	Date	The date and time the Isilon CIFS data was created in the database.
csc_policy	String	Client-side caching policy.
description	String	Configurable description of the share.
fs_root_path	String	File System root path
impersonate_guest	String	Allow guest access to the share.
impersonate_username	String	The user account to be used as a guest account.
is_browsable	String	Indicates if the share is visible in browse lists: Y or N.
is_delete_readonly_allow	String	Indicates if deletion of read-only files in the share is allowed: Y or N.
is_dot_files_hidden	String	Indicates if filenames beginning with a dot are hidden: Y or N.
is_execute_always_allow	String	Indicates if users can execute files for which they have read rights: Y or N.
is_inheritable_acl	String	Indicates if access control lists (ACLs) are inheritable: Y or N.
is_ntfs_acl_supported	String	Indicates if NT File System (NTFS) Access Control Lists (ACLs) on files and directories are supported: Y or N.
is_oplock_requests_allow	String	Indicates if opportunistic locks (oplocks) requests are supported: Y or N.
is_strict_flush	String	Indicates if server message block (SMB) flush operations are strict: Y or N.
is_strict_locking	String	Indicates if byte-range locks contend with the server message block (SMB) I/O: Y or N.
is_usage_exact	String	Whether the usage is an exact value, or an "at least" value.
isi_onefs_id	Number	OneFS ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.

isi_zone_id	Number	Zone ID, for internal use by the database.
last_updated	Date	The date and time the Isilon CIFS data was last updated in the database.
mangle_byte_start	String	Specifies the starting point for automatic invalid byte mangling.
mangle_map	String	The character mangle map.
nbr_of_files_dirs	Number	Count of files and directories of the share.
usage_with_overhead_gb	Number	Used capacity (in GB) of the share (including OneFS overheads).
usage_with_overhead_kb	Number	Used capacity (in KB) of the share (including OneFS overheads).
usage_without_overhead_gb	Number	Used capacity (in GB) of the share (not including OneFS overheads).
usage_without_overhead_kb	Number	Used capacity (in KB) of the share (not including OneFS overheads).
zone_name	String	Zone Name

aps_v_isi_cifs_share_log *(EMC Isilon Views)*

Contains a single row for each Isilon CIFS Share Log

Column Name	Data Type	Description
cifs_share_name	String	Name of the share.
isi_onefs_id	Number	OneFS ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	The date and time the Isilon CIFS Log data was created in the database.
usage_with_overhead_gb	Number	Used capacity (in GB) of the share (including OneFS overheads).
usage_with_overhead_kb	Number	Used capacity (in KB) of the share (including OneFS overheads).
usage_without_overhead_gb	Number	Used capacity (in GB) of the share (not including OneFS overheads).
usage_without_overhead_kb	Number	Used capacity (in KB) of the share (not including OneFS overheads).

aps_v_isi_disk *(EMC Isilon Views)*

Contains a single row for each Isilon Disk

Column Name	Data Type	Description
array_name	String	Array name

chassis_nbr	Number	Chassis number.
creation_date	Date	The date and time the Isilon disk data was created in the database.
disk_logical_nbr	Number	The disk logical number within the node.
disk_nbr	Number	The disk number within the node.
drive_bay_nbr	Number	Drive Bay number.
fs_free_capacity_gb	Number	Free filesystem capacity on the drive (KiB)
fs_free_capacity_kb	Number	Free file system capacity on the drive.
fs_total_capacity_gb	Number	Total filesystem capacity on the drive, including metadata (GiB)
fs_total_capacity_kb	Number	Total file system capacity on the drive, including metadata.
fs_used_capacity_gb	Number	Used filesystem capacity on the drive (GiB)
fs_used_capacity_kb	Number	Used file system capacity on the drive.
isi_chassis_id	Number	Chassis ID, for internal use by the database.
isi_drive_bay_id	Number	Drive Bay ID, for internal use by the database.
isi_node_id	Number	Node ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the Isilon disk data was last updated in the database.
node_name	String	Node name
pdev_id	Number	Isilon disk physical device ID, for internal use by the database.

aps_v_isi_disk_performance *(EMC Isilon Views)*

Contains a single row for each Disk Performance

Column Name	Data Type	Description
array_name	String	Array name
disk_busy_pct	Number	Disk busy (percent) at collection time.
disk_latency_ms	Number	Disk latency (milliseconds) at collection time.
disk_rate_in_bps	Number	Disk rate: Disk write performance (bytes/second) at collection time.
disk_rate_out_bps	Number	Disk rate: Disk read performance (bytes/second) at collection time.
drive_bay_nbr	Number	Drive Bay number.
isi_drive_bay_id	Number	Drive Bay ID, for internal use by the database.

isi_node_id	Number	Node ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Date and time the samples were collected.
node_name	String	Node name
operation_rate_in_ops	Number	Disk rate: Disk write performance (IOPS) at collection time.
operation_rate_out_ops	Number	Disk rate: Disk read performance (IOPS) at collection time.

aps_v_isi_disk_pool *(EMC Isilon Views)*

Contains a single row for each Isilon Disk Pool

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the Isilon disk pool data was created in the database.
disk_pool_name	String	Disk pool name.
disk_pool_type	String	The type of disk pool.
health_status	String	Overall health of the disk pool.
is_health_ok	String	Indicates if the node is OK: Y or N.
is_missing_drives	String	Indicates if there are drives missing from the Isilon disk pool: Y or N.
is_need_repair	String	Indicates if some Isilon nodes and/or drives need repair: Y or N.
is_offline	String	Indicates if some Isilon nodes and/or drives are down: Y or N.
is_smart_failed	String	Indicates if some Isilon nodes and/or drives are smart-failed: Y or N.
is_too_few_nodes	String	Indicates if there are too few nodes: Y or N.
isi_disk_pool_id	Number	Disk pool ID, for internal use by the database.
isi_node_pool_id	Number	Node pool ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the Isilon disk pool data was last updated in the database.
node_pool_name	String	Node pool Name.
protection_policy	String	The protection policy of the disk pool.

aps_v_isi_disk_prf_log_day *(EMC Isilon Views)*

Contains a single row for each Disk Performance Daily Log

Column Name	Data Type	Description
array_name	String	Array name
cum_interval_sec	Number	Time interval, in seconds, for the day for which the data was collected.
disk_busy_pct	Number	Average disk busy percent for the day.
disk_latency_ms	Number	Average disk latency(milliseconds) for the day.
disk_rate_in_bps	Number	Disk rate: Average disk write performance(bytes/second) for the day.
disk_rate_out_bps	Number	Disk rate: Average disk read performance(bytes/second) for the day.
drive_bay_nbr	Number	Drive Bay number.
interval_type	String	Interval type of the collection.
isi_drive_bay_id	Number	Drive Bay ID, for internal use by the database.
isi_node_id	Number	Node ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Midnight time stamp of the day the record was aggregated for.
node_name	String	Node name
operation_rate_in_ops	Number	Disk rate: Average disk write performance(IOPS) for the day.
operation_rate_out_ops	Number	Disk rate: Average disk read performance(IOPS) for the day.

aps_v_isi_disk_prf_log_hr *(EMC Isilon Views)*

Contains a single row for each Disk Performance Hourly Log

Column Name	Data Type	Description
array_name	String	Array name
cum_interval_sec	Number	Time interval in seconds for the hour for which the data was collected.
disk_busy_pct	Number	Average disk busy percent for the hour.
disk_latency_ms	Number	Average disk latency (milliseconds) for the hour.

disk_rate_in_bps	Number	Disk rate: Average disk write performance (bytes/second) for the hour.
disk_rate_out_bps	Number	Disk rate: Average disk read performance(bytes/second) for the hour.
drive_bay_nbr	Number	Drive Bay number.
interval_type	String	Interval type of the collection.
isi_drive_bay_id	Number	Drive Bay ID, for internal use by the database.
isi_node_id	Number	Node ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Hourly time stamp format (hh24:00:00) for the hour the log record was aggregated.
node_name	String	Node name
operation_rate_in_ops	Number	Disk rate: Average disk write performace (IOPS) for the hour.
operation_rate_out_ops	Number	Disk rate: Average disk read performance (IOPS) for the hour.

aps_v_isi_disk_prf_log_min *(EMC Isilon Views)*

Contains a single row for each Disk Performance Minutes Log

Column Name	Data Type	Description
array_name	String	Array name
cum_interval_sec	Number	Time interval in seconds for which the data was collected.
disk_busy_pct	Number	Disk busy (percent) at collection time.
disk_latency_ms	Number	Disk latency (milliseconds) at collection time.
disk_rate_in_bps	Number	Disk rate: Disk write performance (bytes/second) at collection time.
disk_rate_out_bps	Number	Disk rate: Disk read performance (bytes/second) at collection time.
drive_bay_nbr	Number	Drive Bay number.
interval_type	String	Interval type of the collection.
isi_drive_bay_id	Number	Drive Bay ID, for internal use by the database.
isi_node_id	Number	Node ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Date/time that the samples were collected.
node_name	String	Node name
operation_rate_in_ops	Number	Disk rate: Disk write performance (IOPS) at collection time.

operation_rate_out_ops	Number	Disk rate: Disk read performance (IOPS) at collection time.

aps_v_isi_drive_bay *(EMC Isilon Views)*

Contains a single row for each Isilon Drive Bay

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the Isilon drive bay data was created in the database.
disk_pool_name	String	Disk pool name.
drive_bay_name	String	The name of the drive bay.
drive_bay_nbr	Number	Drive Bay number.
drive_bay_status	String	The status of the drive bay or the drive in the bay (if any).
isi_disk_pool_id	Number	Disk Pool ID, for internal use by the database.
isi_drive_bay_id	Number	Unique drive bay ID, for internal use by the database.
isi_node_id	Number	Node ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the Isilon drive bay data was last updated in the database.
node_name	String	Node name

aps_v_isi_ftp *(EMC Isilon Views)*

Contains a single row for each Isilon FTP

Column Name	Data Type	Description
accept_timeout_sec	Number	Accept timeout (seconds) for FTP.
anonymous_chown_username	String	The owner of anonymously-uploaded files.
anonymous_password_list	String	List of allowed anonymous passwords for FTP.
anonymous_root_path	String	File system path for anonymous users for FTP.
anonymous_umask	String	Anonymous user file creation mask for FTP.
array_name	String	Array name

ascii_mode	String	Indicates if ASCII uploads and/or downloads are enabled for FTP: Y or N.
chroot_exception_list	String	Exceptions to the chroot local mode setting.
chroot_local_mode	String	Specifies which users are placed in a chroot jail after login.
connect_timeout_sec	Number	Connect timeout (seconds) for FTP.
creation_date	Date	The date and time the Isilon FTP data was created in the database.
data_timeout_sec	Number	Data timeout (seconds) for FTP.
denied_user_list	String	The FTP denied user list.
dir_list_names	String	Specifies what user details are shown in directory lists for FTP.
file_create_permissions	String	File creation permissions for FTP.
fs_root_path	String	File System root path
is_always_chdir_homedir	String	Indicates if changing to the home directory should always occur with FTP: Y or N.
is_anonymous_access_allow	String	Indicates if anonymous access is allowed for FTP: Y or N.
is_anonymous_upload_allow	String	Indicates if anonymous users can upload with FTP: Y or N.
is_directory_lists_allow	String	Indicates if directory listing is allowed for FTP: Y or N.
is_dirlist_use_localtime	String	Indicates if the FTP directory list uses local time: Y or N.
is_download_allow	String	Indicates if downloads are allowed for FTP: Y or N.
is_limit_anonymous_passwords	String	Indicates if anonymous passwords are limited for FTP: Y or N.
is_local_access_allow	String	Indicates if local access is allowed for FTP: Y or N.
is_server_to_server_allow	String	Indicates if server-to-server file exchange protocol (FXP) transfers are allowed: Y or N.
is_write_allow	String	Indicates if writes are allowed with FTP: Y or N.
isi_onefs_id	Number	OneFS ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the Isilon FTP data was last updated in the database.
local_umask	String	Local user file creation umask for FTP.
local_user_root_path	String	File system path for local users for FTP.
session_timeout_sec	Number	Session timeout (seconds) for FTP.
user_config_dir	String	The user configuration directory.

aps_v_isi_hdfs_rack *(EMC Isilon Views)*

Contains a single row for each Isilon HDFS rack

Column Name	Data Type	Description
address_pools	String	IP pools assigned to the rack.
array_name	String	Array name
client_addresses	String	IP addresses and address ranges of clients.
creation_date	Date	The date and time the HDFS (Hadoop Distributed File Systems) rack data was created in the database.
hdfs_rack_name	String	Name of the HDFS (Hadoop Distributed File Systems) rack.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
isi_zone_id	Number	Zone ID, for internal use by the database.
last_updated	Date	The date and time the HDFS (Hadoop Distributed File Systems) rack was last updated in the database.
zone_name	String	Zone Name

aps_v_isi_hdfs_root *(EMC Isilon Views)*

Contains a single row for each Isilon HDFS root

Column Name	Data Type	Description
array_name	String	Array name
authentication	String	Authentication method.
block_size_kb	Number	HDFS (Hadoop Distributed File Systems) block size (KiB).
creation_date	Date	The date and time the HDFS (Hadoop Distributed File Systems) root data was created in the database.
fs_root_path	String	File System root path
hdfs_root_path	String	HDFS (Hadoop Distributed File Systems) root path in the file system.
is_usage_exact	String	Whether the usage is an exact value, or an "at least" value.
is_web_hdfs_enabled	String	Whether web HDFS is enabled or not. Y/N
isi_hdfs_root_id	Number	HDFS Root ID, for internal use by the database.
isi_onefs_id	Number	OneFS ID, for internal use by the database.

isi_storage_system_id	Number	Storage system ID, for internal use by the database.
isi_zone_id	Number	Zone ID, for internal use by the database.
last_updated	Date	The date and time the HDFS (Hadoop Distributed File Systems) root was last updated in the database.
log_level	String	Logging level for HDFS (Hadoop Distributed File Systems).
nbr_of_files_dirs	Number	Count of files and directories of the rack.
nbr_of_threads	Number	Number of threads for HDFS (Hadoop Distributed File Systems) processing.
usage_with_overhead_gb	Number	Used capacity (in GB) of the rack (including OneFS overheads).
usage_with_overhead_kb	Number	Used capacity (in KB) of the rack (including OneFS overheads).
usage_without_overhead_gb	Number	Used capacity (in GB) of the rack (not including OneFS overheads).
usage_without_overhead_kb	Number	Used capacity (in KB) of the rack (not including OneFS overheads).
version_supported	String	HDFS (Hadoop Distributed File Systems) version supported.
zone_name	String	Zone Name

aps_v_isi_hdfs_root_log *(EMC Isilon Views)*

Contains a single row for each Isilon HDFS root Log

Column Name	Data Type	Description
array_name	String	Array name
hdfs_rack_name	String	Name of the HDFS (Hadoop Distributed File Systems) rack.
hdfs_root_path	String	HDFS (Hadoop Distributed File Systems) root path in the file system.
isi_hdfs_root_id	Number	HDFS Root ID, for internal use by the database.
isi_onefs_id	Number	OneFS ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	The date and time the Isilon HDFS log data was created in the database.
usage_with_overhead_gb	Number	Used capacity (in GB) of the rack (including OneFS overheads).
usage_with_overhead_kb	Number	Used capacity (in KB) of the rack (including OneFS overheads).
usage_without_overhead_gb	Number	Used capacity (in GB) of the rack (not including OneFS overheads).
usage_without_overhead_kb	Number	Used capacity (in KB) of the rack (not including OneFS overheads).

aps_v_isi_license *(EMC Isilon Views)*

Contains a single row for each Isilon License

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the Isilon license data was created in the database.
expiration_date	Date	Date and time of the Isilon license expiration; only relevant for Evaluation licenses.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the Isilon license data was last updated in the database.
license_status	String	License status: Inactive, Expired, Activated, Evaluation, or Unknown.
module_name	String	Name of the optional Isilon OneFS software module/feature.

aps_v_isi_nfs_client *(EMC Isilon Views)*

Contains a single row for each Isilon NFS Client

Column Name	Data Type	Description
array_name	String	Array name
client_access	String	Access type for the clients to the NFS export.
creation_date	Date	The date and time the Isilon NFS client data was created in the database.
isi_nfs_export_id	Number	NFS Export ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the Isilon NFS client data was last updated in the database.
nfs_client_address	String	Clients that can access this export.
nfs_export_id	Number	The NFS Export ID.

aps_v_isi_nfs_export *(EMC Isilon Views)*

Contains a single row for each Isilon NFS Export

Column Name	Data Type	Description
array_name	String	Array name
block_size_kb	Number	Size of block used for the NFS export.
creation_date	Date	The date and time the Isilon NFS export data was created in the database.
description	String	Description of the NFS export.
directory_transfer_size_gb	Number	Directory transfer size (GiB)
directory_transfer_size_kb	Number	Directory transfer size (KiB).
encoding	String	Encoding method (character set).
fs_root_path	String	File System root path
is_all_directory	String	Indicates if mounting subdirectories directly is allowed: Y or N.
is_commit_async	String	Indicates if writes are committed asynchronously: Y or N.
is_map_full	String	Indicates if full identity mapping resolution will be used for mapped users: Y or N.
is_map_lookup_uid	String	Indicates if incoming UNIX UIDs will be looked up locally: Y or N.
is_map_retry	String	Indicates if failed user-mapping lookups will be retried: Y or N.
is_read_dir_plus	String	Indicates if processing of readdir-plus requests are enabled: Y or N.
is_readonly	String	Indicates if the NFS export is read-only: Y or N.
is_return_32_bit_fields	String	Indicates if the size of file identifiers returned from readdir is limited to 32-bits: Y or N.
is_set_attr_async	String	Indicates if set-attributes operations are performed asynchronously for NFS exports: Y or N.
is_set_time_allow	String	Indicates if the time can be set independent of the cluster system time: Y or N.
is_symlink_allow	String	Indicates if support is advertised for symlinks: Y or N.
is_usage_exact	String	Whether the usage is an exact value, or an "at least" value.
isi_nfs_export_id	Number	NFS Export ID, for internal use by the database.
isi_onefs_id	Number	OneFS ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
isi_zone_id	Number	Zone ID, for internal use by the database.
last_updated	Date	The date and time the Isilon NFS export data was last updated in the database.
map_all_groups	String	The groups by which operations by any user will execute.
map_all_user	String	The identity by which operations by any user will execute.
map_root_groups	String	The groups by which operations by root will execute.
map_root_user	String	The identity by which operations by root will execute.

max_file_size_gb	Number	Maximum allowed file size on the server (GiB)
max_file_size_kb	Number	Maximum allowed file size on the server (KiB).
nbr_of_access_client_addr	Number	Number of client addresses that have access to this NFS export.
nbr_of_files_dirs	Number	Combined count of files and directories of all paths in the export.
nbr_of_nfs_export_path	Number	Number of NFS export paths in the cluster NFS export.
nbr_of_read_write_client_addr	Number	Number of client addresses that have read-write access to this NFS export.
nbr_of_readonly_client_addr	Number	Number of client addresses that have read-only access to this NFS export.
nbr_of_root_client_addr	Number	Number of client addresses that have root access to this NFS export.
nbr_of_unresolved_client_addr	Number	Number of client addresses that have access to this NFS export that is unresolved.
nfs_export_id	Number	The NFS Export ID.
read_dir_plus_prefetch	Number	The number of file nodes to prefetch when a readdir-plus request is processed.
read_transfer_max_size_gb	Number	Maximum read transfer size to report to clients (GiB)
read_transfer_max_size_kb	Number	Maximum read transfer size to report to clients (KiB).
read_transfer_multiple	Number	Suggested multiple read size to report to clients.
read_transfer_size_gb	Number	Preferred read transfer size to report to clients (GiB)
read_transfer_size_kb	Number	Preferred read transfer size to report to clients (KiB).
security_type	String	Security flavor to support for NFS exports.
time_delta	Number	Specifies host time granularity (in seconds).
total_nbr_of_client_addr	Number	Total number of client addresses in the NFS export.
usage_with_overhead_gb	Number	Combined used capacity (in GB) of all paths in the export (including OneFS overheads).
usage_with_overhead_kb	Number	Combined used capacity (in KB) of all paths in the export (including OneFS overheads).
usage_without_overhead_gb	Number	Combined used capacity (in GB) of all paths in the export (not including OneFS overheads).
usage_without_overhead_kb	Number	Combined used capacity (in KB) of all paths in the export (not including OneFS overheads).
write_datasync_action	String	Specifies the datasync write method.
write_datasync_reply	String	Specifies the datasync reply method.
write_filesync_action	String	Specifies the filesync write method.
write_filesync_reply	String	Specifies the filesync reply method.
write_transfer_max_size_gb	Number	Maximum write transfer size to report to clients (GiB)
write_transfer_max_size_kb	Number	Maximum write transfer size to report to clients (KiB).
write_transfer_mulitple	Number	Suggested multiple write size to report to clients.

write_transfer_size_gb	Number	Preferred wrote transfer size to report to clients (GiB)
write_transfer_size_kb	Number	Preferred write transfer size to report to clients (KiB).
write_unstable_action	String	Specifies the unstable write method.
write_unstable_reply	String	Specifies the unstable reply method.
zone_name	String	Zone Name

aps_v_isi_nfs_export_log *(EMC Isilon Views)*

Contains a single row for each Isilon NFS Export Log

Column Name	Data Type	Description
isi_nfs_export_id	Number	NFS Export ID, for internal use by the database.
isi_onefs_id	Number	OneFS ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	The date and time the Isilon NFS export Log data was created in the database.
nfs_export_id	Number	The NFS Export ID.
usage_with_overhead_gb	Number	Combined used capacity (in GB) of all paths in the export (including OneFS overheads).
usage_with_overhead_kb	Number	Combined used capacity (in KB) of all paths in the export (including OneFS overheads).
usage_without_overhead_gb	Number	Combined used capacity (in GB) of all paths in the export (not including OneFS overheads).
usage_without_overhead_kb	Number	Combined used capacity (in KB) of all paths in the export (not including OneFS overheads).

aps_v_isi_nfs_export_path *(EMC Isilon Views)*

Contains a single row for each Isilon NFS Export Path

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the Isilon NFS export path data was created in the database.
isi_nfs_export_id	Number	NFS Export ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the Isilon NFS export path data was last updated in the database.

nfs_export_id	Number	The NFS Export ID.
nfs_export_path	String	File system paths available via this NFS export.

aps_v_isi_node *(EMC Isilon Views)*

Contains a single row for each Isilon Node

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the Isilon node data was created in the database.
encoding	String	The default character encoding.
fs_ssd_free_capacity_gb	Number	Total SSD capacity free on the node (GiB)
fs_ssd_free_capacity_kb	Number	Total SSD capacity free on the node.
fs_ssd_total_capacity_gb	Number	Total SSD capacity on the node (GiB)
fs_ssd_total_capacity_kb	Number	Total SSD capacity on the node.
fs_ssd_used_capacity_gb	Number	Total SSD capacity used on the node (GiB)
fs_ssd_used_capacity_kb	Number	Total SSD capacity used on the node.
fs_total_capacity_gb	Number	Total filesystem capacity on the drive, including metadata (GiB)
fs_total_capacity_kb	Number	Total file system capacity on the node.
fs_total_free_capacity_gb	Number	Ttotal filesystem capacity free on the node (GiB)
fs_total_free_capacity_kb	Number	Total file system capacity free on the node.
fs_total_used_capacity_gb	Number	Total filesystem capacity used on the node (GiB)
fs_total_used_capacity_kb	Number	Total file system capacity used on the node.
health_status	String	Overall status/health of the node.
is_read_only	String	Indicates if the node is read-only: Y or N.
is_smart_failed	String	Indicates if the node is SmartFailed: Y or N.
isi_node_id	Number	Node ID, for internal use by the database.
isi_node_pool_id	Number	Node Pool ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_boot_time	Date	Time at which the node was last booted.
last_updated	Date	The date and time the Isilon node data was last updated in the database.

logical_node_nbr	Number	The logical number of the node.
memory_gb	Number	Total memory installed in the node (GiB)
memory_kb	Number	Total memory installed in the node.
nbr_of_cpus	Number	The number of CPUs in the node.
node_device_id	Number	Unique ID assigned when the node joined the cluster.
node_guid	String	Unique identifier (GUID) for the node.
node_name	String	Node name
node_pool_name	String	Node pool Name.
node_type	String	The type of Isilon node.
nvram_charge_status	String	Combined charge status for all batteries.
product_name	String	The product name.
serial_nbr	String	Serial number of the Isilon node.
up_time_sec	Number	Seconds since the node was booted.

aps_v_isi_node_interface *(EMC Isilon Views)*

Contains a single row for each Isilon Node Interface

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the Isilon node interface data was created in the database.
device_name	String	The Unix device name for the interface.
interface_iana_type	Number	The type of interface (assigned IANA value).
interface_status	String	The status of the Isilon node interface.
is_ethernet	String	Indicates if the Isilon node interface is Ethernet: Y or N.
is_infiniband	String	Indicates if the Isilon node interface is Infiniband: Y or N.
is_internal	String	Indicates if the interface is internal: Y or N.
isi_node_id	Number	Node ID, for internal use by the database.
isi_node_interface_id	Number	Node Interface ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the Isilon node interface data was last updated in the database.

mtu_octets	Number	The largest packet size (octets) for the Isilon node interface.
node_interface_name	String	Node Interface Name
node_name	String	Node name
speed_mbps	Number	Estimate of the current bandwidth (Mbps) for the Isilon node interface.

aps_v_isi_node_ip_address *(EMC Isilon Views)*

Contains a single row for each Isilon Node IP Address

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the Isilon node IP address data was created in the database.
ip_address	String	The node's IPv4 or IPv6 address.
isi_node_id	Number	Node ID, for internal use by the database.
isi_node_interface_id	Number	Node Interface ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the Isilon node IP address data was last updated in the database.
node_interface_name	String	Node Interface Name
node_name	String	Node name

aps_v_isi_node_performance *(EMC Isilon Views)*

Contains a single row for each Node Performance

Column Name	Data Type	Description
array_name	String	Array name
avg_cpu_pct	Number	Average CPU usage (percent) across the node at collection time.
avg_disk_busy_pct	Number	Average disk busy (percent) across the node at collection time.
avg_disk_latency_ms	Number	Average disk latency (milliseconds) across the node at collection time.
avg_disk_rate_in_bps	Number	Disk rate: Average disk write performance (bytes/second) across the node at collection time.
avg_disk_rate_in_ops	Number	Disk rate: Average disk write performance (IOPS) across the cluster at collection time.

avg_disk_rate_out_bps	Number	Disk rate: Average disk read performance (bytes/second) across the node at collection time.
avg_disk_rate_out_ops	Number	Disk rate: Average disk read performance (IOPS) across the cluster at collection time.
avg_idle_cpu_pct	Number	Average CPU idle (percent) across the node at collection time.
avg_interrupt_cpu_pct	Number	Average interrupt CPU usage (percent) across the node at collection time.
avg_nice_cpu_pct	Number	Average nice CPU (CPU scheduling priority) usage (percent) across the node at collection time.
avg_system_cpu_pct	Number	Average system CPU usage (percent) across the node at collection time.
avg_user_cpu_pct	Number	Average user CPU usage (percent) across the node at collection time.
external_network_rate_in_bps	Number	Total network rate (in bytes/second) for all external interfaces in the node at collection time.
external_network_rate_out_bps	Number	Total network rate out (bytes/second) for all external interfaces in the node at collection time.
fs_data_in_gb	Number	Cumulative data (GiB) written to the OneFS file system on the node since node boot.
fs_data_in_kb	Number	Cumulative data (KiB) written to the OneFS file system on the node since node boot.
fs_data_out_gb	Number	Cumulative data (GiB) read from the OneFS file system on the node since node boot.
fs_data_out_kb	Number	Cumulative data (KiB) read from the OneFS file system on the node since node boot.
fs_operation_rate_in_ops	Number	Transfer rate of writes to the OneFS file system on the node (IOPS) at collection time.
fs_operation_rate_out_ops	Number	Transfer rate of reads from the OneFS file system on the node (IOPS) at collection time.
fs_rate_in_bps	Number	Transfer rate of writes to the OneFS file system on the node (bytes/second) at collection time.
fs_rate_out_bps	Number	Transfer rate of reads from the OneFS file system on the node (bytes/second) at collection time.
internal_network_rate_in_bps	Number	Total network rate (in bytes/second) for all internal interfaces in the node at collection time.
internal_network_rate_out_bps	Number	Total network rate out (bytes/second) for all internal interfaces in the node at collection time.
isi_node_id	Number	Node ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Hourly time stamp format (hh24:00:00) for the hour the log record was aggregated.
max_cpu_pct	Number	Single highest CPU usage (percent) in the node at collection time.
memory_cache_kb	Number	Memory used for cache (KiB) on the node at collection time.
memory_free_kb	Number	Memory free (KiB) on the node at collection time.
memory_used_kb	Number	Memory used (KiB) on the node at collection time.
nbr_of_active_clients	Number	Total number of clients actively transferring to/from the node at collection time.
nbr_of_connected_clients	Number	Total number of clients connected to the node at collection time.
node_name	String	Node name
total_disk_rate_in_bps	Number	Disk rate: Total disk write performance (bytes/second) across the node at collection time.

total_disk_rate_in_ops	Number	Disk rate: Total disk write performance (IOPS) across the cluster at collection time.
total_disk_rate_out_bps	Number	Disk rate: Total disk read performance (bytes/second) across the node at collection time.
total_disk_rate_out_ops	Number	Disk rate: Total disk read performance (IOPS) across the cluster at collection time.

aps_v_isi_node_pool *(EMC Isilon Views)*

Contains a single row for each Isilon Node Pool

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the Isilon node pool data was created in the database.
health_status	String	Overall health of the Isilon node pool.
is_health_ok	String	Indicates if the Isilon node is OK: Y or N.
is_missing_drives	String	Indicates if there are drives missing from the Isilon node pool: Y or N.
is_need_repair	String	Indicates if some nodes and/or drives need repair: Y or N.
is_offline	String	Indicates if some nodes and/or drives are down: Y or N.
is_smart_failed	String	Indicates if some nodes and/or drives are smart-failed: Y or N.
is_too_few_nodes	String	Indicates if there are too few Isilon nodes available.
isi_node_pool_id	Number	Node pool ID, for internal use by the database.
isi_storage_system_id	Number	Isilon storage system ID, for internal use by the database.
isi_tier_id	Number	Isilon tier ID, for internal use by the database.
last_updated	Date	The date and time the Isilon node pool data was last updated in the database.
node_pool_name	String	Node pool Name.
tier_name	String	Tier Name

aps_v_isi_node_prf_log_day *(EMC Isilon Views)*

Contains a single row for each Node Performance Daily Log

Column Name	Data Type	Description
array_name	String	Array name

avg_cpu_pct	Number	Average CPU usage (percent) across the node for the day.
avg_disk_busy_pct	Number	Average disk busy (percent) across the node for the day.
avg_disk_latency_ms	Number	Average disk latency (milliseconds) across the node for the day.
avg_disk_rate_in_bps	Number	Disk rate: Average disk write performance (bytes/second) across the node for the day.
avg_disk_rate_in_ops	Number	Disk rate: Average disk write performance (IOPS) across the cluster for the day.
avg_disk_rate_out_bps	Number	Disk rate: Average disk read performance (bytes/second) across the node for the day.
avg_disk_rate_out_ops	Number	Disk rate: Average disk read performance (IOPS) across the cluster for the day.
avg_idle_cpu_pct	Number	Average CPU idle (percent) across the node for the day.
avg_interrupt_cpu_pct	Number	Average interrupt CPU usage (percent) across the node for the day.
avg_nice_cpu_pct	Number	Average nice CPU (CPU scheduling priority) usage (percent) across the node for the day.
avg_system_cpu_pct	Number	Average system CPU usage (percent) across the node for the day.
avg_user_cpu_pct	Number	Average user CPU usage (percent) across the node for the day.
cum_interval_sec	Number	Time interval in seconds for the day for which the data was collected.
external_network_rate_in_bps	Number	Average network rate (in bytes/second) for all external interfaces in the node for the day.
external_network_rate_out_bps	Number	Average network rate out (bytes/second) for all external interfaces in the node for the day.
fs_data_in_gb	Number	Cumulative data (GiB) written to the OneFS file system on the node for the day.
fs_data_in_kb	Number	Cumulative data (KiB) written to the OneFS file system on the node for the day.
fs_data_out_gb	Number	Cumulative data (GiB) read from the OneFS file system on the node for the day.
fs_data_out_kb	Number	Cumulative data (KiB) read from the OneFS file system on the node for the day.
fs_operation_rate_in_ops	Number	Average Transfer rate of writes to the OneFS file system on the node (IOPS) for the day.
fs_operation_rate_out_ops	Number	Average Transfer rate of reads from the OneFS file system on the node (IOPS) afor the day.
fs_rate_in_bps	Number	Average Transfer rate of writes to the OneFS file system on the node (bytes/second) for the day.
fs_rate_out_bps	Number	Average Transfer rate of reads from the OneFS file system on the node (bytes/second) for the day.
internal_network_rate_in_bps	Number	Average network rate (in bytes/second) for all internal interfaces in the node for the day.
internal_network_rate_out_bps	Number	Average network rate out (bytes/second) for all internal interfaces in the node for the day.
interval_type	String	Interval type of the collection.
isi_node_id	Number	Node ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Midnight time stamp of the day the record was aggregated for the log entry.
max_cpu_pct	Number	Maximum CPU usage (percent) in the node for the day.

memory_cache_kb	Number	Average memory used for cache (KiB) on the node for the day.
memory_free_kb	Number	Average memory free (KiB) on the node for the day.
memory_used_kb	Number	Average memory used (KiB) on the node for the day.
nbr_of_active_clients	Number	Average clients actively transferring to/from the node for the day.
nbr_of_connected_clients	Number	Average clients connected to the node for the day.
node_name	String	Node name
total_disk_rate_in_bps	Number	Disk rate: Average disk write performance (bytes/second) across the node for the day.
total_disk_rate_in_ops	Number	Disk rate: Average disk write performance (IOPS) across the cluster for the day.
total_disk_rate_out_bps	Number	Disk rate: Average disk read performance (bytes/second) across the node for the day.
total_disk_rate_out_ops	Number	Disk rate: Average disk read performance (IOPS) across the cluster for the day.

aps_v_isi_node_prf_log_hr *(EMC Isilon Views)*

Contains a single row for each Node Performance Hourly Log

Column Name	Data Type	Description
array_name	String	Array name
avg_cpu_pct	Number	Average CPU usage (percent) across the node for the hour.
avg_disk_busy_pct	Number	Average disk busy (percent) across the node for the hour.
avg_disk_latency_ms	Number	Average disk latency (milliseconds) across the node for the hour.
avg_disk_rate_in_bps	Number	Disk rate: Average disk write performance (bytes/second) across the node for the hour.
avg_disk_rate_in_ops	Number	Disk rate: Average disk write performance (IOPS) across the cluster for the hour.
avg_disk_rate_out_bps	Number	Disk rate: Average disk read performance (bytes/second) across the node for the hour.
avg_disk_rate_out_ops	Number	Disk rate: Average disk read performance (IOPS) across the cluster for the hour.
avg_idle_cpu_pct	Number	Average CPU idle (percent) across the node for the hour.
avg_interrupt_cpu_pct	Number	Average interrupt CPU usage (percent) across the node for the hour.
avg_nice_cpu_pct	Number	Average nice CPU (CPU scheduling priority) usage (percent) across the node for the hour.
avg_system_cpu_pct	Number	Average system CPU usage (percent) across the node for the hour.
avg_user_cpu_pct	Number	Average user CPU usage (percent) across the node for the hour.
cum_interval_sec	Number	Time interval in seconds for the day for which the data was collected.
external_network_rate_in_bps	Number	Average network rate (in bytes/second) for all external interfaces in the node for the hour.

external_network_rate_out_bps	Number	Average network rate out (bytes/second) for all external interfaces in the node for the hour.
fs_data_in_gb	Number	Average rate of writes to the OneFS file system on the node (bytes/second) for the hour.
fs_data_in_kb	Number	Cumulative data (KiB) written to the OneFS file system on the node since node boot.
fs_data_out_gb	Number	Cumulative data (GiB) read from the OneFS file system on the node for the hour.
fs_data_out_kb	Number	Average rate of reads from the OneFS file system on the node (bytes/second) for the hour.
fs_operation_rate_in_ops	Number	Average rate of writes to the OneFS file system on the node (IOPS) for the hour.
fs_operation_rate_out_ops	Number	Average rate of reads from the OneFS file system on the node (IOPS) for the hour.
fs_rate_in_bps	Number	Average rate of writes to the OneFS file system on the node (bytes/second) for the hour.
fs_rate_out_bps	Number	Average rate of reads from the OneFS file system on the node (bytes/second) for the hour.
internal_network_rate_in_bps	Number	Average network rate (in bytes/second) for all internal interfaces in the node for the hour.
internal_network_rate_out_bps	Number	Average network rate out (bytes/second) for all internal interfaces in the node for the hour.
interval_type	String	Interval type of the collection.
isi_node_id	Number	Node ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Hourly time stamp format (hh24:00:00) for the hour the log record was aggregated.
max_cpu_pct	Number	Maximum CPU usage (percent) in the node for the hour.
memory_cache_kb	Number	Memory used for cache (KiB) on the node for the hour.
memory_free_kb	Number	Average memory free (KiB) on the node for the hour.
memory_used_kb	Number	Average memory used (KiB) on the node for the hour.
nbr_of_active_clients	Number	Average number of clients actively transferring to/from the node for the hour.
nbr_of_connected_clients	Number	Average number of clients connected to the node for the hour.
node_name	String	Node name
total_disk_rate_in_bps	Number	Disk rate: Average disk write performance (bytes/second) across the node for the hour.
total_disk_rate_in_ops	Number	Disk rate: Average disk write performance (IOPS) across the cluster for the hour.
total_disk_rate_out_bps	Number	Disk rate: Average disk read performance (bytes/second) across the node for the hour.
total_disk_rate_out_ops	Number	Disk rate: Average disk read performance (IOPS) across the cluster for the hour.

aps_v_isi_node_prf_log_min *(EMC Isilon Views)*

Contains a single row for each Node Performance Minutes Log

Column Name	Data Type	Description
array_name	String	Array name
avg_cpu_pct	Number	Average CPU usage (percent) across the node at collection time.
avg_disk_busy_pct	Number	Average disk busy (percent) across the node at collection time.
avg_disk_latency_ms	Number	Average disk latency (milliseconds) across the node at collection time.
avg_disk_rate_in_bps	Number	Disk rate: Average disk write performance (bytes/second) across the node at collection time.
avg_disk_rate_in_ops	Number	Disk rate: Average disk write performance (IOPS) across the cluster at collection time.
avg_disk_rate_out_bps	Number	Disk rate: Average disk read performance (bytes/second) across the node at collection time.
avg_disk_rate_out_ops	Number	Disk rate: Average disk read performance (IOPS) across the cluster at collection time.
avg_idle_cpu_pct	Number	Average CPU idle (percent) across the node at collection time.
avg_interrupt_cpu_pct	Number	Average interrupt CPU usage (percent) across the node at collection time.
avg_nice_cpu_pct	Number	Average nice CPU (CPU scheduling priority) usage (percent) across the node at collection time.
avg_system_cpu_pct	Number	Average system CPU usage (percent) across the node at collection time.
avg_user_cpu_pct	Number	Average user CPU usage (percent) across the node at collection time.
cum_interval_sec	Number	Time interval in seconds for the day for which the data was collected.
external_network_rate_in_bps	Number	Total network rate (in bytes/second) for all external interfaces in the node at collection time.
external_network_rate_out_bps	Number	Total network rate out (bytes/second) for all external interfaces in the node at collection time.
fs_data_in_gb	Number	Cumulative data (GiB) written to the OneFS file system on the node since node boot.
fs_data_in_kb	Number	Cumulative data (KiB)written to the OneFS file system on the node since node boot.
fs_data_out_gb	Number	Cumulative data (GiB) read from the OneFS file system on the node since node boot.
fs_data_out_kb	Number	Cumulative data (KiB) read from the OneFS file system on the node since node boot.
fs_operation_rate_in_ops	Number	Transfer rate of writes to the OneFS file system on the node (IOPS) at collection time.
fs_operation_rate_out_ops	Number	Transfer rate of reads from the OneFS file system on the node (IOPS) at collection time.
fs_rate_in_bps	Number	Transfer rate of writes to the OneFS file system on the node (bytes/second) at collection time.
fs_rate_out_bps	Number	Transfer rate of reads from the OneFS file system on the node (bytes/second) at collection time.
internal_network_rate_in_bps	Number	Total network rate (in bytes/second) for all internal interfaces in the node at collection time.
internal_network_rate_out_bps	Number	Total network rate out (bytes/second) for all internal interfaces in the node at collection time.
interval_type	String	Interval type of the collection.
isi_node_id	Number	Node ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.

log_date	Date	Date/time that the samples were collected.
max_cpu_pct	Number	Single highest CPU usage (percent) in the node at collection time.
memory_cache_kb	Number	Memory used for cache (KiB) on the node at collection time.
memory_free_kb	Number	Memory free (KiB) on the node at collection time.
memory_used_kb	Number	Memory used (KiB) on the node at collection time.
nbr_of_active_clients	Number	Total number of clients actively transferring to/from the node at collection time.
nbr_of_connected_clients	Number	Total number of clients connected to the node at collection time.
node_name	String	Node name
total_disk_rate_in_bps	Number	Disk rate: Total disk write performance (bytes/second) across the node at collection time.
total_disk_rate_in_ops	Number	Disk rate: Total disk write performance (IOPS) across the cluster at collection time.
total_disk_rate_out_bps	Number	Disk rate: Total disk read performance (bytes/second) across the node at collection time.
total_disk_rate_out_ops	Number	Disk rate: Total disk read performance (IOPS) across the cluster at collection time.

aps_v_isi_onefs *(EMC Isilon Views)*

Contains a single row for each Isilon OneFs File system

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the Isilon OneFS file system data was created in the database.
fs_available_capacity_gb	Number	Available filesystem capacity (GiB)
fs_available_capacity_kb	Number	Available OneFS file system capacity.
fs_block_size_kb	Number	The size of blocks allocated in the OneFS file system.
fs_capacity_incl_spare_gb	Number	Total filesystem capacity (GiB)
fs_capacity_incl_spare_kb	Number	Total OneFS file system capacity.
fs_disk_reserved_capacity_gb	Number	Capacity reserved per disk (GiB)
fs_disk_reserved_capacity_kb	Number	Capacity reserved per disk (OneFS).
fs_hot_spare_capacity_gb	Number	Virtual Hot Spare reserved (GiB)
fs_hot_spare_capacity_kb	Number	Virtual Hot Spare reserved (OneFS).
fs_root_path	String	File System root path
fs_ssd_free_capacity_gb	Number	Total SSD capacity free on the node (GiB)

fs_ssd_free_capacity_kb	Number	Free SSD capacity (OneFS).
fs_ssd_total_capacity_gb	Number	Total SSD capacity on the node (GiB)
fs_ssd_total_capacity_kb	Number	Total SSD capacity (OneFS).
fs_ssd_used_capacity_gb	Number	Total SSD capacity used on the node (GiB)
fs_ssd_used_capacity_kb	Number	Used SSD capacity (OneFS).
fs_usable_capacity_gb	Number	Total usable filesystem capacity (GiB)
fs_usable_capacity_kb	Number	Total usable OneFS file system capacity.
fs_used_capacity_gb	Number	Used filesystem capacity on the drive (GiB)
fs_used_capacity_kb	Number	Used OneFS file system capacity.
isi_onefs_id	Number	ID for the Isilon OneFS distributed file system, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the Isilon OneFS file system data was last updated in the database.

aps_v_isi_onefs_performance *(EMC Isilon Views)*

Contains a single row for each Onefs File System Performance

Column Name	Data Type	Description
array_name	String	Array name
fs_data_in_gb	Number	Cumulative data (GiB) written to the OneFS file system.
fs_data_in_kb	Number	Cumulative data (KiB) written to the OneFS file system.
fs_data_out_gb	Number	Cumulative data (GiB) read from the OneFS file system.
fs_data_out_kb	Number	Cumulative data (KiB) read from the OneFS file system.
fs_rate_in_bps	Number	Transfer rate of writes to the OneFS file system (bytes/second) at collection time.
fs_rate_out_bps	Number	Transfer rate of reads from the OneFS file system (bytes/second) at collection time.
isi_onefs_id	Number	OneFS ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Date/time that the samples were collected.

aps_v_isi_onefs_prf_log_day *(EMC Isilon Views)*

Contains a single row for each Onefs File System Performance Daily Log

Column Name	Data Type	Description
array_name	String	Array name
cum_interval_sec	Number	Time interval in seconds for the day for which the data was collected.
fs_data_in_gb	Number	Cumulative data (GiB) written to the OneFS file system for the day.
fs_data_in_kb	Number	Cumulative data (KiB) written to the OneFS file system for the day.
fs_data_out_gb	Number	Cumulative data (GiB) read from the OneFS file system for the day.
fs_data_out_kb	Number	Cumulative data (KiB) read from the OneFS file system for the day.
fs_rate_in_bps	Number	Average rate of writes to the OneFS file system (bytes/second) for the day.
fs_rate_out_bps	Number	Average rate of reads from the OneFS file system (bytes/second) for the day.
interval_type	String	Interval type of the collection.
isi_onefs_id	Number	OneFS ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Midnight time stamp of the day the record was aggregated for.

aps_v_isi_onefs_prf_log_hr *(EMC Isilon Views)*

Contains a single row for each Onefs File System Performance Hourly Log

Column Name	Data Type	Description
array_name	String	Array name
cum_interval_sec	Number	Time interval in seconds for the day for which the data was collected.
fs_data_in_gb	Number	Cumulative data (GiB) written to the OneFS file system for the hour.
fs_data_in_kb	Number	Cumulative data (KiB) written to the OneFS file system for the hour.
fs_data_out_gb	Number	Cumulative data (GiB) read from the OneFS file system for the hour.
fs_data_out_kb	Number	Cumulative data (KiB) read from the OneFS file system for the hour.
fs_rate_in_bps	Number	Average rate of writes to the OneFS file system (bytes/second) for the hour.

fs_rate_out_bps	Number	Average rate of reads from the OneFS file system (bytes/second) for the hour.
interval_type	String	Interval type of the collection.
isi_onefs_id	Number	OneFS ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Hourly time stamp format (hh24:00:00) for the hour the log record was aggregated.

aps_v_isi_onefs_prf_log_min *(EMC Isilon Views)*

Cntains a single row for each Onefs File System Performance Minutes Log

Column Name	Data Type	Description
array_name	String	Array name
cum_interval_sec	Number	Time interval in seconds for the day for which the data was collected.
fs_data_in_gb	Number	Cumulative data (GiB) written to the OneFS file system.
fs_data_in_kb	Number	Cumulative data (KiB) written to the OneFS file system.
fs_data_out_gb	Number	Cumulative data (GiB) read from the OneFS file system.
fs_data_out_kb	Number	Cumulative data (KiB) read from the OneFS file system.
fs_rate_in_bps	Number	Transfer rate of writes to the OneFS file system (bytes/second) at collection time.
fs_rate_out_bps	Number	Transfer rate of reads from the OneFS file system (bytes/second) at collection time.
interval_type	String	Interval type of the collection.
isi_onefs_id	Number	OneFS ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Date/time that the samples were collected.

aps_v_isi_protocol_client *(EMC Isilon Views)*

Contains a single row for each Isilon Protocol Client

Column Name	Data Type	Description
array_name	String	Array name
client_address	String	Address of the client.

creation_date	Date	The date and time the Isilon protocol data was created in the database.
isi_node_id	Number	Node ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the Isilon protocol data was last updated in the database.
node_name	String	Node name
protocol_name	String	Name of the protocol for the client.

aps_v_isi_protocol_performance *(EMC Isilon Views)*

Contains a single row for each Protocol Performance

Column Name	Data Type	Description
array_name	String	Array name
avg_latency_ms	Number	The average latency in (milliseconds) for all operations for the protocol on this node.
avg_operation_size_in_byte	Number	The average input size (bytes) of all operations for the protocol on this node.
avg_ops_size_out_byte	Number	The average output size (bytes) of all operations for the protocol on this node.
isi_node_id	Number	Node ID, for internal use by the database.
isi_protocol_id	Number	Protocol ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Date/time that the samples were collected.
max_latency_ms	Number	The maximum latency in (milliseconds) for all operations for the protocol on this node.
max_operation_size_in_byte	Number	The largest input size (bytes) of all operations for the protocol on this node.
max_ops_size_out_byte	Number	The largest output size (bytes) of all operations for the protocol on this node.
min_latency_ms	Number	The minimum latency (milliseconds) for all operations for the protocol on this node.
min_operation_size_in_byte	Number	The smallest input size (bytes) of all operations for the protocol on this node.
min_ops_size_out_byte	Number	The smallest output size (bytes) of all operations for the protocol on this node.
nbr_of_active_clients	Number	Number of clients actively transferring to/from the node via this protocol at collection time.
nbr_of_connected_clients	Number	Number of clients connected to the node via this protocol at collection time.
node_name	String	Node name
operation_rate_ops	Number	Transfer rate (IOPS) for this protocol on this node at collection time.
protocol_name	String	Protocol to which this performance data belongs.

transfer_rate_in_bps	Number	Transfer rate (in bytes/second) for this protocol on this node at collection time.
transfer_rate_out_bps	Number	Transfer rate out (bytes/second) for this protocol on this node at collection time.

aps_v_isi_protocol_prf_log_day *(EMC Isilon Views)*

ontains a single row for each Protocol Performance Daily Log

Column Name	Data Type	Description
array_name	String	Array name
avg_latency_ms	Number	Average latency in (milliseconds) for all operations for the protocol on this node for the day.
avg_operation_size_in_byte	Number	Average input size (bytes) of all operations for the protocol on this node for the day.
avg_ops_size_out_byte	Number	Average output size (bytes) of all operations for the protocol on this node for the day.
cum_interval_sec	Number	Time interval in seconds for the day for which the data was collected.
interval_type	String	Interval type of the collection.
isi_node_id	Number	Node ID, for internal use by the database.
isi_protocol_id	Number	Protocol ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Midnight time stamp of the day the record was aggregated for.
max_latency_ms	Number	Maximum latency in (milliseconds) for all operations for the protocol on this node for the day.
max_operation_size_in_byte	Number	Maximum input size (bytes) of all operations for the protocol on this node for the day.
max_ops_size_out_byte	Number	Maximum output size (bytes) of all operations for the protocol on this node for the day.
min_latency_ms	Number	Minimum latency (milliseconds) for all operations for the protocol on this node for the day.
min_operation_size_in_byte	Number	Minimum input size (bytes) of all operations for the protocol on this node for the day.
min_ops_size_out_byte	Number	Minimum output size (bytes) of all operations for the protocol on this node for the day.
nbr_of_active_clients	Number	Average number of clients actively transferring to/from the node via this protocol for the day.
nbr_of_connected_clients	Number	Average number of clients connected to the node via this protocol for the day.
node_name	String	Node name
operation_rate_ops	Number	Average transfer rate (IOPS) for this protocol on this node for the day.
protocol_name	String	Protocol to which this performance data belongs.
transfer_rate_in_bps	Number	Average transfer rate (in bytes/second) for this protocol on this node for the day.
transfer_rate_out_bps	Number	Average transfer rate out (bytes/second) for this protocol on this node for the day.

aps_v_isi_protocol_prf_log_hr *(EMC Isilon Views)*

Contains a single row for each Protocol Performance Hourly Log

Column Name	Data Type	Description
array_name	String	Array name
avg_latency_ms	Number	Average latency in (milliseconds) for all operations for the protocol on this node for the day.
avg_operation_size_in_byte	Number	Average input size (bytes) of all operations for the protocol on this node for the day.
avg_ops_size_out_byte	Number	Average output size (bytes) of all operations for the protocol on this node for the day.
cum_interval_sec	Number	Time interval, in seconds, for which the data was collected.
interval_type	String	Interval type of the collection.
isi_node_id	Number	Node ID, for internal use by the database.
isi_protocol_id	Number	Protocol ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Hourly time stamp format (hh24:00:00) for the hour the log record was aggregated.
max_latency_ms	Number	Maximum latency in (milliseconds) for all operations for the protocol on this node for the day.
max_operation_size_in_byte	Number	Maximum input size (bytes) of all operations for the protocol on this node for the day.
max_ops_size_out_byte	Number	Maximum output size (bytes) of all operations for the protocol on this node for the day.
min_latency_ms	Number	Minimum latency (milliseconds) for all operations for the protocol on this node for the day.
min_operation_size_in_byte	Number	Minimum input size (bytes) of all operations for the protocol on this node for the day.
min_ops_size_out_byte	Number	Minimum output size (bytes) of all operations for the protocol on this node for the day.
nbr_of_active_clients	Number	Average number of clients actively transferring to/from the node via this protocol for the day.
nbr_of_connected_clients	Number	Average number of clients connected to the node via this protocol for the day.
node_name	String	Node name
operation_rate_ops	Number	Average transfer rate (IOPS) for this protocol on this node for the day.
protocol_name	String	Protocol to which this performance data belongs.
transfer_rate_in_bps	Number	Average transfer rate (in bytes/second) for this protocol on this node for the day.
transfer_rate_out_bps	Number	Average transfer rate out (bytes/second) for this protocol on this node for the day.

aps_v_isi_protocol_prf_log_min *(EMC Isilon Views)*

Contains a single row for each Protocol Performance Minutes Log

Column Name	Data Type	Description
array_name	String	Array name
avg_latency_ms	Number	The average latency in (milliseconds) for all operations for the protocol on this node.
avg_operation_size_in_byte	Number	The average input size (bytes) of all operations for the protocol on this node.
avg_ops_size_out_byte	Number	The average output size (bytes) of all operations for the protocol on this node.
cum_interval_sec	Number	Time interval, in seconds, for which the Isilon protocol performance data was collected.
interval_type	String	Interval type of the protocol performance collection.
isi_node_id	Number	Node ID, for internal use by the database.
isi_protocol_id	Number	Protocol ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	Date and time the Isilon protocol performance samples were collected.
max_latency_ms	Number	The maximum latency in (milliseconds) for all operations for the protocol on this node.
max_operation_size_in_byte	Number	The largest input size (bytes) of all operations for the protocol on this node.
max_ops_size_out_byte	Number	The largest output size (bytes) of all operations for the protocol on this node.
min_latency_ms	Number	The minimum latency (milliseconds) for all operations for the protocol on this node.
min_operation_size_in_byte	Number	The smallest input size (bytes) of all operations for the protocol on this node.
min_ops_size_out_byte	Number	The smallest output size (bytes) of all operations for the protocol on this node.
nbr_of_active_clients	Number	Number of clients actively transferring to/from the node via this protocol at collection time.
nbr_of_connected_clients	Number	Number of clients connected to the node via this protocol at collection time.
node_name	String	Node name
operation_rate_ops	Number	Transfer rate (IOPS) for this protocol on this node at collection time.
protocol_name	String	Protocol to which this performance data belongs.
transfer_rate_in_bps	Number	Transfer rate (in bytes/second) for this protocol on this node at collection time.
transfer_rate_out_bps	Number	Transfer rate out (bytes/second) for this protocol on this node at collection time.

aps_v_isi_quota *(EMC Isilon Views)*

Contains a single row for each Isilon Quota

Column Name	Data Type	Description
advisory_threshold_kb	Number	The advisory threshold (in KB).
array_name	String	Array name
creation_date	Date	The date and time the Isilon Quota data was created in the database.
fs_root_path	String	File System root path
grace_period_sec	Number	The soft threshold grace period (in seconds).
hard_threshold_kb	Number	The hard threshold (in KB).
is_container	String	Whether the hard threshold is shown as the capacity of a CIFS share using this quota.
is_enforced	String	Whether the quota is an enforced quota (true) or an accounting quota (false).
is_include_overhead	String	Whether filesystem overheads are counted against the thresholds.
is_include_snap_usage	String	Whether snapshots are counted against the thresholds.
is_linked	String	Whether a user or group quota is linked to the default-user/default-group quota for the path.
isi_onefs_id	Number	OneFS ID, for internal use by the database.
isi_quota_id	Number	Quota ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the Isilon Quota data was last updated in the database.
nbr_of_files_dirs	Number	The number of files and/or directories under the quota path.
quota_path	String	The path that the quota applies to.
soft_threshold_kb	Number	The soft threshold (in KB).
type_id	Number	Quota type ID
type_name	String	Quota type name
usage_with_overhead_gb	Number	The used capacity, including filesystem overheads (in GB).
usage_with_overhead_kb	Number	The used capacity, including filesystem overheads (in KB).
usage_without_overhead_gb	Number	The used capacity, not including filesystem overheads (in GB).
usage_without_overhead_kb	Number	The used capacity, not including filesystem overheads (in KB).
user_group_id	Number	The UID or GID that the quota applies to.

user_group_name	String	The user or group name that the quota applies to.

aps_v_isi_snapshot *(EMC Isilon Views)*

Contains a single row for each Isilon Snapshot

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	Day and time the snapshot was created.
fs_root_path	String	File System root path
fs_used_pct	Number	Percentage of the file system that the snapshot occupies.
is_snapshot_locked	String	Indicates if the snapshot has any locks: Y or N.
isi_onefs_id	Number	OneFS ID, for internal use by the database.
isi_snapshot_schedule_id	Number	Snapshot Schedule ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the Isilon snapshot data was last updated in the database.
reserved_used_pct	Number	Percentage of the snapshot reserve that the snapshot occupies.
schedule_name	String	Schedule Name
schedule_when	String	When snapshots will be taken
snapshot_alias	String	Alias for the snapshot.
snapshot_creation_date	Date	The date and time the snapshot was created.
snapshot_expiration_date	Date	The date and time the snapshot will expire.
snapshot_id	Number	Snapshot ID, for internal use by the database.
snapshot_name	String	Isilon snapshot name.
snapshot_path	String	Fully qualified path name that was the source of the snapshot.
snapshot_shadow_gb	Number	The amount of data referenced from shadow stored (GiB)
snapshot_shadow_kb	Number	Amount of data that the snapshot references from shadow stores (cloned files).
snapshot_size_gb	Number	The size of the snapshot (GiB)
snapshot_size_kb	Number	The size of the snapshot (KiB).
snapshot_state	String	The state of the snapshot.

aps_v_isi_snapshot_schedule *(EMC Isilon Views)*

Contains a single row for each Isilon Snapshot Schedule

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the Isilon snapshot data was created in the database.
isi_snapshot_schedule_id	Number	Snapshot Schedule ID, for internal use by the database.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the Isilon snapshot data was last updated in the database.
schedule_alias	String	Alias for the latest snapshot generated by the schedule.
schedule_expire	String	When snapshots will expire (duration or date).
schedule_index	Number	The snapshot schedule index.
schedule_name	String	Schedule Name
schedule_path	String	The path that will be used by the schedule for the snapshot.
schedule_when	String	When snapshots will be taken

aps_v_isi_storage_system *(EMC Isilon Views)*

Contains a single row for each Isilon Storage System

Column Name	Data Type	Description
array_name	String	Array name
build_version	String	The build version string for the cluster.
creation_date	Date	The date and time the Isilon storage system data was created in the database.
health_status	String	Overall status/health of the cluster.
is_root_access_cifs	String	Indicates if snapshot directories are accessible via CIFS: Y or N.
is_root_access_local	String	Indicates if snapshot directories are accessible via the local file system: Y or N.
is_root_access_nfs	String	Indicates if snapshot directories are accessible via NFS: Y or N.
is_root_visible_cifs	String	Indicates if snapshot directories are visible via CIFS: Y or N.

is_root_visible_local	String	Indicates if snapshot directories are visible in the local file system: Y or N.
is_root_visible_nfs	String	Indicates if snapshot directories are visible via NFS: Y or N.
is_schedule_creation_enabled	String	Indicates if scheduled snapshot creation is enabled: Y or N.
is_schedule_deletion_enabled	String	Indicates if scheduled snapshot deletion is enabled: Y or N.
is_subdir_access_cifs	String	Indicates if snapshot subdirectories are accessible via CIFS: Y or N.
is_subdir_access_local	String	Indicates if snapshot subdirectories are accessible via the local file system: Y or N.
is_subdir_access_nfs	String	Indicates if snapshot subdirectories are accessible via NFS: Y or N.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the Isilon storage system data was last updated in the database.
nbr_of_chassis	Number	Number of chassis associated with the cluster.
nbr_of_cifs_shares	Number	Number of CIFS Shares associated with the cluster.
nbr_of_cpus	Number	# CPUs across the entire cluster.
nbr_of_drive_bays	Number	Number of drive bays associated with the cluster.
nbr_of_ftps	Number	Number of FTP associated with the cluster.
nbr_of_hdfs_rack	Number	Number of HDFS (Hadoop Distributed File Systems) rack associated with the cluster.
nbr_of_hdfs_root	Number	Number of HDFS (Hadoop Distributed File Systems) root associated with the cluster.
nbr_of_nfs_exports	Number	Number of NFS Exports associated with the cluster.
nbr_of_nodes	Number	Number of nodes associated with the cluster.
nbr_of_snapshots	Number	Number of snapshots associated with the cluster.
nbr_of_zones	Number	Number of Zones associated with the cluster.
os_type	String	The cluster operating system name.
snapshot_reserved_pct	Number	Percentage of the file system reserved for snapshots.
snapshot_used_gb	Number	Number of snapshot used in the cluster (GiB)
snapshot_used_kb	Number	Number of snapshots used in the cluster.

aps_v_isi_tier *(EMC Isilon Views)*

Contains a single row for each Isilon Tier

Column Name	Data Type	Description
array_name	String	Array name

creation_date	Date	The date and time the Isilon tier data was created in the database.
isi_storage_system_id	Number	Isilon storage system ID, for internal use by the database.
isi_tier_id	Number	Tier ID, for internal use by the database.
last_updated	Date	The date and time the Isilon tier data was last updated in the database.
tier_name	String	Tier Name

aps_v_isi_zone *(EMC Isilon Views)*

Contains a single row for each Isilon Zone

Column Name	Data Type	Description
array_name	String	Array name
cache_size_kb	Number	Cache Size (in KB).
creation_date	Date	The date and time the Isilon Zone data was created in the database.
is_usage_exact	String	Whether the usage is an exact value, or an "at least" value.
isi_storage_system_id	Number	Storage system ID, for internal use by the database.
isi_zone_id	Number	Zone ID, for internal use by the database.
last_updated	Date	The date and time the Isilon Zone data was last updated in the database.
nbr_of_files_dirs	Number	The number of files and/or directories under the quota path.
usage_with_overhead_gb	Number	The used capacity, including filesystem overheads (in GB).
usage_with_overhead_kb	Number	The used capacity, including filesystem overheads (in KB).
usage_without_overhead_gb	Number	The used capacity, not including filesystem overheads (in GB).
usage_without_overhead_kb	Number	The used capacity, not including filesystem overheads (in KB).
zone_id	Number	Isilon-specified Zone ID.
zone_name	String	Zone Name
zone_path	String	Zone Path

EMC Symmetrix Views (Go to Top)

aps_v_emc_sym_array_group
aps_v_emc_sym_fast_policy
aps_v_emc_sym_logical_unit
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aps_v_emc_sym_port
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aps_v_emc_sym_storage_grp
aps_v_emc_sym_storage_path
aps_v_emc_sym_storage_pool
aps_v_emc_sym_storage_pool_log
aps_v_emc_sym_tier

aps_v_emc_sym_array_group *(EMC Symmetrix Views)*

Contains a single row for each EMC Symmetrix array group.

Column Name	Data Type	Description
allocated_capacity_gb	Number	Allocated configured capacity in GiB
array_group_id	Number	foreign key to array group(RAID group) details
array_name	String	Array name
chassis_nbr	Number	Chassis Number
emc_sym_srp_id	Number	foreign key to EMC Symmetrix SRP details
emc_sym_tier_id	Number	foreign key to EMC symmetrix tier details
free_capacity_gb	Number	Free configured capacity in GiB
group_name	String	Name of the server group
group_nbr	Number	Group Number
is_external	String	Whether the Array Group is external or not
last_updated	Date	Last updated date
object_id	String	unique internal identifier for the array group
overhead_gb	Number	Overhead in GiB
raid_type	String	RAID type of used by the volume: possible values disk - non raided else RAID1,RAID2...RAID5 etc.
srp_name	String	EMC Symmetrix SRP name
storage_array_id	Number	foreign key to storage array details
tier_name	String	tier name
total_capacity_gb	Number	Total configured capacity in GiB
usable_capacity_gb	Number	Usable capacity after RAID overhead

usable_free_capacity_gb	Number	usable free capacity in GiB
usable_used_capacity_gb	Number	usable used capacity in GiB

aps_v_emc_sym_fast_policy *(EMC Symmetrix Views)*

Contains a single row for each EMC Symmetrix FAST policy.

Column Name	Data Type	Description
array_name	String	array name
emc_sym_fast_policy_id	Number	System generated identifier for the FAST policy. Primary key in this view.
emulation_type	String	Emulation type
fast_policy_name	String	FAST policy name
last_updated	Date	Last updated date
storage_array_id	Number	foreign key to storage array details

aps_v_emc_sym_logical_unit *(EMC Symmetrix Views)*

Contains a single row for each EMC Symmetrix logical unit.

Column Name	Data Type	Description
allocated_capacity_gb	Number	allocated capacity in GiB
allocated_capacity_kb	Number	allocated capacity in KiB
array_family	String	array family
array_group_id	Number	foreign key to array group(RAID group) details
array_name	String	array name
bcv_device_assoc_cg_name	String	BCV device associated CG name
bcv_device_assoc_grp_name	String	BCV device associated group name
bcv_device_status	String	BCV device status
bcv_last_action_date	Date	BCV last action date
bcv_mirror_state	String	BCV mirror state
bcv_pair_state	String	BCV pair state

bcv_split_pct	Number	BCV split in percentage
clone_parent_logical_unit_id	Number	Clone Parent logical unit id. Foreign key to logical unit details
clone_state	String	Clone state defines the type of copy option used when creating clones. Possible values: Precopy = copy will start immediately and won't wait for activate to be run. Copy = copying blocks from source to target, LUNs get copied in the background as soon as they are activated. Copied = copy completed.
device_group_name	String	device group name
device_rdf_state	String	device RDF state
device_rdf_status	String	device RDF status
device_state	String	device state
device_wwn	String	device WWN
emc_rdf_group_id	Number	foreign key to emc rdf group details
emc_sym_srp_id	Number	foreign key to EMC Symmetrix SRP details
emc_sym_storage_pool_id	Number	foreign key to EMC Symmetrix storage pool details
emulation_type	String	Device Emulation Type - whether FB or CKD.
free_capacity_gb	Number	free capacity in GiB
free_capacity_kb	Number	free capacity in KiB
group_name	String	array group name in which this LUN resides
is_bound	String	Y=Yes, N=No. The device is bound or not.
is_mapped	String	Y=Yes, N=No. The device is mapped to front end ports or not.
is_mapped_not_masked	String	Y=Yes, N=No. The device is mapped to front end ports but not masked to a host or not.
is_synchronized	String	Y=Yes, N=No. The device is synchronized or not.
last_updated	Date	Last updated date
logical_unit_id	Number	foreign key to logical unit details
logical_unit_name	String	logical unit name
lun_type	String	Lun type
nbr_allocated_luns	Number	total number of allocated logical units on the parent of this LUN
nbr_of_luns	Number	number of logical units
normalized_raid_type	String	normalized raid type
object_id	String	unique internal identifier for the logical unit
parent_logical_unit_id	Number	Parent logical unit id. Foreign key to logical unit details

pool_name	String	EMC Symmetrix storage pool name
raid_type	String	RAID type of used by the volume: possible values disk - non raided else RAID1,RAID2...RAID5 etc
rdf_grp_name	String	RDF (RA) Group Name
rdf_grp_nbr	Number	RDF (RA) Group Number
rdf_mode	String	RDF mode
rdf_state	String	RDF state
rdf_type	String	RDF type
remote_device_rdf_state	String	remote device RDF state
srp_name	String	EMC Symmetrix SRP name
std_device_cg_name	String	standard device CG name
std_device_grp_name	String	standard device group name
storage_array_id	Number	foreign key to storage array details
sym_lun_device_name	String	EMC Symmetrix LUN device name
total_capacity_gb	Number	total capacity in GiB
total_capacity_kb	Number	total capacity in KiB
used_capacity_gb	Number	used capacity in GiB
used_capacity_kb	Number	used capacity in KiB
written_capacity_gb	Number	written capacity in GiB
written_capacity_kb	Number	written capacity in KiB

aps_v_emc_sym_map_pol_strgrp *(EMC Symmetrix Views)*

Mapping between FAST policy and storage group

Column Name	Data Type	Description
array_name	String	Array name
emc_sym_fast_policy_id	Number	foreign key to EMC symmetrix FAST policy details
emc_sym_storage_grp_id	Number	foreign key to EMC symmetrix storage group details
fast_policy_name	String	FAST policy name
last_updated	Date	Last updated date

priority	Number	Priority of the storage group in the policy
storage_array_id	Number	foreign key to storage array details
storage_group_name	String	EMC Symmetrix storage group name

aps_v_emc_sym_map_pol_tier *(EMC Symmetrix Views)*

Mapping between FAST policy and tier

Column Name	Data Type	Description
array_name	String	Array name
emc_sym_fast_policy_id	Number	foreign key to EMC symmetrix FAST policy details
emc_sym_tier_id	Number	foreign key to EMC symmetrix tier details
fast_policy_name	String	FAST policy name
last_updated	Date	Last updated date
max_storage_group_pct	Number	Maximum Percent the tier can be used by the policy
storage_array_id	Number	foreign key to storage array details
tier_name	String	tier name

aps_v_emc_sym_map_strgrp_lun *(EMC Symmetrix Views)*

Mapping between storage group and logical unit

Column Name	Data Type	Description
array_name	String	Array name
emc_sym_storage_grp_id	Number	foreign key to EMC symmetrix storage group details
last_updated	Date	Last updated date
logical_unit_id	Number	foreign key to logical unit details
logical_unit_name	String	logical unit name
storage_array_id	Number	foreign key to storage array details
storage_group_name	String	EMC Symmetrix storage group name

aps_v_emc_sym_port *(EMC Symmetrix Views)*

Contains a single row for each EMC Symmetrix port.

Column Name	Data Type	Description
array_name	String	array name
director_id	String	Director Identification
director_numeric_nbr	Number	Director Numeric Number
director_slot_nbr	Number	Director Slot Number
director_status	String	Director status
director_symbolic_nbr	String	Director Symbolic Number
director_type	String	Director type
emc_rdf_group_id	Number	foreign key to emc rdf group details
emc_symmetrix_port_id	Number	foreign key to EMC symmetrix port details
last_updated	Date	Last updated date
node_wwn	String	the worldwide node name that is assigned to the symmetrix port
node_wwn_id	Number	Foreign key to WWN
prevent_auto_rdf_link_recovery	String	Prevent Automatic RDF Link Recovery
prevent_ra_online_upon_poweron	String	Prevent RAs Online Upon Power ON
rdf_grp_name	String	RDF (RA) Group Name
rdf_grp_nbr	Number	RDF (RA) Group Number
remote_director_symbolic_nbr	String	Remote RDF (RA) Director Symbolic
remote_symmetrix_id	String	Remote Symmetrix ID it got connected to
remote_symmetrix_port_id	Number	foreign key to remote EMC symmetrix port details
storage_array_id	Number	foreign key to storage array details

aps_v_emc_sym_save_pool *(EMC Symmetrix Views)*

Contains a single row for each EMC Symmetrix save pool.

Column Name	Data Type	Description
array_name	String	array name
creation_date	Date	The date and time the save pool data was created in the database.
dev_emulation	String	device emulation
emc_sym_save_pool_id	Number	foreign key to EMC symmetrix save pool details
full_pct	Number	full percentage
last_updated	Date	Last updated date
pool_state	String	save pool state
save_pool_name	String	EMC Symmetrix save pool name
session_state	String	session state
storage_array_id	Number	foreign key to storage array details
total_enabled_gb	Number	total enabled capacity in GiB
total_enabled_kb	Number	total enabled capacity in KiB
total_free_gb	Number	total free capacity in GiB
total_free_kb	Number	total free capacity in KiB
total_gb	Number	total capacity in GiB
total_kb	Number	total capacity in KiB
total_used_gb	Number	total used capacity in GiB
total_used_kb	Number	total used capacity in KiB

aps_v_emc_sym_srp *(EMC Symmetrix Views)*

Contains a single row for each EMC Symmetrix SRP.

Column Name	Data Type	Description
allocated_capacity_gb	Number	Indicates the sum of the device allocations, snapshot allocations, and SRDF/A DSE allocations on the SRP (Storage Resource Pool) in GiB
allocated_capacity_kb	Number	Indicates the sum of the device allocations, snapshot allocations, and SRDF/A DSE allocations on the SRP (Storage Resource Pool) in KiB
array_name	String	array name
compress_overall_ratio	Number	Current ratio of logical storage (thick LUN capacity) to overall compressed capacity.
compress_snapshot_ratio	Number	Current ratio of logical storage (thick LUN capacity) to overall compressed capacity, due to snap.
compress_virtual_ratio	Number	Current ratio of logical storage (thick LUN capacity) to overall compressed capacity due to thin provisioning.

creation_date	Date	Date and time this SRP (Storage Resource Pool) was created
emc_sym_srp_id	Number	foreign key to EMC symmetrix SRP details
free_capacity_gb	Number	It is the difference between the usable and the allocated capacity in GiB
free_capacity_kb	Number	It is the difference between the usable and the allocated capacity in KiB
last_updated	Date	Last updated date
nbr_of_luns	Number	Number of LUNs associated with the EMC Symmetrix SRP (Storage Resource Pool).
nbr_of_pdevs	Number	Number of Physical Disks associated with the EMC Symmetrix SRP (Storage Resource Pool).
overall_system_ratio	Number	Current ratio of logical storage (thick LUN capacity) to compression and dedup.
snapshot_overall_ratio	Number	Current ratio of logical storage (thick LUN capacity) to overall compressed capacity, due to snap.
snapshot_saved_pct	Number	Percentage capacity saved due to snap (versus full copy).
snapshot_shared_ratio	Number	Current ratio of logical storage (thick LUN capacity) to overall compressed capacity, due to dedup of snap.
srp_name	String	Name of the Storage Resource Pool.
storage_array_id	Number	foreign key to storage array details
subscribed_capacity_gb	Number	Subscribed capacity is the sum of the sizes of all the thin devices subscribed against the SRP (Storage Resource Pool) in GiB
subscribed_capacity_kb	Number	Subscribed capacity is the sum of the sizes of all the thin devices subscribed against the SRP (Storage Resource Pool) in KiB
subscribed_pct	Number	Subscribed Capacity percentage is the percentage of the Usable Capacity used by thin devices.
usable_capacity_gb	Number	Indicates the usable capacity of all the disk groups in the SRP (Storage Resource Pool) in GiB
usable_capacity_kb	Number	Indicates the usable capacity of all the disk groups in the SRP (Storage Resource Pool) in KiB
virtual_overall_ratio	Number	Current ratio of logical storage (thick LUN capacity) to overall compressed capacity, due to thin provisioning.
virtual_saved_pct	Number	Percentage capacity saved due to thin provisioning.
virtual_shared_ratio	Number	Current ratio of logical storage (thick LUN capacity) to overall compressed capacity, due to dedup of thin provisioning.

aps_v_emc_sym_srp_log *(EMC Symmetrix Views)*

Log for the frequently changing data from EMC Symmetrix SRP.

Column Name	Data Type	Description
allocated_capacity_gb	Number	Indicates the sum of the device allocations, snapshot allocations, and SRDF/A DSE allocations on the SRP (Storage Resource Pool) in GiB
allocated_capacity_kb	Number	Indicates the sum of the device allocations, snapshot allocations, and SRDF/A DSE allocations on the SRP (Storage Resource Pool) in KiB
array_name	String	array name
compress_overall_ratio	Number	Current ratio of logical storage (thick LUN capacity) to overall compressed capacity.

compress_snapshot_ratio	Number	Current ratio of logical storage (thick LUN capacity) to overall compressed capacity, due to snap.
compress_virtual_ratio	Number	Current ratio of logical storage (thick LUN capacity) to overall compressed capacity due to thin provisioning.
emc_sym_srp_id	Number	foreign key to EMC symmetrix SRP details
free_capacity_gb	Number	It is the difference between the usable and the allocated capacity in GiB
free_capacity_kb	Number	It is the difference between the usable and the allocated capacity in KiB
log_date	Date	Log date
overall_system_ratio	Number	Current ratio of logical storage (thick LUN capacity) to compression and dedup.
snapshot_overall_ratio	Number	Current ratio of logical storage (thick LUN capacity) to overall compressed capacity, due to snap.
snapshot_saved_pct	Number	Percentage capacity saved due to snap (versus full copy).
snapshot_shared_ratio	Number	Current ratio of logical storage (thick LUN capacity) to overall compressed capacity, due to dedup of snap.
srp_name	String	Name of the Storage Resource Pool.
storage_array_id	Number	foreign key to storage array details
subscribed_capacity_gb	Number	Subscribed capacity is the sum of the sizes of all the thin devices subscribed against the SRP (Storage Resource Pool) in GiB
subscribed_capacity_kb	Number	Subscribed capacity is the sum of the sizes of all the thin devices subscribed against the SRP (Storage Resource Pool) in KiB
subscribed_pct	Number	Subscribed Capacity percentage is the percentage of the Usable Capacity used by thin devices.
usable_capacity_gb	Number	Indicates the usable capacity of all the disk groups in the SRP (Storage Resource Pool) in GiB
usable_capacity_kb	Number	Indicates the usable capacity of all the disk groups in the SRP (Storage Resource Pool) in KiB
virtual_overall_ratio	Number	Current ratio of logical storage (thick LUN capacity) to overall compressed capacity, due to thin provisioning.
virtual_saved_pct	Number	Percentage capacity saved due to thin provisioning.
virtual_shared_ratio	Number	Current ratio of logical storage (thick LUN capacity) to overall compressed capacity, due to dedup of thin provisioning.

aps_v_emc_sym_storage_grp *(EMC Symmetrix Views)*

Contains a single row for each EMC Symmetrix storage group.

Column Name	Data Type	Description
array_name	String	array name
emc_sym_srp_id	Number	foreign key to EMC Symmetrix SRP details
emc_sym_storage_grp_id	Number	foreign key to EMC symmetrix storage group details
is_fast_policy	String	Indicating if storage group is part of the FAST policy or not. Y/N
is_masking_views	String	Indicating if storage group has masking views or not. Y/N

last_updated	Date	Last updated date
nbr_of_storage_groups	Number	Existing Storage Group contains number of other Storage Group
parent_storage_grp_id	Number	foreign key into aps_v_emc_sym_storage_grp to locate the parent of this storage group if any
srp_name	String	EMC Symmetrix SRP name
storage_array_id	Number	foreign key to storage array details
storage_group_name	String	EMC Symmetrix storage group name

aps_v_emc_sym_storage_path *(EMC Symmetrix Views)*

Contains a single row for each EMC Symmetrix storage path.

Column Name	Data Type	Description
array_name	String	array name
emc_sym_initiator_grp_id	Number	foreign key to EMC symmetrix initiator group details
emc_sym_masking_view_id	Number	foreign key to EMC symmetrix masking view details
emc_sym_port_grp_id	Number	foreign key to EMC symmetrix port group details
emc_sym_storage_grp_id	Number	foreign key to EMC symmetrix storage group details
initiator_group_name	String	EMC Symmetrix initiator group name
internal_lun_nbr	Number	Internal LUN number
last_updated	Date	Last updated date
masking_view_name	String	EMC Symmetrix masking view name
original_lun_nbr	Number	Original LUN number
path_id	Number	foreign key to path details
port_group_name	String	EMC Symmetrix port group name
storage_array_id	Number	foreign key to storage array details
storage_group_name	String	EMC Symmetrix storage group name

aps_v_emc_sym_storage_pool *(EMC Symmetrix Views)*

Contains a single row for each EMC Symmetrix storage pool.

Column Name	Data Type	Description
array_name	String	array name
dev_config	String	device configuration
dev_emulation	String	device emulation
emc_sym_storage_pool_id	Number	foreign key to EMC symmetrix storage pool details
emc_sym_tier_id	Number	foreign key to EMC symmetrix tier details
last_updated	Date	Last updated date
pct	Number	percentage
pool_name	String	EMC Symmetrix storage pool name
storage_array_id	Number	foreign key to storage array details
subscribed_pct	Number	subscribed percentage
tier_name	String	EMC Symmetrix tier name
total_enabled_tracks_gb	Number	total enabled tracks in GiB
total_enabled_tracks_kb	Number	total enabled tracks in KiB
total_tracks_gb	Number	total tracks in GiB
total_tracks_kb	Number	total tracks in KiB
total_used_tracks_gb	Number	total used tracks in GiB
total_used_tracks_kb	Number	total used tracks in KiB

aps_v_emc_sym_storage_pool_log *(EMC Symmetrix Views)*

Log for the frequently changing data from EMC Symmetrix storage pool.

Column Name	Data Type	Description
array_name	String	array name
available_capacity_gb	Number	available capacity in GiB
available_capacity_kb	Number	available capacity in KiB
emc_sym_storage_pool_id	Number	foreign key to EMC symmetrix storage pool details
log_date	Date	Log date
pool_name	String	EMC Symmetrix storage pool name
storage_array_id	Number	foreign key to storage array details

subscribed_capacity_gb	Number	subscribed capacity in GiB
subscribed_capacity_kb	Number	subscribed capacity in KiB
total_capacity_gb	Number	total capacity in GiB
total_capacity_kb	Number	total capacity in KiB
used_capacity_gb	Number	used capacity in GiB
used_capacity_kb	Number	used capacity in KiB

aps_v_emc_sym_tier *(EMC Symmetrix Views)*

Contains a single row for each EMC Symmetrix tier.

Column Name	Data Type	Description
allocated_capacity_gb	Number	Allocated Capacity of tier in GiB
array_name	String	array name
disk_location	String	Whether the Disk is Located internally or Externally
disk_type	String	Disk Type of the Tier: EFD, FC, SATA
emc_sym_tier_id	Number	System generated identifier for the tier. Primary key in this view.
emulation	String	Emulation of the Tier : CKD or FBA
enabled_capacity_gb	Number	Enabled Capacity of the Tier in GiB
free_capacity_gb	Number	Free Capacity of the Tier in GiB
include_type	String	whether Tiers is static or Dynamic Tier
last_updated	Date	Last updated date
raid_type	String	Raid type of the Tier
storage_array_id	Number	foreign key to storage array details
tier_name	String	tier name
tier_type	String	Tier Type: DP = Disk Group Provisioning, VP = Virtual Pools

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aps_v_vnx_storage_pool_log
aps_v_vnx_storage_system
aps_v_vnx_tree
aps_v_vnx_user_quota
aps_v_vnx_volume
aps_v_vnx_volume_free_space
aps_v_vnx_volume_log

aps_v_vnx_array_group *(EMC VNX (Celerra) Views)*

Contains a single row for each array group

Column Name	Data Type	Description
array_group_id	Number	Internal key, foreign key to (RAID group) aps_array_group.array_group_id
array_group_obj_id	String	RAID group Configuration id column
last_updated	Date	last updated date
state	String	RAID group Configuration state column
storage_obj_id	String	Specifies ID of the RAID group Configuration storage
system_name	String	System name
vnx_storage_system_id	Number	Internal key, foreign key to the aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_array_port *(EMC VNX (Celerra) Views)*

Contains a single row for each array port

Column Name	Data Type	Description

agent_version	String	Specifies the agent (Navisphere) version of the storage processor
last_updated	Date	last updated date
microcode_version	String	Specifies the version (revision) of the microcode (Flair code version)
port_id	Number	Internal key, foreign key to the aps_array_port.port_id
storage_obj_id	String	Specifies ID of the storage that incorporates this storage processor
storage_processor_id	String	Specifies ID of the storage processor
switch_uid	String	Specfies unique ID of the switch to which this port is connected
system_name	String	System name
vnx_storage_system_id	Number	Internal key, foreign key to the aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_backend_storage_sys *(EMC VNX (Celerra) Views)*

Contains a single row for each Celerra backend system

Column Name	Data Type	Description
backend_ss_uid	String	Specifies the Clariion UID identifier
cache_kb	Number	Returns the size of the cache in this storage system
component_type	String	Returns the type of component. In this case, it is storageSystem
disk_count	Number	Returns the number of physical disk devices in this storage system
frontend_system_name	String	Frontend system name
high_watermark_pct	Number	Specifies the percentage of dirty pages required to start a cache flush
is_local	Char	Indicates that if false then the storage is a remote storage system
last_updated	Date	last updated date
low_watermark_pct	Number	Specifies the percentage of dirty pages required to stop a cache flush
max_severity	String	Returns the maximum (worst) severity among all problems that the task or query experienced during the run
nbr_of_luns	Number	Number of logical units
nbr_of_raid_groups	Number	Specifies the number of RAID groups
nbr_of_storage_groups	Number	Specifies the number of storage groups
nbr_of_visible_luns	Number	Number of visible luns
serial_nbr	String	Returns the EMC Serial number assigned to this storage System
snapshot_time_sec	Number	Specifies the GMT time in seconds when this snapshot of data was taken

software_version	String	Returns the software version of this system software
ss_model	String	Returns EMC storage model
storage_obj_id	String	Specifies the ID of the Storage system
system_name	String	Returns the Celerra name of this storage system
up_time	String	Returns the time passed since Symmetrix bootup.
vnx_storage_system_id	Number	Internal key, foreign key to the aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_checkpoint *(EMC VNX (Celerra) Views)*

Contains a single row for each checkpoint

Column Name	Data Type	Description
baseline_checkpoint_id	Number	Returns the baseline check point id, if the checkpoint is a baseline checkpoint
checkpoint_name	String	Returns the name of the checkpoint
checkpoint_obj_id	String	Specifies the ID of the checkpoint
checkpoint_state	String	Returns the checkpoint state
checkpoint_time	Date	Returns the time the checkpoint was taken
file_system_name	String	File system name
file_system_size_kb	Number	Returns the apparent size of the file system to clients; that is, the size of the source file system at the moment the checkpoint was taken
last_updated	Date	last updated date
system_name	String	System name
vnx_checkpoint_id	Number	Internal Key, Primary key in aps_v_vnx_checkpoint
vnx_file_system_id	Number	Internal Key, foreign key to the aps_vnx_file_system
vnx_storage_system_id	Number	Internal key, foreign key to the aps_vnx_storage_system.vnx_storage_system_id
writeable_checkpoint_id	Number	Returns the writeable checkpoint id, if the checkpoint is a baseline checkpoint

aps_v_vnx_cifs_share *(EMC VNX (Celerra) Views)*

Contains a single row for each cifs share

Column Name	Data Type	Description

cifs_share_comment	String	Returns the user comment
cifs_share_name	String	Specifies the name of the share
file_system_name	String	File system name
file_system_obj_id	String	Specifies the ID of the file system
last_updated	Date	last updated date
max_nbr_of_users	Number	Returns the maximum number of simultaneous users permitted for a share
mover_name	String	Returns the Name of the mover
mover_obj_id	String	Specifies the ID of the mover
path	String	Returns the path to the exported directory
system_name	String	System name
vnx_cifs_share_id	Number	Internal Key, Primary Key in aps_vnx_cifs_share
vnx_file_system_id	Number	Internal key, foreign key to the aps_vnx_file_system.vnx_file_system_id
vnx_mover_id	Number	Internal key, foreign key to the aps_vnx_mover.vnx_mover_id
vnx_storage_system_id	Number	Internal key, foreign key to the aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_control_station *(EMC VNX (Celerra) Views)*

Contains a single row for each control station

Column Name	Data Type	Description
component_type	String	Indicates the type of component. In this case, controlStation
dns_domain_name	String	Returns the DS domain name
dns_server_list	String	Returns the list of DNS servers configured on this Control Station
gateway	String	Returns the IP address of the subnet gateway
host_name	String	Returns the host name of control station on network
ip_address	String	Returns the external IP address
ipv6_address	String	Returns the IPv6 address of the Control Station
ipv6_gateway	String	Returns the IPv6 gateway of the Control Station that is used to access the IPv6 network
ipv6_prefix_length	Number	Returns the IPv6 prefix length of the IPv6 address of the Control Station
last_updated	Date	last updated date
max_severity	String	Returns the maximum (worst) severity among all problems that the task or query experienced during the run

nas_version	String	Returns the version of NAS software installed on this Control Station
ntp_server	String	Returns the address of the network time server
slot	String	Specifies the slot of the Control Station
standby_status	String	Indicates the actual status of the standby Control Station
subnet_mask	String	Returns the subnet mask for the address
system_name	String	System name
system_time	Date	Returns the system time at the time of the request
time_zone	String	Returns the current time zone setting for the control station
vnx_control_station_id	Number	Internal Key, Primary Key in aps_vnx_control_station
vnx_storage_system_id	Number	Internal key, foreign key to the aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_domain_server *(EMC VNX (Celerra) Views)*

Contains a single row for each mover domain server

Column Name	Data Type	Description
domain_name	String	Domain name
last_updated	Date	last updated date
server_name	String	Server name
system_name	String	System name
vnx_mover_domain_id	Number	Internal key, foreign key to the aps_vnx_mover_domain.vnx_mover_domain_id
vnx_storage_system_id	Number	Internal key, foreign key to the aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_file_system *(EMC VNX (Celerra) Views)*

Contains a single row for each file system

Column Name	Data Type	Description
base_volume_id	Number	Returns the ID of the volume object this file system is based on
checkpoint_data_service_policy	String	The data service policies associated with the savvol of the PFS
cifs_access_policy	String	Indicates the access checking policy for mounting the CIFS share

cifs_is_notify	Char	Indicates, if true, inform the client of changes made to the directory file structure
cifs_is_notify_on_access	Char	Provides a notification when the file system is accessed
cifs_is_notify_on_write	Char	Provides a notification when the file system is accessed
cifs_is_oplock_disabled	Char	Indicates, if true, turn oplocks (opportunistic locks) off
cifs_is_sync_write	Char	Indicates, if true, that any write to the Celerra Network Server is synchronous
cifs_locking_policy	String	Indicates the impact of locking behavior on NFS clients in the case of concurrent NFS and CIFS file locking
cifs_trigger_level	Number	Defines the number of subdirectories where the notification change is applied
cworm_state	String	Returns CWORM state
data_service_policy_list	String	The data service policies associated with the file system object
file_system_name	String	Returns the name (alias) of the file system. Name is unique among all file system
file_system_obj_id	String	Specifies the ID of the file system
file_system_type	String	Returns the type of the file system
flr_time	String	Current value of non-modifiable software clock for file system
high_watermark	Number	Returns the size threshold that must be reached before the file system is automatically extended
is_auto_extend	Char	Specifies whether auto extension is enabled/disabled on the file sytem
is_contain_slices	Char	Indicates that the file system contains slices
is_internal_use	Char	Indicates the file system is used internally by Celerra software
is_nt_credential	Char	Indicates, if true, that the system matches a UID/GID to a SID during an access request to create one common credential called the NT credential
is_rde_running	Char	Returns true when rdeState enabled and indicates that the Data Mover is performing space reduction in the files of the file system
is_unmounted	Char	Indicates, if true that the file system is temporarily unmounted
is_virtual_provisioning	Char	Specified whether virtual provisioning is enabled/disabled
last_updated	Date	last updated date
max_auto_extend_size_kb	Number	Returns the maximum file system size to which a file system can be extended
max_nbr_of_files	Number	Returns the maximum number of files and/or directories possible on this file system
max_retention_time	String	The maximum retention time for all protected files on the file system
migration_process_state	String	Indicates the state of the migration process
mount_point_path	String	Specifies the mount point path
nbr_of_files	Number	Returns the current number of files and/or directories on this file system
nfs_is_prefetch	Char	Indicates, if true, that the prefetch option performs read ahead processing for the file systems
nfs_is_readonly	Char	Indicates, if true, that mount is in read-only mode

nfs_is_uncached	Char	Indicates, if true, allow well-formed writes
nfs_is_virus_scan	Char	Indicates, if false, disable the Virus Checker protocol for a file system
rde_access_time	Number	Returns the minimum required file age (in days) based on read access time
rde_backup_data_high_watermark	Number	Returns the percentage full that a deduplicate file has to be below, in order to trigger space reduced backups for NDMP
rde_curr_free_space_kb	Number	Returns the current file system free size at the time of the request (dynamic)
rde_curr_total_space_kb	Number	Returns the current file system size at the time of request
rde_curr_used_space_kb	Number	Returns the current RDE used file system size at the time of the request
rde_duplicate_detection_method	String	Returns the method used to detect the duplicate data for Celerra
rde_file_extension_excl_list	String	Returns a colon delimited list of filename extensions to be excluded from deduplication
rde_is_case_sensitive	Char	Returns whether case-sensitive or case-insensitive string comparisons will be used during scans in the NFS namespace
rde_is_cifs_compression	Char	Returns whether or not CIFS compression and display are allowed
rde_last_scan_time	Date	Returns the time of last successful scan of the file system since epoch
rde_max_deduplication_size_kb	Number	Returns the deduplication maximum size
rde_min_deduplication_size_kb	Number	Returns the minimum deduplication size
rde_min_modify_day	Number	Returns the minimum required file age (in days) based on modification time
rde_min_scan_day	Number	Returns the minimum number of days between scans for a filesystem
rde_nbr_of_files	Number	Returns the total number of regular files in the file system as seen from the last successful scan of the file system
rde_nbr_of_recalled_files	Number	Returns the number of files that have been recalled during the inflation process when the status of rdeRunning is true and rdeState is off
rde_nbr_of_scanned_files	Number	Returns the current number of files that are seen by the RDE Policy Engine (PE) when the status of rdeRunning is true and rdeState is enabled
rde_nbr_of_space_reduced_files	Number	Returns the number of space reduced files in the file system as detected from the last successful scan of the file system
rde_off_space_used	Number	Returns the usage of file system, if RDE were in the off state, as detected from the last successful scan of the file system
rde_path_name_excl_list	String	Any directory below a path name that includes this setting will be excluded from deduplication
rde_savvol_high_watermark_pct	Number	Represents the percentage of SavVol space that can be used during the deduplication
rde_space_saved_kb	Number	Returns the amount of space saved by deduplication in MiB
rde_state	String	Specifies the RDE De-duplication state
recommended_pool	String	Returns the ID of the storage pool to use when extending this file system
recommended_storage	String	Returns the ID of the storage to use when extending this file system using disk volumes
replication_role	String	Indicates the role the file system is playing in the replication process
savvol_raw_size_kb	Number	Returns the raw size of the savVol
savvol_total_space_kb	Number	Returns the logical capacity of savVol; that is, the capacity that can be used to store user data

savvol_used_space_kb	Number	Returns the used space of savVol; that is, the capacity currently used by user data
savvol_volume_id	Number	Returns the ID of the volume that is used to allocate checkpoints for this file system
scaling_factor_mb	Number	Returns the constant factor calculated by the core that is used to compute the default savVol size as factor*(100-HighWatermark) in MiB
storage_obj_id_list	String	Returns the list of IDs of storages from which this file system was allocated
system_name	String	System name
total_capacity_kb	Number	Returns the total data capacity of the file system
underlying_volume_size_kb	Number	Returns the size of the underlying volume
used_capacity_kb	Number	Returns the amount of space currently used by the user data
valid_pools	String	Returns the list of IDs of storage pools that can be used for storage allocation for this file system
valid_storages	String	Returns the list of IDs of storages to use when extending this file system using disk volumes
vnx_file_system_id	Number	Internal Key, Primary Key in aps_vnx_file_system
vnx_storage_system_id	Number	Internal key, foreign key to the aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_file_system_log *(EMC VNX (Celerra) Views)*

Contains a single row for each file system log

Column Name	Data Type	Description
file_system_name	String	Returns the name (alias) of the file system. Name is unique among all file system
log_date	Date	log date
max_nbr_of_files	Number	Returns the maximum number of files and/or directories possible on this file system
nbr_of_files	Number	Returns the current number of files and/or directories on this file system
savvol_raw_size_kb	Number	Returns the raw size of the savVol
savvol_total_space_kb	Number	Returns the logical capacity of savVol; that is, the capacity that can be used to store user data
savvol_used_space_kb	Number	Returns the used space of savVol; that is, the capacity currently used by user data
system_name	String	System name
total_capacity_kb	Number	Returns the total data capacity of the file system
underlying_volume_size_kb	Number	Returns the size of the underlying volume
used_capacity_kb	Number	Returns the amount of space currently used by the user data
vnx_file_system_id	Number	Internal Key, Primary Key in aps_vnx_file_system
vnx_storage_system_id	Number	Internal key, foreign key to the aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_logical_network_dev *(EMC VNX (Celerra) Views)*

Contains a single row for each logical network device

Column Name	Data Type	Description
device_name	String	Specifies the name of the device
device_type	String	Returns the type of the device
fsn_active	String	Returns the name of the currently active device
fsn_primary	String	Returns the name of the primary device
last_updated	Date	last updated date
mover_name	String	Returns the Name of the mover
mover_obj_id	String	Specifies the ID of the mover
speed	String	Returns the speed setting of this device
system_name	String	System name
trunk_owner	String	Returns the name of the container virtual device, if any
virtual_device_id	Number	Returns the list of device names that make up this virtual device
vnx_logical_network_id	Number	Internal key, primary key in aps_vnx_logical_network_device
vnx_mover_id	Number	Internal key, foreign key to aps_vnx_mover.vnx_mover_id
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_logical_unit *(EMC VNX (Celerra) Views)*

Contains a single row for each logical unit

Column Name	Data Type	Description
auto_assignment	String	Specifies the current state of auto assignment
auto_trespass	String	Specifies the state (disabled/enabled) of auto-tresspass
device_state	String	Specifies the current state of the Clariion device
first_stripe_nbr	Number	Specifies the stripe number in RAID where the device starts
idle_delay_time	Number	Specifies the amount of time device must be below the idle-threshold in order to be considered idle

idle_threshold	Number	Specifies maximum number of I/Os that can be outstanding to the device and still have the device be considered idle
is_private	Char	Specifies, if true, that the device is not externally visible
last_updated	Date	last updated date
logical_unit_id	Number	Internal key, foreign key to aps_logical_unit
lun_nbr	Number	Specifies the unique ID of this device
max_prefetch_blk	Number	Specifies the maximum size to prefetch in response to read request
prefetch_disable_size_blk	Number	Specifies the prefetch disable size, in blocks
prefetch_idle_count	Number	Specifies the maximum number of outstanding I/Os the device can have and still perform prefetching
read_cache	String	Specifies current state of read cache
storage_obj_id	String	Specifies ID of the Clariion that contains the device
stripe_size_blk	Number	Specifies the stripe size, in blocks
system_name	String	System name
variable_length_prefetch	String	Specifies the current state of variable length prefetch
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id
write_cache	String	Specifies the current state of write cache

aps_v_vnx_map_filesystem_vol *(EMC VNX (Celerra) Views)*

Contains a single row mapping for each file system and volume

Column Name	Data Type	Description
file_system_name	String	File system name
file_system_obj_id	String	Specifies the ID of the file system
last_updated	Date	last updated date
system_name	String	System name
vnx_file_system_id	Number	Internal key, foreign key to aps_vnx_file_system
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system
vnx_volume_id	Number	Internal key, foreign key to aps_vnx_volume
volume_name	String	Returns the name of the volume
volume_obj_id	String	Specifies the ID of the volume

aps_v_vnx_map_mover_checkpoint *(EMC VNX (Celerra) Views)*

Contains a single row mappingfor each mover and checkpoint

Column Name	Data Type	Description
checkpoint_name	String	Returns the name of the checkpoint
checkpoint_obj_id	String	Specifies the ID of the checkpoint
last_updated	Date	last updated date
mover_name	String	Returns the Name of the mover
mover_obj_id	String	Specifies the ID of the mover
system_mode	String	File system mode
system_name	String	System name
vnx_checkpoint_id	Number	Internal key, foreign key to aps_vnx_checkpoint
vnx_mover_id	Number	Internal key, foreign key to aps_vnx_mover
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system

aps_v_vnx_map_mover_filesystem *(EMC VNX (Celerra) Views)*

Contains a single row mapping for each mover and file system

Column Name	Data Type	Description
file_system_name	String	File system name
file_system_obj_id	String	Specifies the ID of the file system
last_updated	Date	last updated date
mover_name	String	Returns the Name of the mover
mover_obj_id	String	Specifies the ID of the mover
system_mode	String	File system mode
system_name	String	System name
vnx_file_system_id	Number	Internal key, foreign key to aps_vnx_file_system
vnx_mover_id	Number	Internal key, foreign key to aps_vnx_mover

vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system

aps_v_vnx_map_mover_pool *(EMC VNX (Celerra) Views)*

Contains a single row mapping for each mover and storage pool

Column Name	Data Type	Description
last_updated	Date	last updated date
mover_name	String	Returns the Name of the mover
mover_obj_id	String	Specifies the ID of the mover
storage_pool_name	String	Returns the name of the storage pool
storage_pool_obj_id	String	Specifies the ID of the storage pool
system_name	String	System name
vnx_mover_id	Number	Internal key, foreign key to aps_vnx_mover
vnx_storage_pool_id	Number	Internal key, foreign key to aps_vnx_storage_pool
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system

aps_v_vnx_map_mover_volume *(EMC VNX (Celerra) Views)*

Contains a single row mapping for each mover and volume

Column Name	Data Type	Description
last_updated	Date	last updated date
mover_name	String	Returns the Name of the mover
mover_obj_id	String	Specifies the ID of the mover
system_name	String	System name
vnx_mover_id	Number	Internal key, foreign key to aps_vnx_mover
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system
vnx_volume_id	Number	Internal key, foreign key to aps_vnx_volume
volume_name	String	Returns the name of the volume
volume_obj_id	String	Specifies the ID of the volume

aps_v_vnx_map_volumes *(EMC VNX (Celerra) Views)*

Contains a single row mapping for each volume and member volume

Column Name	Data Type	Description
last_updated	Date	last updated date
map_to_vol_id	Number	
map_to_vol_name	String	Returns the name of the map to volume
map_to_vol_obj_id	String	Specifies the ID of the map to volume
system_name	String	System name
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system
vnx_volume_id	Number	Internal key, foreign key to aps_vnx_volume
volume_name	String	Returns the name of the volume
volume_obj_id	String	Specifies the ID of the volume

aps_v_vnx_mover *(EMC VNX (Celerra) Views)*

Contains a single row for each mover

Column Name	Data Type	Description
aliases_list	String	Returns the list of NETBIOS aliases associated with this server
board_type	String	Returns the type of the mother board
bus_speed	Number	Returns the speed of the board main bus
cifs_server_type	String	Returns the type of this CIFS server
collection_time	Date	Time the data has collected
control_stattion_time	Date	Returns Coordinated Universal Time (UTC) time according to the Control Station clock at the moment the request to DART operating system was made
cpu_speed	Number	Returns the speed of the single CPU
cpu_type	String	Returns the type of the CPU
cpu_usage_pct	Number	Percent of CPU Usage
failover_policy	String	Returns a failover policy (if the mover has a standby)

i18nmode	String	Returns the I18N mode of the mover
is_allow_local_user	Char	Indicates that this server allows the creation of a limited number of local user accounts
is_cifs_enabled	Char	Returns the state of CIFS service on this Data Mover or VDM
is_joined_domain	Char	Indicates whether the server joined the domain or not
is_vdm	Char	Indicates that if true, the mover refers to a VDM, otherwise it refers to a mover
last_updated	Date	last updated date
max_severity	String	Returns the maximum (worst) severity among all problems that the task or query experienced during the run
mem_usage_pct	Number	Percent of mem Usage
memory_size_kb	Number	Returns the board main memory size
mover_host_obj_id	String	Specifies the ID of the mover host
mover_name	String	Returns the Name of the mover
mover_obj_id	String	Returns the ID the mover hosted by this host
netbios_name	String	Specifies the NETBIOS name of the server
ntp_server_list	String	Returns the list IP addresses of the NTP server hosts
parent_mover_id	Number	Internal key, foreign key to aps_vnx_mover.vnx_mover_id
role	String	Returns the role of this mover
root_file_system	String	Returns the ID of the root file system of this VDM
server_interfaces_list	String	Returns the list of interface IP addresses on which this server is available
server_workgroup_name	String	Returns the server workgroup name
slot	Number	Returns physical slot number of the box
software_version	String	Returns the software version of the DART operating system this mover is running
stamp	String	Mover resource usage stamp
standby_for_movers_list	String	Returns the list of IDs of the movers this mover is a standby for
standby_movers_list	String	Returns the list of IDs of standby movers
system_name	String	System name
system_time	Date	Returns Coordinated Universal Time (UTC) time according to the DART operating system at the time of the request
target_state	String	Returns the persistent (target) state of the Data Mover
time_zone	String	Returns the timezone of the data mover
up_time	Number	Returns mover up-time
user_mapper_servers_list	String	Returns a list of host addresses of the external usermapper servers

vdm_state	String	Returns the state of the VDM
vnx_mover_id	Number	Internal key, primary key in aps_vnx_mover
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id
win_computer_name	String	Returns the computer name
win_domain_name	String	Returns the fully qualified domain name
win_servers_list	String	Returns a list of IP addresses of WINS (Windows Internet Naming Service) servers

aps_v_vnx_mover_domain *(EMC VNX (Celerra) Views)*

Contains a single row for each mover domain

Column Name	Data Type	Description
domain_name	String	Specifies the domain name
domain_type	String	Specifies the domain type
last_updated	Date	last updated date
mover_name	String	Returns the Name of the mover
mover_obj_id	String	Returns the ID the mover hosted by this host
protocol	String	Returns the network protocol used
system_name	String	System name
vnx_mover_domain_id	Number	Internal key, primary key in aps_vnx_mover_domain
vnx_mover_id	Number	Internal key, foreign key to aps_vnx_mover
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_mover_interface *(EMC VNX (Celerra) Views)*

Contains a single row for each mover interface

Column Name	Data Type	Description
broadcast_address	String	Returns the broadcast address
interface_name	String	Returns the interface name
ip_address	String	Specifies the IP address of the interface

ip_version	String	Returns whether the IP address is IPv4 or IPv6 on this Control Station
is_up	Char	Indicates if true, the interface is up
last_updated	Date	last updated date
mac_address	String	Returns MAC address
mover_name	String	Returns the Name of the mover
mover_obj_id	String	Returns the ID the mover hosted by this host
net_mask	String	Returns the IPv4 subnet mask or IPv6 subnet prefix length
system_name	String	System name
vdm_mover_id	Number	VDM mover id
vlan_id	Number	Returns the VLAN ID for this interface
vnx_logical_network_id	Number	Internal key, foreign key to aps_vnx_logical_network_device
vnx_mover_id	Number	Internal key, foreign key to aps_vnx_mover.vnx_mover_id
vnx_mover_interface_id	Number	Internal key, primary key in aps_vnx_mover_interface
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_mover_log *(EMC VNX (Celerra) Views)*

Contains a single row for each data mover log

Column Name	Data Type	Description
cpu_usage_pct	Number	Percent of CPU Usage
is_vdm	String	State of the VDM
log_date	Date	Date and Time that the Data Mover log was created
mem_usage_pct	Number	Percent of Memory Usage
memory_size_kb	Number	Board main memory size
mover_name	String	Name of the mover
system_name	String	System name
vnx_mover_id	Number	Internal key, primary key in aps_vnx_mover
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system

aps_v_vnx_mover_route *(EMC VNX (Celerra) Views)*

Contains a single row for each mover route

Column Name	Data Type	Description
destination	String	Specifies the IP address of the destination subnet, subnet prefix in case of IPv6
gateway	String	Returns the IP address of the network gateway through which packets to the destination should be routed
interface_name	String	Returns the interface name
ip_version	String	Returns whether the IP address is IPv4 or IPv6 on this Control Station. Default is IPv4
is_default	Char	Returns yes if the route is a default route; otherwise returns no
last_updated	Date	last updated date
mover_name	String	Returns the Name of the mover
mover_obj_id	String	Returns the ID the mover hosted by this host
net_mask	String	Returns the IPv4 subnet mask or IPv6 subnet prefix length
system_name	String	System name
valid_till	Number	Returns the age till when the route entry is valid
vnx_mover_id	Number	Internal key, foreign key to aps_vnx_mover
vnx_mover_interface_id	Number	Internal key, foreign key to aps_vnx_mover_route
vnx_mover_route_id	Number	Internal key, primary key in aps_vnx_mover_route
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_nfs_export *(EMC VNX (Celerra) Views)*

Contains a single row for each nfs export

Column Name	Data Type	Description
file_system_name	String	File system name
file_system_obj_id	String	Specifies the ID of the file system
is_read_only	Char	Indicates if true the file system is exported in "read-only" mode to all clients
last_updated	Date	last updated date

mover_name	String	Returns the Name of the mover
mover_obj_id	String	Returns the ID the mover hosted by this host
path	String	Specifies the exported mount point path
system_name	String	System name
user_id	Number	Returns the unknown user effective user ID
vnx_file_system_id	Number	Returns the ID of the file system which is being exported
vnx_mover_id	Number	Specifies the ID of the mover
vnx_nfs_export_id	Number	Internal key, primary key in aps_vnx_nfs_export
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_nfs_export_host *(EMC VNX (Celerra) Views)*

Contains a single row for each nfs export host

Column Name	Data Type	Description
host_name	String	List of HostName
host_type	String	List of HostType
last_updated	Date	last updated date
system_name	String	System name
vnx_nfs_export_id	Number	Internal key, foreign key to aps_vnx_nfs_export.vnx_nfs_export_id
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_pdev *(EMC VNX (Celerra) Views)*

Contains a single row for each pdev

Column Name	Data Type	Description
bus_nbr	Number	Specifies the bus number on which the disk resides
disk_nbr	Number	Specifies the disk number within the enclosure
disk_state	String	Specifies the current state of the disk
last_updated	Date	last updated date

nbr_of_remapped_blocks	Number	Specifies the number of blocks that have been remapped due to errors
pdev_id	Number	Internal key, foreign key to aps_pdev
storage_obj_id	String	Specifies ID of the Clariion that contains the Disk device
system_name	String	System name
used_capacity_kb	Number	Specifies the amount of disk space already used
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_physical_device *(EMC VNX (Celerra) Views)*

Contains a single row for each physical device

Column Name	Data Type	Description
allowed_speeds	String	Returns a list of speeds allowed on this device
description	String	Returns the description of the device
device_name	String	Specifies the name of the device
device_type	String	Returns the type of the device
irq	Number	Returns the interrupt request level for this device
last_updated	Date	last updated date
mover_name	String	Returns the Name of the mover
mover_obj_id	String	Returns the ID the mover hosted by this host
nbr_of_scsi_chain	Number	Returns the number of SCSI chains in the range
port_nbr	Number	Returns device port number
port_wwn_id	Number	Returns the World Wide Name of the Fibre Channel port
scsi_chain_start	Number	Returns the beginning of the range of virtual SCSI chains this connection emulates
system_name	String	System name
vnx_mover_id	Number	Specifies the ID of the mover host where each device resides
vnx_physical_device_id	Number	Internal key, primary key in aps_vnx_physical_device
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_storage_endpoint *(EMC VNX (Celerra) Views)*

Contains a single row for each endpoint

Column Name	Data Type	Description
director_nbr	Number	Returns the storage director number
director_type	String	directorType is FC or Other
last_updated	Date	last updated date
port_nbr	Number	Returns the director fibre channel port number
port_wwn_id	Number	Returns the world wide name (WWN)
storage_id	String	Returns the storage ID
system_name	String	System name
vnx_physical_device_id	Number	Internal key, foreign key to aps_vnx_physical_device
vnx_storage_endpoint_id	Number	Internal key, primary key in aps_vnx_storage_endpoint
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_storage_pool *(EMC VNX (Celerra) Views)*

Contains a single row for each storage pool

Column Name	Data Type	Description
auto_size_kb	Number	For the pools that are not dynamic, returns the total size of all members of the pool
description	String	Returns the description of the storage pool
disk_type	String	Returns the type of disks that compose this storage pool
is_backend_pool	Char	Whether it is a backend pool
is_contain_slices	Char	Returns the default value of the mayContainSlices property of the NewFileSystem request within the AllocateFrom subelement
is_dynamic	Char	Indicates, if true, this system defined pool can extend or shrink itself
is_greedy	Char	Indicates, if true, this storage pool attempts to create new member volumes before using space from existing member volumes
is_virtual_provisioning	Char	Returns whether virtual provisioning is enabled/disabled on this storage pool
last_updated	Date	last updated date

nbr_of_disk_volumes	Number	Number of disk volumes
nbr_of_stripes	Number	Returns the number of stripe members in the current pool
potential_additional_size_kb	Number	Returns the amount of space that can potentially be added to this storage pool
storage_pool_name	String	Returns the name of the storage pool
storage_pool_obj_id	String	Specifies the ID of the storage pool
storage_system_list	String	Returns the list of IDs of storage systems providing storage for this storage pool
stripe_size_kb	Number	Returns the stripe size in KiB of the current pool
system_name	String	System name
template_pool_obj_id	String	Returns the system storage pool id used to create user-defined pools by size
total_size_kb	Number	Returns the size of the storage pool as it is used in operations
total_virtual_pool_size_kb	Number	Returns the physical size of this system-defined virtual pool as it is used in operations
used_size_kb	Number	Returns the amount of space already used on this storage pool
used_virtual_pool_size_kb	Number	Returns the physical size of this system-defined virtual pool as it is used in operations
vnx_storage_pool_id	Number	Internal key, primary key in aps_vnx_storage_pool
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_storage_pool_log *(EMC VNX (Celerra) Views)*

Contains a single row for each storage pool log

Column Name	Data Type	Description
log_date	Date	log date
nbr_of_disk_volumes	Number	Number of disk volumes
potential_additional_size_kb	Number	Returns the amount of space that can potentially be added to this storage pool
storage_pool_name	String	Returns the name of the storage pool
system_name	String	System name
total_size_kb	Number	Returns the size of the storage pool as it is used in operations
total_virtual_pool_size_kb	Number	Returns the physical size of this system-defined virtual pool as it is used in operations
used_size_kb	Number	Returns the amount of space already used on this storage pool
used_virtual_pool_size_kb	Number	Returns the physical size of this system-defined virtual pool as it is used in operations
vnx_storage_pool_id	Number	Internal key, primary key in aps_vnx_storage_pool

vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id

aps_v_vnx_storage_system *(EMC VNX (Celerra) Views)*

Contains a single row for each Celerra storage system

Column Name	Data Type	Description
avm_allocated_kb	Number	Automatic volume management, allocated volume in KiB
avm_available_kb	Number	Automatic volume management, available volume in KiB
avm_capacity_kb	Number	Automatic volume management capacity in KiB
backend_storage_system_id	Number	Backend storage system ID, for internal use by the database.
component_type	String	Returns the type of component. In this case, system
free_hard_kb	Number	Free Hard size in KiB
free_soft_kb	Number	Free Soft size in KiB
last_updated	Date	last updated date
machine_model	String	Machine model
machine_type	String	Machine type
max_severity	String	Returns the maximum (worst) severity among all problems that the task or query experienced during the run
mvm_allocated_kb	Number	Manual volume management, allocated volume in KiB
mvm_available_kb	Number	Manual volume management, available volume in KiB
mvm_capacity_kb	Number	Manual volume management capacity in KiB
nbr_allocated_luns	Number	Number of allocated luns
nbr_of_disk_volumes	Number	Number of disk volumes
nbr_of_luns	Number	Number of luns
nbr_of_meta_volumes	Number	Number of Meta volumes
nbr_of_movers	Number	Number of mover
nbr_of_pool_volumes	Number	Number of pool volumes
nbr_of_slice_volumes	Number	Number of slice volumes
nbr_of_stripe_volumes	Number	Number of stripe volumes
nbr_of_vdm	Number	Number of vdm mover
savvol_allocated_kb	Number	Savvol allocated volume in KiB

savvol_available_kb	Number	Savvol available volume in KiB
savvol_capacity_kb	Number	Savvol capacity in KiB
serial_nbr	String	Serial number
system_name	String	System name
system_obj_id	String	Specifies the ID of the Celerra system object
system_version	String	System version
total_disk_volume_kb	Number	Total of disk volume in KiB
total_free_kb	Number	Total Soft size in KiB
total_hard_kb	Number	Total Hard size in KiB
total_pool_potential_kb	Number	Total of pool potential in KiB
vnx_storage_system_id	Number	Internal key, primary key in aps_vnx_storage_system

aps_v_vnx_tree *(EMC VNX (Celerra) Views)*

Contains a single row for each tree

Column Name	Data Type	Description
file_system_name	String	File system name
file_system_obj_id	String	Specifies the ID of the file system
grace_period_time_remain_files	Number	Returns the time remaining after the grace period for files has been started
grace_period_time_remain_space	Number	Returns the time that remains after the grace period takes effect
group_files_hard_limit	Number	Specifies the group absolute limit
group_files_soft_limit	Number	Specifies the group soft limit
group_space_hard_limit_kb	Number	Specifies the group space absolute limit in KiB
group_space_soft_limit_kb	Number	Specifies the group space soft limit in KiB
last_updated	Date	last updated date
nbr_of_files_used	Number	Number of files used
space_used_kb	Number	Returns the amount of space currently used by this user in KiB
system_name	String	System name
tree_comment	String	Comment associated with this tree quota
tree_files_hard_limit	Number	Specifies the absolute limit, after which no more files (inodes) can be created

tree_files_soft_limit	Number	Specifies the soft limit for the number of files that can be created
tree_obj_id	String	Specifies the tree ID
tree_path	String	Specifies the path to the directory within the file system
tree_quota_time_remain_files	Number	Returns the time remaining after the tree quota for files has been started
tree_quota_time_remain_space	Number	Returns the time that remains after the quota exceeded soft limit and before the hard limit behavior takes effect
tree_space_hard_limit_kb	Number	Specifies the absolute limit, after which no more data can be written
tree_space_soft_limit_kb	Number	Specifies the soft limit on used space. If the amount of user data on this file system exceeds this limit
user_files_hard_limit	Number	Specifies user absolute limit
user_files_soft_limit	Number	Specifies user soft limit
user_space_hard_limit_kb	Number	Specifies user space absolute limit in KiB
user_space_soft_limit_kb	Number	Specifies user space soft limit in KiB
vnx_file_system_id	Number	Internal key, foreign key to aps_vnx_file_system.vnx_file_system_id
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id
vnx_tree_id	Number	Internal key, primary key in aps_vnx_tree

aps_v_vnx_user_quota *(EMC VNX (Celerra) Views)*

Contains a single row for each user quota

Column Name	Data Type	Description
files_hard_limit	Number	Specifies the absolute limit, after which no more files (inodes) can be created
files_soft_limit	Number	Specifies the soft limit for the number of files that can be created
group_name	String	Group name of the user
is_group	Char	Indicates that if true (default), this is a group and not a user ID
last_updated	Date	last updated date
nbr_of_files_used	Number	Returns the number of files (inodes) currently used
space_hard_limit_kb	Number	Specifies the absolute limit, after which no more data can be written
space_soft_limit_kb	Number	Specifies the soft limit on used space
space_used_kb	Number	Returns the amount of space currently used by this user
system_name	String	System name
time_remain_files	Number	Returns the time remaining after the grace period for files has been started

time_remain_space	Number	Returns the time that remains after the quota exceeded soft limit and before the hard limit behavior takes effect
tree_obj_id	String	Specifies the tree ID
tree_path	String	Specifies the path to the directory within the file system
user_name	String	User name of the user
user_quota_uid	String	Specifies the user or group ID
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id
vnx_tree_id	Number	Internal key, foreign key to aps_vnx_tree.vnx_tree_id
vnx_user_quota_id	Number	Internal key, primary key in aps_vnx_user_quota
win_security_id_list	String	Returns a list of Windows security IDs (users or groups) that correspond to this UID

aps_v_vnx_volume *(EMC VNX (Celerra) Views)*

Contains a single row for each volume

Column Name	Data Type	Description
data_service_policy_list	String	The data service policies associated with the volume object
disk_type	String	Returns the type of the underlying storage device
is_virtual_provisioning	Char	Returns whether virtual provisioning is enabled/disabled on this volume
last_updated	Date	last updated date
lun_nbr	Number	Returns the logical unit number
parent_volume_id	Number	Column not used
size_kb	Number	Returns the size of the volume as it is used in operations
slice_vol_offset	Number	Returns the address of the slice within the volume of which this volume is slice
storage_obj_id	String	Returns the ID of the storage array to which this disk belongs
stripe_size_kb	Number	Returns the size of a single stripe
system_name	String	System name
vnx_logical_unit_id	Number	Internal key, foreign key to aps_vnx_logical_unit.vnx_logical_unit_id
vnx_storage_pool_id	Number	Returns the ID of a storage pool, in case the volume is a direct member of the pool
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id
vnx_volume_id	Number	Internal key, primary key in aps_vnx_volume
volume_name	String	Returns the name of the volume. The name is unique, but mutable

volume_obj_id	String	Specifies the ID of the volume
volume_type	String	Returns the type of the volume

aps_v_vnx_volume_free_space *(EMC VNX (Celerra) Views)*

Contains a single row for each volume free space

Column Name	Data Type	Description
last_updated	Date	last updated date
offset	Number	Returns the offset of the free space chunk from the beginning of the volume
size_kb	Number	Returns the size of the free space chunk
system_name	String	System name
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id
vnx_volume_id	Number	Internal key, foreign key to aps_vnx_volume.vnx_volume_id

aps_v_vnx_volume_log *(EMC VNX (Celerra) Views)*

Contains a single row for each volume log

Column Name	Data Type	Description
log_date	Date	log date
size_kb	Number	Returns the size of the volume as it is used in operations
system_name	String	System name
vnx_storage_system_id	Number	Internal key, foreign key to aps_vnx_storage_system.vnx_storage_system_id
vnx_volume_id	Number	Internal key, primary key in aps_vnx_volume
volume_name	String	Returns the name of the volume. The name is unique, but mutable

EMC VNX (CLARiiON) Views (Go to Top)

aps_v_emc_cla_logical_unit
aps_v_emc_cla_storage_pool
aps_v_emc_cla_storage_pool_log
aps_v_emc_cla_pdev

aps_v_emc_cla_logical_unit *(EMC VNX (CLARiiON) Views)*

contains a single row for each EMC VNX (CLARiiON) logical unit.

Column Name	Data Type	Description
array_name	String	array name
consumed_capacity_gb	Number	consumed capacity in gigabtyes
emc_cla_storage_pool_id	Number	foreign key to logical storage pool details
is_thin	String	Y=Yes, N=No
last_updated	Date	last updated date
logical_unit_id	Number	foreign key to logical unit details
logical_unit_name	String	logical unit name
pool_name	String	storage pool name
storage_array_id	Number	foreign key to logical storage array details

aps_v_emc_cla_pdev *(EMC VNX (CLARiiON) Views)*

contains a single row for each EMC VNX (CLARiiON) physical device.

Column Name	Data Type	Description
array_name	String	storage Array Name
emc_cla_storage_pool_id	Number	foreign key to logical storage pool details
last_updated	Date	last updated date
pdev_id	Number	Pdev ID
pool_name	String	Storage pool name
storage_array_id	Number	foreign key to logical storage array details

aps_v_emc_cla_storage_pool *(EMC VNX (CLARiiON) Views)*

contains a single row for each EMC VNX (CLARiiON) storage pool.

Column Name	Data Type	Description
array_name	String	Storage Array Name
available_capacity_blk	Number	available capacity in blocks
available_capacity_gb	Number	available capacity in GiB
consumed_capacity_blk	Number	consumed capacity in blocks
consumed_capacity_gb	String	consumed capacity in GiB
description	String	storage pool description
disk_type	String	disk type
emc_cla_storage_pool_id	Number	foreign key to logical storage pool details
full_threshold_pct	Number	full threshold percentage
last_updated	Date	last updated date
over_subscribed_blk	Number	over subscribed capacity in blocks
over_subscribed_gb	Number	over subscribed capacity in GiB
pool_id	Number	storage pool ID
pool_name	String	storage pool name
raid_type	String	raid type
raw_capacity_blk	Number	raw capacity in blocks
raw_capacity_gb	Number	raw capacity in GiB
state	String	The state of the storage unit
status	String	storage pool status
storage_array_id	Number	Storage Array ID
subscribed_pct	Number	subscribed percentage
total_subscribed_capacity_blk	Number	total subscribed capcity in blocks
total_subscribed_capacity_gb	Number	total subscribed capacity in GiB
user_capacity_blk	String	user capacity in blocks
user_capacity_gb	Number	user capacity in GiB

aps_v_emc_cla_storage_pool_log *(EMC VNX (CLARiiON) Views)*

contains a single row for each EMC VNX (CLARiiON) storage pool log.

Column Name	Data Type	Description
array_name	String	Storage Array Name
available_capacity_gb	Number	available capacity in GiB
consumed_capacity_gb	Number	consumed capacity in GiB
emc_cla_storage_pool_id	Number	storage pool ID
log_date	Date	Log date
pool_name	String	storage Pool name
storage_array_id	Number	Storage Array ID
total_subscribed_capacity_gb	Number	total subscribed capacity in GiB

EMC VPLEX Views (Go to Top)

aps_v_vpl_backend_logical_unit
aps_v_vpl_backend_storage_syst
aps_v_vpl_connectivity
aps_v_vpl_device
aps_v_vpl_dimm
aps_v_vpl_director
aps_v_vpl_engine
aps_v_vpl_ethernet_port
aps_v_vpl_extent
aps_v_vpl_fc_port
aps_v_vpl_host_to_backend
aps_v_vpl_initiator_port
aps_v_vpl_internal_disk
aps_v_vpl_io_module
aps_v_vpl_log_sys_volume
aps_v_vpl_map_intprt_tgtprt
aps_v_vpl_map_logsys_vol_ext
aps_v_vpl_map_metavol_stgvol
aps_v_vpl_map_stgview_iniprt
aps_v_vpl_map_stgview_tgtprt
aps_v_vpl_map_stgview_vvol
aps_v_vpl_meta_sys_volume
aps_v_vpl_mgmt_ethernet_port
aps_v_vpl_storage_system
aps_v_vpl_storage_view
aps_v_vpl_storage_view_info
aps_v_vpl_storage_volume
aps_v_vpl_storage_volume_log
aps_v_vpl_target_port
aps_v_vpl_target_port_export
aps_v_vpl_virtual_volume
aps_v_vpl_virtual_volume_log

aps_v_vpl_backend_logical_unit *(EMC VPLEX Views)*

The aps_v_vpl_backend_logical_unit contain a single row for each backend logical unit.

Column Name	Data Type	Description
LUNs	String	The logical unit numbers for the LUNs.
active_aao_controller	String	The active controller for the logical unit.
active_aao_visibility	String	List of all directors that have an active path to this logical unit.

alua_support	String	Asymmetrical Logical Unit Access (ALUA) support type
array_name	String	Array name
backend_LUN_id	Number	Foreign key to the backend logical unit
backend_logical_unit_name	String	Name of the backend LUN.
backend_storage_system_name	String	Name of the storage array.
connectivity_status	String	The connectivity status for the LUN.
creation_date	Date	The date and time the VPLEX backend logical unit data was created in the database.
last_updated	Date	The date and time the VPLEX backend logical unit data was last updated in the database.
passive_aan_controller	String	The passive controller for the logical unit.
passive_aan_visibility	String	List of all directors that have a passive path to this logical unit.
storage_volume_name	String	The storage array name associated with the storage volume.
visibility	String	The visibility of the logical unit to controllers; indicates if it is active or not.
vpl_backend_logical_unit_id	Number	Backend logical unit ID, for internal use by the database.
vpl_backend_storage_system_id	Number	Backend storage system ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.
vpl_storage_volume_id	Number	Storage volume ID, for internal use by the database.

aps_v_vpl_backend_storage_syst *(EMC VPLEX Views)*

The aps_v_vpl_backend_storage_syst contain a single row for each backend storage system

Column Name	Data Type	Description
array_name	String	Array name
auto_switch	String	Indicates if auto-trespass will occur for the logical units on the storage array, after a failure.
backend_array_id	Number	Foreign key to the backend storage array
backend_storage_array_ports	String	List of array ports to which VPLEX is connected.
backend_storage_system_name	String	Name of the storage array.
connectivity_status	String	The connectivity status for the LUN.
controllers	String	List of controller names.
creation_date	Date	The date and time the data was created in the database.
last_updated	Date	The date and time when data was last updated in the database.

logical_unit_count	Number	Number of logical units exported from the array.
vpl_backend_storage_system_id	Number	Backend storage system ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.

aps_v_vpl_connectivity *(EMC VPLEX Views)*

The aps_v_vpl_connectivity contain a single row for each connectivity.

Column Name	Data Type	Description
array_name	String	Array name
connectivity_name	String	Connectivity name.
creation_date	Date	The date and time the VPLEX connectivity data was created in the database.
discovery_ip_address	String	The multicast address that the local directors should use to discover the cluster.
discovery_port	Number	The port local directors should use, along with the discovery address, to discover the cluster.
last_updated	Date	The date and time the VPLEX connectivity data was last updated in the database.
listening_port	Number	The port local directors should use to communicate with the cluster.
remote_cluster_address	String	A list of reachable remote clusters.
remote_cluster_id	String	Remote cluster ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.

aps_v_vpl_device *(EMC VPLEX Views)*

The aps_v_vpl_device contain a single row for each device.

Column Name	Data Type	Description
array_name	String	Array name
block_count	Number	The number of blocks in the extent.
block_offset	Number	The block offset of the local device on the underlying storage.
block_size	Number	The size of a single block, in kilobytes.
capacity_gb	Number	The total capacity of the extent in GiB
capacity_kb	Number	The total number of bytes in the extent.

creation_date	Date	The date and time the VPLEX device data was created in the database.
device_name	String	Name of the device.
device_system_id	String	The internal system ID for the storage.
geometry	String	Indicates the geometry or redundancy of this device (RAID level).
health_indications	String	Indicates the reasonfor a health state that is not OK.
health_state	String	Represents an overview of the health of the extent.
is_application_consistent	String	Indicates if the device is application consistent.
is_auto_resume	String	Indicates if this device, if globally visible, will automatically resume at remote clusters.
is_rebuild_allowed	String	Indicates if this device is allowed to rebuild.
last_updated	Date	The date and time the VPLEX device data was last updated in the database.
locality	String	This value will always be set to local for this kind of device.
logical_unit_id	Number	Logical unit ID, for internal use by the database.
operational_status	String	The operational status for the device.
rebuild_eta	String	The estimated time remaining for the current rebuild to complete.
rebuild_progress	String	The percentage of this device that has been rebuilt.
rebuild_status	String	The rebuild status of this device.
rebuild_type	String	The rebuild type.
ruleset_name	String	The rule set applied to this device when the link fails or is restored.
service_status	String	Indicates whether I/O can proceed on the device.
stripe_depth	Number	The depth of a stripe in bytes, when the geometry is set to raid-0.
transfer_size	Number	The transfer size, in bytes, during a rebuild.
virtual_volume_name	String	Name of the virtual volume.
visibility	String	Indicates if this device is being made available to remote clusters.
vpl_device_id	Number	Device ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.

aps_v_vpl_dimm *(EMC VPLEX Views)*

The aps_v_vpl_dimm contain a single row for each dimm.

Column Name	Data Type	Description

array_name	String	Array name
creation_date	Date	The date and time the VPLEX DIMM (dual in-line memory module) data was created in the database.
dimm_name	String	DIMM (dual in-line memory module) name.
director_name	String	Name of the VPLEX director.
last_updated	Date	The date and time the VPLEX DIMM (dual in-line memory module) data was last updated in the database.
operational_status	String	The current operational status of the dual in-line memory module (DIMM).
serial_number	String	The serial number of the DIMM (dual in-line memory module) unit.
vpl_dimm_id	Number	DIMM (dual in-line memory module) ID, for internal use by the database.
vpl_director_id	Number	Director ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.

aps_v_vpl_director *(EMC VPLEX Views)*

The aps_v_vpl_director contain a single row for each director.

Column Name	Data Type	Description
application_status	String	Current status of this application instance.
array_name	String	Array name
cimom	String	The low-level SMI-S interface to the storage firmware.
communication_status	String	The connectivity status between this director instance and the firmware.
creation_date	Date	The date and time the VPLEX director data was created in the database.
description	String	Describes the director's system type.
director_count	Number	The number of directors this director expects at its cluster.
director_family	String	The hardware family to which this director belongs.
director_id	String	The system-generated unique identifier for this director.
director_name	String	Name of the VPLEX director.
director_type	String	The type of VPLEX director.
engine_name	String	Name of the VPLEX engine.
failover_hostname	String	If available, the hostname of the failover connection.
failover_port	Number	If available, the port of the failover connection.
firmware_name	String	Firmware name.

firmware_uid	String	Unique ID for the application instance.
firmware_uptime	String	Uptime for the application instance.
firmware_version	String	The version information of the application.
health_indications	String	Indicates the reasons that a health-state that is not OK.
health_state	String	Indicates the overall health of the director.
hostname	String	Host name or IP address of the remote system.
is_auto_boot	String	Indicates whether the application is automatically booted on power up.
is_auto_restart	String	Indicates whether the application is automatically rebooted after a failure.
is_commissioned	String	Indicates if the director is commissioned: true or false.
is_temp_threshold_exceeded	String	Indicates if the temperature of the director has exceeded the threshold.
is_voltage_threshold_exceeded	String	Indicates if the voltage of the director has exceeded the threshold or not.
last_updated	Date	The date and time the VPLEX director data was last updated in the database.
markerled	String	The current status of the marker LED of the director.
operational_status	String	Indicates the current status of the director.
part_number	String	The EMC part number of this director component.
port	Number	Remote system port used for communication.
revision_number	String	The EMC revision number of this director component.
run_level	Number	The current firmware run level. A higher run level enables more features.
serial_number	String	The EMC serial number of this component.
sp_id	String	The SP ID of the director.
vpl_director_id	Number	Director ID, for internal use by the database.
vpl_engine_id	Number	Engine ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.
vplex_status	String	The state of the VPLEX splitter on this director.
xml_trace_enabled	String	For future use.

aps_v_vpl_engine *(EMC VPLEX Views)*

The aps_v_vpl_engine contain a single row for each engine.

Column Name	Data Type	Description

array_name	String	Array name
cluster_ipseed	String	The cluster IP seed for this engine.
creation_date	Date	The date and time the VPLEX engine data was created in the database.
enclosure_id	String	The enclosure ID for this engine..
engine_family	String	The hardware family to which this engine belongs.
engine_id	String	The system-generated unique engine ID for this engine.
engine_name	String	Name of the VPLEX engine.
health_indications	String	Indicates the reasons that a health-state that is not OK.
health_state	String	Indicates the overall health of the engine.
last_updated	Date	The date and time the VPLEX engine data was last updated in the database.
markerled	String	The current status of the marker LED of the engine.
operational_status	String	Indicates one or more pieces of current status information for the VPLEX engine.
part_number	String	The EMC part number of the engine.
revision_number	String	The EMC revision number of the engine.
serial_number	String	The EMC serial number of the engine.
top_level_assembly	String	The top-level-assembly of the engine.
vpl_engine_id	Number	Engine ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.
wwn_seed	String	The wwn-seed that will be used to generate various wwn values by the directors in this engine.

aps_v_vpl_ethernet_port *(EMC VPLEX Views)*

The aps_v_vpl_ethernet_port contain a single row for each port.

Column Name	Data Type	Description
array_name	String	Array name
config_status	String	Indicates how the port is configured.
creation_date	Date	The date and time the VPLEX Ethernet port data was created in the database.
director_name	String	Name of the VPLEX director.
ethernet_port_name	String	Name of the Ethernet port.
ip_address	String	IP address of the Ethernet port.

is_enabled	String	Indicates if the port is enabled for use.
last_updated	Date	The date and time the VPLEX Ethernet port data was last updated in the database.
mac_address	String	Media Access Control (MAC) address of the Ethernet port.
mtu	Number	Maximum transmission unit (MTU) of the Ethernet port.
operational_status	String	Indicates one or more pieces of current status information for the Ethernet port.
option_set	String	The option set available for this Ethernet port.
port_status	String	The status of this Ethernet port.
protocols	String	The protocols supported on this port.
role	String	Role of the port: initiator or target.
speed	String	Speed of the Ethernet port.
subnet	String	Subnet mask for the Ethernet port.
vpl_director_id	Number	Director ID, for internal use by the database.
vpl_ethernet_port_id	Number	Ethernet Port ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.

aps_v_vpl_extent *(EMC VPLEX Views)*

The aps_v_vpl_extent contain a single row for each extent.

Column Name	Data Type	Description
array_name	String	Array name
block_count	Number	The number of blocks in the extent.
block_offset	Number	The block offset of the extent on the storage volume.
block_size	Number	The size of a single block in the extent, in kilobytes.
capacity_gb	Number	The total capacity of the extent in GiB
capacity_kb	Number	The total number of bytes in the extent.
creation_date	Date	The date and time the VPLEX extent data was created in the database.
device_name	String	Name of the device for the VPLEX extent.
extent_description	String	The description of the extent's underlying storage volume.
extent_itls	String	The initiator target LUN (ITL) triplets by which the underlying storage volume is accessed.
extent_name	String	Name of the extent.

extent_system_id	String	The internal system ID for the storage.
extent_use	String	Indicates how the system is currently using the extent.
health_indications	String	Indicates the reasons for the extent's health state that is not OK.
health_state	String	Represents an overview of the health of the extent.
io_status	String	Indicates the I/O status of the underlying storage volume.
is_application_consistent	String	Whether or not this extent is application-consistent.
last_updated	Date	The date and time the VPLEX extent data was last updated in the database.
locality	String	Indicates how this extent relates to its cluster.
operational_status	String	The operational status for the extent. This indicates whether the extent is functioning and how well it is functioning.
storage_volume_name	String	The storage array name associated with the storage volume.
storage_volume_type	String	Indicates whether the underlying storage volume is data-protected, normal (external header), traditional (internal header) or meta-data.
vendor_specific_name	String	The vendor-specific name for the underlying storage volume.
vpl_device_id	Number	Device ID, for internal use by the database.
vpl_extent_id	Number	Extent ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.
vpl_storage_volume_id	Number	Storage_Volume_ID, for internal use by the database.

aps_v_vpl_fc_port *(EMC VPLEX Views)*

The aps_v_vpl_fc_port contain a single row for each fc port.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the VPLEX FC (Fibre-Channel) port data was created in the database.
current_speed	String	Current speed of the FC (Fibre-Channel) port.
director_name	String	Name of the VPLEX director.
fc_port_name	String	Name of the FC (Fibre-Channel) port.
is_enabled	String	Indicates if the FC (Fibre-Channel) port is currently enabled.
last_updated	Date	The date and time the VPLEX FC (Fibre-Channel) portt data was last updated in the database.
max_speed_bps	String	The maximum speed of the FC (Fibre-Channel) port.
node_wwn	String	World Wide Name for the node

node_wwn_id	Number	Node WWN of the FC (Fibre-Channel) port.
operational_status	String	Indicates the current detailed status of the FC (Fibre-Channel) port.
physical_address	String	A unique, protocol-specific identifier for the end point. For example, for a Fibre Channel communication end point, this would be a port world wide name (WWN).
port_status	String	Indicates the current detailed status of the port in port-specific terminology.
port_wwn	String	World Wide Name for the port
port_wwn_id	Number	Port WWN of the FC (Fibre-Channel) port.
protocols	String	The communication protocols supported on this endpoint.
target_port_name	String	Name of the target port.
topology	String	The topology of the target port.
vpl_director_id	Number	Director ID, for internal use by the database.
vpl_fc_port_id	Number	FC (Fibre-Channel) port ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.
vpl_target_port_id	Number	Target port ID, for internal use by the database.

aps_v_vpl_host_to_backend *(EMC VPLEX Views)*

The aps_v_vpl_host_to_backend contain a single row for each host showing all Vplex LUNs it can see and corresponding backend array LUNs.

Column Name	Data Type	Description
backend_array_id	Number	foreign key to storage array details (backend array).
backend_array_name	String	backend array name
backend_logical_unit_id	Number	foreign key to logical unit details (backend logical unit).
backend_logical_unit_name	String	backend logical unit name
backend_lun_total_capacity_gb	NUMBER	backend LUN total capacity in GiB
backend_lun_total_capacity_kb	NUMBER	backend LUN total capacity in KiB
frontend_array_id	Number	foreign key to storage array details (Vplex array).
frontend_array_name	String	Vplex array name
frontend_logical_unit_id	Number	foreign key to logical unit details (Vplex Virtual Volume).
frontend_logical_unit_name	String	Vplex Virtual Volume name
host_id	Number	foreign key to host details
host_lun	Number	logical unit number as seen on the host side

host_name	String	host_name

aps_v_vpl_initiator_port *(EMC VPLEX Views)*

The aps_v_vpl_initiator_port contain a single row for each initiator port.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the VPLEX initiator port data was created in the database.
initiator_port_name	String	Name of the initiator port.
initiator_port_type	String	Initiator port type
iqn	String	International Qualification Network (IQN). For future use.
is_suspend_on_detach	String	If false, I/O will fail on the detached site after wan-com link failure in VPLEX Metro/Geo. If true, I/O will suspend on the detached site after wan-com link failure in VPLEX Metro/Geo.
last_updated	Date	The date and time the VPLEX initiator port data was last updated in the database.
node_wwn	String	World Wide Name for the node
node_wwn_id	Number	This port node's WWN.
port_wwn	String	World Wide Name for the port
port_wwn_id	Number	This port's WWN.
vpl_initiator_port_id	Number	Initiator port ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.

aps_v_vpl_internal_disk *(EMC VPLEX Views)*

The aps_v_vpl_internal_disk contain a single row for each internal disk.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the VPLEX internal disk data was created in the database.
director_name	String	Name of the VPLEX director.
internal_disk_name	String	Internal disk name

last_updated	Date	The date and time the VPLEX internal disk data was last updated in the database.
marker_led	String	The current status of the marker LED of the internal disk.
operational_status	String	The current operational status of the internal disk.
part_number	String	The EMC part number of the internal disk.
serial_number	String	The EMC serial number of the internal disk.
vpl_director_id	Number	Director ID, for internal use by the database.
vpl_internal_disk_id	Number	Internal disk ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.

aps_v_vpl_io_module *(EMC VPLEX Views)*

The aps_v_vpl_io_module contain a single row for each io module.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the VPLEX I/O module data was created in the database.
director_name	String	Name of the VPLEX director.
family_fru_id	String	Family field-replaceable unit (FRU) ID for the I/O module.
fc_io_module_type	String	Type of the FC (Fibre-Channel) I/O module
io_module_name	String	Name of the I/O module, unique per director.
io_module_type	String	Type of the I/O module
is_present	String	Indicates if the I/O module is present in the hardware: Y or N.
last_updated	Date	The date and time the VPLEX I/O module data was last updated in the database.
marker_led	String	This LED indicates if the I/O module is on or off.
operational_status	String	The current operational status of the I/O module.
part_number	String	Part number of the I/O module.
revision_number	String	Revision number of the I/O module.
serial_number	String	Serial number of the I/O module.
slot_number	Number	Slot number for the I/O module.
vpl_director_id	Number	Director ID, for internal use by the database.
vpl_io_module_id	Number	I/O module ID, for internal use by the database.

vpl_storage_system_id	Number	Storage system ID, for internal use by the database.

aps_v_vpl_log_sys_volume *(EMC VPLEX Views)*

The aps_v_vpl_log_sys_volume contain a single row for each system volume.

Column Name	Data Type	Description
array_name	String	Array name
biggest_free_seg_block_count	Number	The block count of the largest remaining free segment in the logging volume.
block_count	Number	The number of blocks in the logging volume.
block_size	Number	The size of a single block, in kilobytes.
capacity_gb	Number	The total capacity of the logging volume in GiB.
capacity_kb	Number	The total number of bytes in the logging volume.
component_count	Number	The number of mirrors in this logging volume.
creation_date	Date	The date and time the VPLEX log system volume data was created in the database.
free_capacity_gb	Number	The total number of free bytes in the extent in GiB.
free_capacity_kb	Number	The total number of free bytes in the extent.
geometry	String	Indicates the geometry or redundancy of this device.
health_indications	String	Indicates the reasons for a health state that is not OK.
health_state	String	Represents an overview of the health of the logging system volume.
last_updated	Date	The date and time the VPLEX log system volume data was last updated in the database.
locality	String	Will always be set to local for this kind of device.
log_sys_vol_system_id	String	The name/ID for this volume.
log_system_volume_name	String	Logging system volume name.
operational_status	String	Operational status of the log system volume.
supporting_device	String	The local, remote, or distributed device underlying this logging system volume.
volume_type	String	Always set to logging-volume.
vpl_log_sys_volume_id	Number	Log system volume ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.

aps_v_vpl_map_intprt_tgtprt *(EMC VPLEX Views)*

The aps_v_vpl_map_intprt_tgtprt contain a single row for each initiator target port.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the VPLEX initiator and target port-mapping data was created in the database.
initiator_port_name	String	Name of the initiator port.
last_updated	Date	The date and time the VPLEX initiator and target port-mapping data was last updated in the database.
target_port_name	String	Name of the target port.
vpl_initiator_port_id	Number	Initiator port ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.
vpl_target_port_id	Number	Target port ID, for internal use by the database.

aps_v_vpl_map_logsys_vol_ext *(EMC VPLEX Views)*

The aps_v_vpl_map_logsys_vol_ext contain a single row for each log system volume and extent mapping.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the VPLEX log system volume and extent mapping data was created in the database.
extent_name	String	Name of the extent.
last_updated	Date	The date and time the VPLEX log system volume and extent mapping data was last updated in the database.
log_system_volume_name	String	Logging system volume name.
vpl_extent_id	Number	Extent ID, for internal use by the database.
vpl_log_sys_volume_id	Number	Log system volume ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.

aps_v_vpl_map_metavol_stgvol *(EMC VPLEX Views)*

The aps_v_vpl_map_metavol_stgvol contain a single row for each VPLEX meta and storage volume mapping.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the VPLEX meta and storage volume mapping data was created in the database.
last_updated	Date	The date and time the VPLEX meta and storage volume mapping data was last updated in the database.
meta_sys_volume_name	String	Meta-system volume name.
storage_volume_name	String	The storage array name associated with the storage volume.
vpl_meta_sys_volume_id	Number	Meta-system volume ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.
vpl_storage_volume_id	Number	Storage volume ID, for internal use by the database.

aps_v_vpl_map_stgview_iniprt *(EMC VPLEX Views)*

The aps_v_vpl_map_stgview_iniprt contain a single row for each storage view and initiator port mapping.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the VPLEX storage view and initiator port mapping data was created in the database.
initiator_port_name	String	Name of the initiator port.
last_updated	Date	The date and time the VPLEX storage view and initiator port mapping data was last updated in the database.
storage_view_name	String	Name of the storage view.
vpl_initiator_port_id	Number	Initiator port ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.
vpl_storage_view_id	Number	Storage view ID, for internal use by the database.

aps_v_vpl_map_stgview_tgtprt *(EMC VPLEX Views)*

The aps_v_vpl_map_stgview_tgtprt contain a single row for each VPLEX storage view and target port mapping.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the VPLEX storage view and target port-mapping data was created in the database.
last_updated	Date	The date and time the VPLEX storage view and target port-mapping data was last updated in the database.
storage_view_name	String	Name of the storage view.
target_port_name	String	Name of the target port.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.
vpl_storage_view_id	Number	Storage view ID, for internal use by the database.
vpl_target_port_id	Number	Target port ID, for internal use by the database.

aps_v_vpl_map_stgview_vvol *(EMC VPLEX Views)*

The aps_v_vpl_map_stgview_vvol contain a single row for each storage view and virtual volume mapping.

Column Name	Data Type	Description
LUN_nbr	Number	LUN ID.
array_name	String	Array name
creation_date	Date	The date and time the VPLEX storage view and virtual volume mapping data was created in the database.
last_updated	Date	The date and time the VPLEX storage view and virtual volume mapping data was last updated in the database.
logical_unit_id	Number	Logical unit ID, for internal use by the database.
storage_disk_id	String	LUN's storage disk ID.
storage_view_name	String	Name of the storage view.
virtual_volume_name	String	Name of the virtual volume.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.
vpl_storage_view_id	Number	Storage view ID, for internal use by the database.

aps_v_vpl_meta_sys_volume *(EMC VPLEX Views)*

The aps_v_vpl_meta_sys_volume contain a single row for each VPLEX meta system volume.

Column Name	Data Type	Description
array_name	String	Array name
block_count	Number	The number of blocks on the meta-system volume.
block_size	Number	The size of the blocks on the meta-system volume.
capacity_gb	Number	The size of the meta-volume in GiB.
capacity_kb	Number	The size of the meta-volume.
cluster_id	String	VPLEX cluster ID.
component_count	Number	The number of mirrors in this RAID-1 meta-data volume.
creation_date	Date	The date and time the VPLEX meta-system volume data was created in the database.
free_slots	Number	The number of free slots for storage volume headers in this meta-volume.
geometry	String	Indicates the geometry or redundancy of this device. Will always be RAID-1.
health_indications	String	For the meta-system volume, if the health state is not OK, additional information is provided.
health_state	String	Health state of the meta-system volume.
is_active	String	Indicates if this is the currently active metadata volume.
is_application_consistent	String	Indicates if this storage volume is application-consistent.
is_ready	String	Indicates if this meta-system volume is ready: Y or N.
is_rebuild_allowed	String	Indicates if this meta-system volume is allowed to rebuild: Y or N.
last_updated	Date	The date and time the VPLEX meta-system volume data was last updated in the database.
locality	String	Locality of the supporting device.
meta_sys_volume_name	String	Meta-system volume name.
metasys_vol_system_id	String	Name assigned to the meta-system volume.
operational_status	String	Operational status of the meta-system volume.
rebuild_eta	String	The estimated time remaining for the current rebuild to complete.
rebuild_progress	String	The percentage of this device that has been rebuilt.
rebuild_status	String	The rebuild status of this meta-system volume.
rebuild_type	String	The rebuild type.

slots	Number	The total number of slots for storage-volume headers in this meta-system volume.
stripe_depth	Number	The depth of a stripe, in bytes, when the geometry is set to RAID-0.
transfer_size	Number	The transfer size during rebuild, in bytes.
volume_type	String	For meta-system volumes, this value is always set to meta-volume.
vpl_meta_sys_volume_id	Number	Meta-system volume ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.

aps_v_vpl_mgmt_ethernet_port *(EMC VPLEX Views)*

The aps_v_vpl_mgmt_ethernet_port contain a single row for each VPLEX management ethernet port.

Column Name	Data Type	Description
address	String	The IP address of this management Ethernet port interface.
array_name	String	Array name
creation_date	Date	The date and time the VPLEX management Ethernet port data was created in the database.
gateway	String	The gateway address for this management Ethernet port interface.
inet6_address	String	The IPv6 address for this management Ethernet port interface.
inet6_gateway	String	The IPv6 gateway for this management Ethernet port interface.
last_updated	Date	The date and time the VPLEX management Ethernet port data was last updated in the database.
mgmt_enet_port_name	String	Name of the Ethernet port.
net_mask	String	The net mask of this management Ethernet port interface.
vpl_mgmt_ethernet_port_id	Number	Ethernet port ID, for internal use by the database.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.

aps_v_vpl_storage_system *(EMC VPLEX Views)*

The aps_v_vpl_storage_system contain a single row for each VPLEX storage system

Column Name	Data Type	Description
array_name	String	Array name
auto_expel_count	Number	Number of Auto expel count by the cluster.

auto_expel_period	Number	The period for which the cluster cannot participate in the VPLEX.
auto_join_delay	Number	The delay before the cluster can rejoin the system.
cluster_ipseed	String	The cluster IP seed for the storage system.
creation_date	Date	The date and time the VPLEX storage system data was created in the database.
default_cache_mode	String	Default cache mode.
default_director	String	Name of the default director.
default_director_id	Number	Default director's ID.
health_indications	String	If the cluster's health state is not OK, additional information is provided.
health_state	String	Health state of the storage system.
is_allow_auto_join	String	If the clusters allow-auto-join attribute is set to true, the cluster automatically rejoins the system.
is_connected	String	Defines if the command-line interface is connected to at least one director in the cluster.
is_default_caw_template	String	Indicates that this is the default compare-and-write (CAW) template.
island_id	Number	ID of the island. For current release, always 1.
last_updated	Date	The date and time the VPLEX storage system data was last updated in the database.
mgmt_server_name	String	Management server name for the VPLEX storage system.
mgmt_server_serial_number	String	The EMC serial number of management server name for the VPLEX storage system.
nbr_of_backend_arrays	Number	Number of backend arrays in the cluster.
nbr_of_connected_clusters	Number	Number of connected clusters.
nbr_of_engines	Number	Number of engines in the cluster.
nbr_of_extents	Number	Number of Extents in the cluster.
nbr_of_global_devices	Number	Number of global devices in the cluster.
nbr_of_local_devices	Number	Number of local devices in the cluster.
nbr_of_storage_views	Number	Number of storage views in the cluster.
nbr_of_storage_volumes	Number	Number of storage volumes in the cluster.
operational_status	String	Operational status of the cluster.
storage_volume_claim_cap_gb	Number	Claimed capacity of the storage volume in GiB.
storage_volume_claim_cap_kb	Number	Claimed capacity of the storage volume.
storage_volume_total_cap_gb	Number	Total capacity of the storage volume in GiB.
storage_volume_total_cap_kb	Number	Total capacity of the storage volume.
storage_volume_unclaim_cap_gb	Number	Unclaimed capacity of the storage volume in GiB.

storage_volume_unclaim_cap_kb	Number	Unclaimed capacity of the storage volume.
storage_volume_used_cap_gb	Number	Used capacity of the storage volume in GiB.
storage_volume_used_cap_kb	Number	Used capacity of the storage volume.
transition_indications	String	Additional information if the transitioning progress is anything other than blank.
transition_progress	String	Indicates the progress for supported transitions.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.

aps_v_vpl_storage_view *(EMC VPLEX Views)*

The aps_v_vpl_storage_view contain a single row for each VPLEX storage view.

Column Name	Data Type	Description
array_name	String	Array name
controller_tag	String	Controller Tag
creation_date	Date	The date and time the data was created in the database.
health_state	String	Health state of the storage system.
is_caw_enabled	String	The compare-and-write (CAW) enabled flag for the view.
last_updated	Date	The date and time when data was last updated in the database.
nbr_of_virtual_volumes	Number	Number of virtual volumes in the cluster.
operational_status	String	Operational status of the cluster.
storage_view_name	String	Name of the storage view.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.
vpl_storage_view_id	Number	Storage view ID, for internal use by the database.

aps_v_vpl_storage_view_info *(EMC VPLEX Views)*

The aps_v_vpl_storage_view_info contain a single row for each storage view information.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the data was created in the database.

last_updated	Date	The date and time when data was last updated in the database.
path_name	String	The name of the storage path.
storage_path_id	Number	Foreign key to storage path details
storage_view_name	String	Name of the storage view.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.
vpl_storage_view_id	Number	Storage view ID, for internal use by the database.

aps_v_vpl_storage_volume *(EMC VPLEX Views)*

The aps_v_vpl_storage_volume contain a single row for each VPLEX storage volume.

Column Name	Data Type	Description
array_name	String	Array name
block_count	Number	The number of blocks in the VPLEX storage volume.
block_size	Number	The size of a single block, in kilobytes.
capacity_gb	Number	The total capacity of the storage volume in GiB.
capacity_kb	Number	The total number of bytes in the storage volume.
creation_date	Date	The date and time the VPLEX storage volume data was created in the database.
description	String	The description of the storage volume.
free_chunks	String	The block ranges on this storage volume that are available for use.
health_indications	String	Displays reasons for particular health states.
health_state	String	Displays an overview of the extent health.
io_status	String	Indicates the I/O status of the storage volume.
is_application_consistent	String	Defines if this storage volume is application-consistent.
is_thin_rebuild	String	Indicates if thin rebuild has been configured for storage volumes.
itls	String	The (ITLS) initiator-target-LUN triples by which this volume is accessed.
largest_free_chun	Number	The total number of bytes for the largest free chunk.
last_updated	Date	The date and time the VPLEX storage volume data was last updated in the database.
locality	String	Indicates how this extent relates to its cluster.
nbr_of_claimed_volumes	Number	Number of claimed volumes in the storage volume.
nbr_of_extents	Number	Number of extents in the storage volume.

nbr_of_global_devices	Number	Number of global devices in the storage volume.
nbr_of_local_devices	Number	Number of local devices in the storage volume.
nbr_of_unclaimed_volumes	Number	Number of unclaimed volumes in the storage volume.
nbr_of_used_volumes	Number	Number of used volumes in the storage volume.
operational_status	String	The operational status for the storage volume. This indicates if the entity is functioning and how well it is functioning.
storage_vol_system_id	String	The internal system ID for the storage.
storage_volume_name	String	The storage array name associated with the storage volume.
storage_volume_type	String	Indicates whether the storage volume has an associated storage volume header, and whether that header is stored on the storage volume or on a metadata volume.
total_free_space_gb	Number	The total amount of free space on the storage volume in GiB.
total_free_space_kb	Number	The total amount of free space on the storage volume, in bytes.
vendor_specific_name	String	The vendor-specific name for the storage volume.
volume_use	String	Indicates how the system is currently using the storage volume.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.
vpl_storage_volume_id	Number	Storage volume ID, for internal use by the database.

aps_v_vpl_storage_volume_log *(EMC VPLEX Views)*

The aps_v_vpl_storage_volume_log contain a single row for each VPLEX storage volume log.

Column Name	Data Type	Description
array_name	String	Array name
block_count	Number	The number of blocks in the storage volume.
block_size	Number	The size of a single block, in kilobytes.
capacity_gb	Number	The total capacity of the storage volume in GiB.
capacity_kb	Number	The total number of bytes in the storage volume.
largest_free_chun	Number	The total number of bytes for the largest free chunk.
log_date	Date	The date and time the samples were collected.
nbr_of_claimed_volumes	Number	Number of claimed volumes in the storage volume.
nbr_of_extents	Number	Number of extents in the storage volume.
nbr_of_global_devices	Number	Number of global devices in the storage volume.
nbr_of_local_devices	Number	Number of local devices in the storage volume.

nbr_of_unclaimed_volumes	Number	Number of unclaimed volumes in the storage volume.
nbr_of_used_volumes	Number	Number of used volumes in the storage volume.
storage_volume_name	String	The storage array name associated with the storage volume.
total_free_space_gb	Number	The total amount of free space on the storage volume, in GiB.
total_free_space_kb	Number	The total amount of free space on the storage volume, in bytes.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.
vpl_storage_volume_id	Number	Storage volume ID, for internal use by the database.

aps_v_vpl_target_port *(EMC VPLEX Views)*

The aps_v_vpl_target_port contain a single row for each VPLEX target port.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the VPLEX target port data was created in the database.
director_id	String	Director ID associate with this array port.
director_name	String	Name of the VPLEX director.
export_status	String	This port's export status.
hard_address_acquisition	String	The hard address acquisition flag for the port.
iqn	String	International Qualification Network (IQN). For future use.
is_enabled	String	Indicates if the port is enabled.
last_updated	Date	The date and time the VPLEX target port data was last updated in the database.
node_wwn	String	World Wide Name for the node
node_wwn_id	String	This port's node World Wide Name (WWN).
port_id	String	The target port ID.
port_wwn	String	World Wide Name for the port
port_wwn_id	String	This port's World Wide Name (WWN).
status	String	Port status.
target_port_name	String	Name of the target port.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.
vpl_target_port_id	Number	Target port ID, for internal use by the database.

aps_v_vpl_target_port_export *(EMC VPLEX Views)*

The aps_v_vpl_target_port_export contain a single row for each VPLEX target port export.

Column Name	Data Type	Description
LUN_nbr	Number	The number of the LUN.
array_name	String	Array name
creation_date	Date	The date and time the VPLEX target port export data was created in the database.
export_status	String	This target port's export status.
host_id	Number	Host ID, for internal use by the database.
host_name	String	Host Name
last_updated	Date	The date and time the VPLEX target port export data was last updated in the database.
logical_unit_id	Number	Logical unit ID, for internal use by the database.
target_port_name	String	Name of the target port.
virtual_volume_name	String	Name of the virtual volume.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.
vpl_target_port_id	Number	Target port ID, for internal use by the database.

aps_v_vpl_virtual_volume *(EMC VPLEX Views)*

The aps_v_vpl_virtual_volume contain a single row for each VPLEX virtual volume.

Column Name	Data Type	Description
array_name	String	Array name
block_count	Number	The number of blocks in the extent.
block_size	Number	The size of a single block, in kilobytes.
cache_mode	String	Indicates if the cache flushes dirty data synchronously or asynchronously.
capacity_gb	Number	The total capacity of the virtual volume in Gib
capacity_kb	Number	The total number of bytes in the virtual volume.
consistency_group	String	The name of the consistency group to which this volume belongs, if any.

creation_date	Date	The date and time the VPLEX virtual volume data was created in the database.
health_indications	String	Indicates the reasons for a health state that is not functioning normally. Represents an overview of the health of the underlying devices.
health_state	String	Health state of the virtual volume.
is_expandable	String	Indicates if the virtual volume can be expanded.
last_updated	Date	The date and time the VPLEX virtual volume data was last updated in the database.
locality	String	Locality of the virtual volume.
logical_unit_id	Number	Logical unit ID, for internal use by the database.
nbr_of_devices	Number	Number of devices in the virtual volume.
operational_status	String	Operational status of the virtual volume.
recoverpoint_usage	String	The replication role this virtual volume is being used for by any attached recover point clusters.
scsi_release_delay	Number	A SCSI release delay time in milliseconds.
service_status	String	The service status of the virtual volume.
storage_tier	String	The storage tier for the virtual volume.
supporting_device	String	The local, remote, or distributed device underlying this volume.
virtual_volume_name	String	Name of the virtual volume.
virtual_volume_system_id	String	Storage system ID, for internal use by the database.
volume_type	String	Volume type, which is always set to virtual volume.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.

aps_v_vpl_virtual_volume_log *(EMC VPLEX Views)*

The aps_v_vpl_virtual_volume_log contain a single row for each VPLEX virtual volume log.

Column Name	Data Type	Description
array_name	String	Array name
block_count	Number	The number of blocks in the extent.
block_size	Number	The size of a single block, in kilobytes.
capacity_gb	Number	The total capacity of the virtual volume in GiB.
capacity_kb	Number	The total number of bytes in the virtual volume.
log_date	Date	The date and time the samples were collected.
logical_unit_id	Number	Logical unit ID, for internal use by the database.

nbr_of_devices	Number	Number of devices in the virtual volume.
virtual_volume_name	String	Name of the virtual volume.
vpl_storage_system_id	Number	Storage system ID, for internal use by the database.

EMC XtremIO Views (Go to Top)

sdk_v_exio_datareductionrate

sdk_v_exio_datareductionrate *(EMC XtremIO Views)*

XtremIO compression history.

Column Name	Data Type	Description
array_id	Number	Storage Array ID of the cluster.
compress_factor_last_sample	Number	Compression factor when last sample was collected.
compress_factor_txt	String	Cluster-wide compression space saving impact, represented by a ratio of X:1. Presented with 1 decimal digit, appends :1 to the value, for example, a value of 4.2 shows 4.2:1.
compress_mode	String	Displays the compression mode. This is always enabled.
compression_factor	Number	Cluster-wide compression factor reflecting the overall space saving effects of compression.
creation_date	Date	Creation Date
dedup_ratio	Number	The current ratio of deduplication space in use to total logical space in use for the cluster.
dedup_ratio_txt	String	Clusters total deduplication ratio.
dedup_space_used	Number	Total physical space in KiB occupied by deduplication data, after the redundant data has been removed.
last_updated	Date	Last Updated Date
space_save_ratio	Number	This ratio is dedup_space_in_use/vol_size.
thin_provisioning	Number	The ratio of the total provisioned capacity to the logical space in use.
timestamp	Date	UTC date and time when the measurement was made.

Hitachi Content Platform (HCP) Views (Go to Top)

aps_v_namespace
aps_v_namespace_stats_log
aps_v_node
aps_v_node_log
aps_v_tenant
aps_v_tenant_stats_log

aps_v_namespace *(Hitachi Content Platform (HCP) Views)*

Contains a single row for each namespace.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	Date and time this namespace was created
last_updated	Date	Last updated date
namespace_id	Number	foreign key to namespace details
namespace_name	String	Name of the namespace.
nbr_of_objects	Number	The total number of objects and versions stored in the namespace.
nbr_of_objects_del	Number	The number of objects and versions that have been deleted and are waiting to be shredded.
nbr_of_objects_meta	Number	The number of objects and versions that have one or more annotations.
objects_del_capacity_kb	Number	The amount of storage occupied by the objects and versions that are waiting to be shredded in KiB.
objects_meta_capacity_kb	Number	The amount of storage occupied by custom metadata in all annotations for all objects in KiB.
soft_quota_pct	Number	The threshold (% of the total capacity) when the system notifies the tenant that free storage space for the namespace is running low.
storage_array_id	Number	foreign key to storage array details
tenant_id	Number	Identifies the tenant.
tenant_name	String	Name of the tenant
total_capacity_kb	Number	The amount of storage allocated to the namespace in KiB. This is the total space available for all data stored in the namespace, including object data, metadata, and redundant data.
used_capacity_kb	Number	The amount of storage currently occupied by all data stored in the namespace in KiB, including object data, metadata, and any redundant data.

aps_v_namespace_stats_log *(Hitachi Content Platform (HCP) Views)*

Contains statistics data for namespaces.

Column Name	Data Type	Description
array_name	String	Array name
deleted	String	Namespace or tenant delete status.

end_time	Date	The end time of the reporting interval for the set of statistics.
ingested_volume_kb	Number	Amount of stored data and custom metadata before it was added to the namespace in KiB.
is_valid	String	The status of the set of statistics in the line.
log_date	Date	Log Date
metadata_only_kb	Number	Amount of storage occupied by metadata only in KiB.
namespace_id	Number	foreign key to namespace details
namespace_name	String	Name of the namespace.
nbr_of_delete_ops	Number	Number of namespace delete or purge operations.
nbr_of_meta_objects	Number	The total number of objects that are currently metadata-only in the identified namespace, in all the namespaces owned by the identified tenant, or in all the namespaces in the system.
nbr_of_read	Number	Number of namespace reads.
nbr_of_tier_objects	Number	Number of objects with tiered storage.
nbr_of_write	Number	Number of namespace writes.
object_count	Number	Number of objects associated with the namespace.
read_kb	Number	Number of KB read from the namespace.
start_time	Date	The start time of the reporting interval for the set of statistics.
storage_array_id	Number	foreign key to storage array details
storage_capacity_used_kb	Number	Amount of the primary storage that is in use by namespaces in KiB.
tenant_id	Number	Identifies the tenant.
tier_kb	Number	Amount of tiered capacity used by the namespace.
write_kb	Number	Number of KB written to the namespace.

aps_v_node *(Hitachi Content Platform (HCP) Views)*

Contains a single row for each node.

Column Name	Data Type	Description
array_name	String	Array name
available_logical_kb	Number	Total amount of unused space on all the logical volumes managed by the node in KiB.
boot_time	Date	Date and time the node last started.
creation_date	Date	Date and time this node was created

hardware_type	String	Type of hardware used for the node.
id	String	Permanent ID for the node.
ip_address	String	IP of the node.
last_updated	Date	Last updated date
node_id	Number	foreign key to node details
node_status	String	Current status of the node.
node_type	String	The type of node.
san_status	String	Indication of the status of the SAN path. Possible values: 0 = error, 1 = rain, 2 = sanWithoutMultipath, 3 = sanGood, 4 = sanDegradedToOne.
storage_array_id	Number	foreign key to storage array details
total_logical_kb	Number	Total amount of storage space on all the logical volumes managed by the node in KiB.
used_logical_kb	Number	Total amount of used space on all the logical volumes managed by the node in KiB.

aps_v_node_log *(Hitachi Content Platform (HCP) Views)*

Contains audit information for nodes

Column Name	Data Type	Description
array_name	String	Array name
available_logical_kb	Number	Total amount of unused space on all the logical volumes managed by the node in KiB.
log_date	Date	Log Date
node_id	Number	foreign key to node details
storage_array_id	Number	foreign key to storage array details
total_logical_kb	Number	Total amount of storage space on all the logical volumes managed by the node in KiB.
used_logical_kb	Number	Total amount of used space on all the logical volumes managed by the node in KiB.

aps_v_tenant *(Hitachi Content Platform (HCP) Views)*

Contains a single row for each tenant.

Column Name	Data Type	Description
address_city	String	Tenant contact city.

address_country	String	Tenant contact country.
address_state	String	Tenant contact state or province.
address_street	String	First line of the tenant contact address.
address_zipcode	String	Tenant contact zip or postal code.
allocated_quota	Number	Total amount of storage that the tenant has allocated to its namespaces in KiB.
array_name	String	Array name
contact_first_name	String	First name of the tenant contact.
contact_last_name	String	Last name of the tenant contact.
creation_date	Date	Date and time this tenant was created
description	String	The description of the tenant.
email_address	String	Tenant contact email address.
hard_quota	Number	Hard quota for the tenant. This is the total amount of storage available to the tenant.
last_updated	Date	Last updated date
logical_used_kb	Number	Total size of the stored data and custom metadata before it was added to the namespaces owned by the tenant in KiB.
namespace_quota	Number	Namespace quota for the tenant.
nbr_of_namespaces	Number	Number of namespaces owned by the tenant.
nbr_of_objects_indexed	Number	Number of indexed objects currently stored in all namespaces owned by the tenant.
nbr_of_objects_stored	Number	Number of objects currently stored in all namespaces owned by the tenant.
phone	String	Tenant contact telephone number.
phone_ext	String	Tenant contact phone extension.
physical_used_kb	Number	Total amount of storage used by all the namespaces owned by the tenant to store object data and metadata in KiB.
soft_quota	Number	Soft quota for the tenant.
storage_array_id	Number	foreign key to storage array details
tenant_id	Number	foreign key to tenant details
tenant_name	String	Name of the tenant.

aps_v_tenant_stats_log *(Hitachi Content Platform (HCP) Views)*

Contains statistics data for tenants.

Column Name	Data Type	Description

array_name	String	Array name
deleted	String	Tenant or tenant delete status.
end_time	Date	The end time of the reporting interval for the set of statistics.
ingested_volume_kb	Number	Amount of stored data and custom metadata before it was added to the tenant in KiB.
is_valid	String	The status of the set of statistics in the line.
log_date	Date	Log Date
metadata_only_kb	Number	Amount of storage occupied by metadata only in KiB.
nbr_of_delete_ops	Number	Number of tenant delete or purge operations.
nbr_of_meta_objects	Number	The total number of objects that are currently metadata-only in the identified tenant, in all the tenants owned by the identified tenant, or in all the tenants in the system.
nbr_of_read	Number	Number of tenant reads.
nbr_of_tier_objects	Number	Number of objects with tiered storage.
nbr_of_write	Number	Number of tenant writes.
object_count	Number	Number of objects associated with the tenant.
read_kb	Number	Number of KB read from the tenant.
start_time	Date	The start time of the reporting interval for the set of statistics.
storage_array_id	Number	foreign key to storage array details
storage_capacity_used_kb	Number	Amount of the primary storage that is in use by tenants in KiB.
tenant_id	Number	foreign key to tenant details
tenant_name	String	Name of the tenant.
tier_kb	Number	Amount of tiered capacity used by the tenant.
write_kb	Number	Number of KB written to the tenant.

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aps_v_hds_array_group *(Hitachi Data Systems Views)*

Contains a single row for each HDS array group.

Column Name	Data Type	Description
allocated_capacity_gb	Number	Allocated configured capacity in GiB
array_group_id	Number	foreign key to array group(RAID group) details
array_name	String	Array name
chassis_nbr	Number	Chassis Number
clpr_nbr	Number	CLPR Number
controller_nbr	Number	Controller number
cu_group_nbr	Number	CU Group Number
cu_info	String	The list of CU number related to this array group
disk_size_gb	Number	Disk size in GiB
emulation	String	Emulation
free_capacity_gb	Number	Free configured capacity in GiB
group_name	String	Name of the server group
group_nbr	Number	Group number
im_allocated_capacity_gb	Number	Size in GiB of all LDEVs of the intermediate volume in this array group that have paths
im_hi_capacity_gb	Number	Size in GiB of all LDEVs of the intermediate volume in this array group reserved for Hitachi VolumeMigration
im_on_demand_capacity_gb	Number	Size in GiB of all LDEVs of the intermediate volume in this array group used for Just-In-Time Storage
im_total_capacity_gb	Number	Total size in GiB of all LDEVs of the intermediate volume in this array group
is_internal	String	Y=Yes, N=No
journal_pool_id	Number	Foreign key to aps_v_hds_journal_pool
largest_free_space_gb	Number	largest free space available on the storage array in GiB
last_updated	Date	Last updated date
mf_allocated_capacity_gb	Number	Size in GiB of all LDEVs of the mainframe volume in this array group specified as allocated
mf_free_capacity_gb	Number	Size in GiB of all LDEVs of the mainframe volume in this array group that do not have paths
mf_hi_capacity_gb	Number	Size in GiB of all LDEVs of the mainframe volume in this array group reserved for Hitachi VolumeMigration
mf_on_demand_capacity_gb	Number	Size in GiB of all LDEVs of the mainframe volume in this array group used for Just-In-Time Storage

mf_total_capacity_gb	Number	Total size in GiB of all LDEVs of the mainframe volume in this array group
object_id	String	unique internal identifier for the array group
on_demand_capacity_gb	Number	Size in GiB of all LDEVs in this array group used for Just-In-Time Storage
open_allocated_capacity_gb	Number	Size in GiB of all LDEVs of the open volume in this array group that have paths
open_free_capacity_gb	Number	Size in GiB of all LDEVs of the open volume in this array group that do not have paths
open_hi_capacity_gb	Number	Size in GiB of all LDEVs of the open volume in this array group reserved for Hitachi VolumeMigration
open_on_demand_capacity_gb	Number	Size in GiB of all LDEVs of the open volume in this array group used for Just-In-Time Storage
open_total_capacity_gb	Number	Total size in GiB of all LDEVs of the open volume in this array group
overhead_gb	Number	Overhead in GiB
raid_type	String	RAID type of used by the volume: possible values disk - non raided else RAID1,RAID2...RAID5 etc
reserved_vol_mig_gb	Number	Reserved volume migration in GiB
slpr_nbr	Number	SLPR Number
storage_array_id	Number	foreign key to storage array details
total_capacity_gb	Number	Total configured capacity in GiB
total_free_space_gb	Number	Total free space in GiB

aps_v_hds_array_port *(Hitachi Data Systems Views)*

Contains a single row for each HDS Array Port.

Column Name	Data Type	Description
controller_id	Number	The port controller for this port.
cu_group_nbr	Number	Control Unit (CU) group number.
display_name	String	Display name of the port
fibre_address	String	Fibre Address
is_lun_security_enabled	Char	Indicates if LUN Security is enabled for this port.
last_updated	Date	Date/Time on which this HDS Array port was last updated
port_id	Number	Internally generated sequential ID that uniquely identifies the array port.
port_option	String	Port Option
port_speed_gbps	Number	Port Speed in GB per sec
port_type	Number	Enumeration of the Port Type

slpr_nbr	Number	Storage Logical Partition (SLPR) number.
storage_array_id	Number	Storage Array ID
topology_type	Number	Fibre topology.

aps_v_hds_journal_pool *(Hitachi Data Systems Views)*

Contains a single row for each HDS journal pool.

Column Name	Data Type	Description
allocated_capacity_kb	Number	Allocated Capacity in KiB
array_name	String	Array name
auto_migration	Number	Migration mode on Hitachi Dynamic Tiering pool.
capacity_kb	Number	Total capacity in KiB
capacity_of_vvols_kb	Number	Total capacity of vvols in KiB
clpr_number	Number	clpr number
combination	String	The combination of data disks and parity disks in the RAID Configuration.
controller_id	Number	Controller ID
data_overflow_watch	Number	Data overflow watch
delta_resync_failure	Number	Delta resync failure
disk_type	Number	The flag which distinguishes the kind of disk drive.
external_mix_compatible	Number	Indicates whether to enable coexistence of external pool volumes and internal pool volumes in a journal pool.
forward_path_watch_time	Number	Forward path watch time
free_capacity_kb	Number	Free capacity in KiB
inflow_control	Number	Inflow control
journal_pool_id	Number	Sequence generated Primary key
last_monitor_end_date	Date	Time when monitoring of the pool last ended as seconds elapsed since January 1, 1970, 00:00:00 UT (GMT).
last_monitor_start_date	Date	Time when monitoring of the pool last started as seconds elapsed since January 1, 1970, 00:00:00 UT (GMT).
last_updated	Date	Date and time last updated
migration_interval	Number	Auto migration interval on Hitachi Dynamic Tiering.
monitor_end_time	String	Monitor end time on Hitachi Dynamic Tiering.
monitor_mode	Number	Monitoring Mode on Hitachi Dynamic Tiering.

monitor_side_state	Number	Indicates the state in which the monitor side is at.
monitor_start_time	String	Monitor start time on Hitachi Dynamic Tiering.
monitor_state	Number	Indicates whether the monitoring is in progress or not.
nbr_of_pool_vols	Number	Number of pool volumes
nbr_of_tiers	Number	Number of multiple tiers in a pool.
nbr_of_vvols	Number	Number of vvols
object_id	String	Object ID
path_watch_time	Number	path watch time
pool_function	Number	Pool function
pool_id	Number	Pool ID
pool_name	String	Pool Name.
pool_type	Number	Pool type
raid_level	String	RAID level
relocate_use_monitor	Number	The Monitor side to be used on relocation.
relocation_progress	Number	The progress rate of the relocation in percent.
relocation_state	Number	Indicates whether the relocation is in progress or not.
rpm	Number	Revolutions per minute of drive in the pool.
speed_of_line	Number	Speed of line
status	Number	Status of the pool
storage_array_id	Number	Foreign key to aps_storage_array
threshold	Number	Threshold of the pool
threshold2	Number	Threshold2 of the pool
threshold_vol_forewarn	Number	JournalPool threshold used to monitor Over
threshold_vol_overwarn	Number	JournalPool threshold used to monitor Over
tier_control	Number	Tiering mode on Hitachi Dynamic
unallocated_capacity_kb	Number	Unallocated Capacity in KiB
unit_of_path_watch_time	Number	Unit of path watch time
usage_rate	Number	Usage rate
use_of_cache	Number	Use of cache
volume_threshold_flag	Number	The flag which distinguishes whether Over Provisioning Percent warning is effective or not.

aps_v_hds_journal_pool_log *(Hitachi Data Systems Views)*

Contains a single row for each HDS journal pool log.

Column Name	Data Type	Description
allocated_kb	Number	allocated capacity in KiB
allocated_warn_kb	Number	allocated warn capacity in KiB
array_name	String	array name
associated_warn_kb	Number	associated warn capacity in KiB
auto_migration	Number	Migration mode on Hitachi Dynamic Tiering pool.
available_kb	Number	available capacity in KiB
capacity_kb	Number	Total capacity in KiB
capacity_of_vvols_kb	Number	capacity of vvols in KiB
combination	String	The combination of data disks and parity disks in the RAID Configuration.
controller_id	Number	controller ID
disk_type	Number	The flag which distinguishes the kind of disk drive.
external_mix_compatible	Number	Indicates whether to enable coexistence of external pool volumes and internal pool volumes in a journal pool.
journal_pool_id	Number	foreign key to journal pool details
last_monitor_end_date	Date	Time when monitoring of the pool last ended as seconds elapsed since January 1, 1970, 00:00:00 UT (GMT).
last_monitor_start_date	Date	Time when monitoring of the pool last started as seconds elapsed since January 1, 1970, 00:00:00 UT (GMT).
log_date	Date	log date
migration_interval	Number	Auto migration interval on Hitachi Dynamic Tiering.
monitor_end_time	String	Monitor end time on Hitachi Dynamic Tiering.
monitor_mode	Number	Monitoring Mode on Hitachi Dynamic Tiering.
monitor_side_state	Number	Indicates the state in which the monitor side is at.
monitor_start_time	String	Monitor start time on Hitachi Dynamic Tiering.
monitor_state	Number	Indicates whether the monitoring is in progress or not.
nbr_of_pool_vols	Number	number of pool volumes
nbr_of_tiers	Number	Number of multiple tiers in a pool.
nbr_of_vvols	Number	number of vvols

pool_function	Number	pool function
pool_id	Number	pool ID
pool_name	String	Pool Name.
pool_type	Number	pool type
raid_level	String	RAID level
relocate_use_monitor	Number	The Monitor side to be used on relocation.
relocation_progress	Number	The progress rate of the relocation in percent.
relocation_state	Number	Indicates whether the relocation is in progress or not.
rpm	Number	Revolutions per minute of drive in the pool.
status	Number	status
storage_array_id	Number	foreign key to storage array details
threshold	Number	threshold
threshold2	Number	threshold 2
threshold_vol_forewarn	Number	JournalPool threshold used to monitor Over
threshold_vol_overwarn	Number	JournalPool threshold used to monitor Over
tier_control	Number	Tiering mode on Hitachi Dynamic
touched_kb	Number	touched capacity in KiB
unallocated_kb	Number	unallocated capacity in KiB
usage_rate	Number	usage rate
volume_threshold_flag	Number	The flag which distinguishes whether Over Provisioning Percent warning is effective or not.

aps_v_hds_journal_pool_tier *(Hitachi Data Systems Views)*

Contains a single row for each HDS journal pool tier.

Column Name	Data Type	Description
array_name	String	Array name
combination	Number	The combination of data disks and parity disks in the RAID Configuration.
disk_type	Number	The flag which distinguishes the kind of disk drive.
free_capacity_kb	Number	Free capacity of JournalPoolTier in KiB
journal_pool_id	Number	Foreign key to aps_hds_journal_pool

journal_pool_tier_id	Number	Sequence generated Primary key
last_updated	Date	Date and time last updated
name	String	Name assigned by the user to the tier
object_id	String	A JournalPoolTier describes a tier of pool volumes
raid_level	Number	RAID level
rpm	Number	Revolutions per minute of drive in the tier.
storage_array_id	Number	Foreign key to aps_storage_array
substance	Number	Indicates whether volumes in JournalPoolTier is external volumes.
tier_id	Number	Identifying number of the tier
total_capacity_kb	Number	Capacity of JournalPoolTier in KiB.
usage_rate	Number	Usage rate of JournalPoolTier.

aps_v_hds_ldev *(Hitachi Data Systems Views)*

Contains a single row for each HDS logical disk.

Column Name	Data Type	Description
array_group_id	Number	foreign key to array group(RAID group) details
array_group_name	String	array group name
array_name	String	array name
cache_residency_mode	Number	cache residency mode
capacity_gb	Number	capacity in GiB
capacity_kb	Number	capacity in KiB
chassis_nbr	Number	chassis number
clpr_nbr	Number	CLPR number
cu_group_nbr	Number	CU group number
device_nbr	Number	device number
device_type	String	device type
disk_type	Number	disk type
dp_tier0_consumed_kb	Number	Consumed capacity of volume in KiB on tier 0
dp_tier1_consumed_kb	Number	Consumed capacity of volume in KiB on tier 1

dp_tier2_consumed_kb	Number	Consumed capacity of volume in KiB on tier 2
dp_type	Number	HDP/HDT volume type
emulation_mode	String	emulation mode
external_tier_rank	Number	Indicates performance rank of external pool volumes.
guard_mode	String	guard mode
hi_hsm_owner_id	Number	Hi HSM owner ID
is_composite	String	Y=Yes, N=No
is_hihsm_reserved	String	Y=Yes, N=No
is_internal	String	Y=Yes, N=No
label	String	label
last_updated	Date	last updated date
ldev_id	Number	foreign key to ldev details
ldev_name	String	ldev name
logical_unit_id	Number	foreign key to logical unit details
nbr_of_cylinders	Number	number of cylinders
nbr_of_lba	Number	number of LBA
object_id	String	a unique identifier for ldev
on_demand	String	Y=Yes, N=No
on_standard	String	Y=Yes, N=No
path_exists	String	Y=Yes, N=No
raid_type	String	raid type
slot_size_kb	Number	slot size in KiB
slpr_nbr	Number	SLPR number
storage_array_id	Number	foreign key to storage array details
stripe_size_kb	Number	stripe size in KiB
threshold	Number	Threshold of volume.
tier_level	Number	Tiering policy level of HDT volume.
tier_relocation	Number	The performing of the tier relocation.
volume_kind	Number	volume kind
volume_type	Number	volume type

aps_v_hds_ldev_log *(Hitachi Data Systems Views)*

Contains a single row for each HDS logical disk log.

Column Name	Data Type	Description
array_name	String	array name
dp_tier0_consumed_kb	Number	Consumed capacity of volume in KiB on tier 0
dp_tier1_consumed_kb	Number	Consumed capacity of volume in KiB on tier 1
dp_tier2_consumed_kb	Number	Consumed capacity of volume in KiB on tier 2
external_tier_rank	Number	Indicates performance rank of external pool volumes.
ldev_id	Number	foreign key to ldev details
ldev_name	String	ldev name
log_date	Date	log date
storage_array_id	Number	foreign key to storage array details
tier_level	Number	Tiering policy level of HDT volume.
tier_relocation	Number	The performing of the tier relocation.

aps_v_hds_logical_unit *(Hitachi Data Systems Views)*

Contains a single row for each HDS logical unit.

Column Name	Data Type	Description
array_name	String	array name
chassis_nbr	Number	chassis number
command_device_type	Number	command device type
consumed_capacity_gb	Number	consumed capacity in GiB
consumed_capacity_kb	Number	consumed capacity in KiB
current_port_controller	Number	current port controller
default_port_controller	Number	default port controller
device_nbr	Number	device number

dp_pool_id	Number	DP pool ID
dp_type	Number	DP type
emulation_type	String	emulation type
is_command_device	String	Y=Yes, N=No
is_command_device_security	String	Y=Yes, N=No
is_composite	String	Y=Yes, N=No
is_diff_mgmt_volume	String	Y=Yes, N=No
is_external_volume	String	Y=Yes, N=No
is_internal	String	Y=Yes, N=No
is_system_volume	String	Y=Yes, N=No
journal_pool_id	Number	foreign key to HDS journal pool details
logical_unit_id	Number	foreign key to logical unit details
logical_unit_name	String	logical unit name (or device number for un-named LUNs)
nbr_logical_devices	Number	Number of logical devices
path_exists	String	Y=Yes, N=No
pool_id	Number	pool ID
quick_shadow_pool_id	Number	quick shadow pool id
quick_shadow_vol_type	String	quick shadow volume type
shadow_image_vol_type	String	shadow image volume type
storage_array_id	Number	foreign key to storage array details
tca_pool_id	Number	tca_pool_id
threshold	Number	threshold
true_copy_vol_type	String	true copy volume type
univ_replicator_vol_type	Number	Replicator volume type
ur_pool_id	Number	UR pool ID

aps_v_hds_pdev *(Hitachi Data Systems Views)*

Contains a single row for each HDS physical device

Column Name	Data Type	Description

array_group_id	Number	Foreign key to aps_v_array_group
array_group_name	String	Array Group Name
array_name	String	Name of the Array
capacity_gb	Number	Capacity in GiB
capacity_kb	Number	Capacity in KiB
chassis_nbr	Number	Chassis number
disk_type	Number	Disk Type
dku_type	String	DKU type
drive_col	Number	Drive column
drive_depth	Number	Drive depth
drive_role	Number	Drive role
drive_row	Number	Drive row
firmware_version	String	Firmware version
model	String	pdev Model
object_id	String	Object ID
pdev_id	Number	Foreign key to aps_v_pdev
pdev_name	String	pdev Name
raid_type	String	Raid Type
rpm	Number	RPM
serial_nbr	String	Serial Number
storage_array_id	Number	Foreign key to aps_v_storage_array
vendor	String	Vendor of the pdev

aps_v_hds_replication *(Hitachi Data Systems Views)*

Contains a single row for each HDS replication.

Column Name	Data Type	Description
copy_track_size	Number	The copy track size represents the copy pace.
creation_date	Date	The date and time the HDS Replication data was created in the database.
domain_id	Number	Identifies the domain.

fence_level	String	Fence level of the primary volume (P-VOL).
hds_replication_id	Number	Internally generated sequential ID that uniquely identifies the replication.
last_updated	Date	The date and time the HDS Replication data was last updated in the database.
mu_number	Number	Mirror unit (MU) number of the primary volume (P-VOL).
object_id	String	Unique ID, generated by Device Manager.
pair_name	String	Pair Name
pvol_array_type	String	Storage array type of the primary volume (P-VOL).
pvol_device_nbr	Number	Device number of the primary volume (P-VOL).
pvol_logical_unit_id	Number	Internally generated sequential ID that uniquely identifies the logical unit to which P-VOL belongs
pvol_mng_area_pool_id	Number	Management area pool ID to which the primary volume (P-VOL) belongs.
pvol_object_id	String	Primary volume's (P-VOL) object ID.
pvol_pool_id	Number	Pool ID to which P-VOL belongs.
pvol_port_id	Number	Port ID of the primary volume's (P-VOL) path, used by RAID Manager.
pvol_serial_nbr	String	Serial number of the primary volume's (P-VOL) storage array.
pvol_storage_array_id	Number	Internally generated sequential ID that uniquely identifies the storage array to which the primary volume (P-VOL) belongs.
remote_path_group_id	Number	Path group ID of the remote control unit (RCU).
replication_function	String	Replication Function
replication_status	Number	Status of replication.
replication_sub_function	Number	Replication sub-function
snapshot_group_id	Number	Snapshot group ID
split_time	Number	Time when this replication makes the secondary volume image.
svol_array_type	String	Storage array type of the ShadowImage volume (S-VOL).
svol_device_nbr	Number	Device number of the ShadowImage volume (S-VOL).
svol_logical_unit_id	Number	Internally generated sequential ID that uniquely identifies the logical unit to which the ShadowImage volume (S-VOL) belongs.
svol_mng_area_pool_id	Number	Management area pool ID to which the ShadowImage volume (S-VOL) belongs.
svol_object_id	String	The ShadowImage volume (S-VOL) object ID.
svol_pool_id	Number	Pool ID to which the ShadowImage volume (S-VOL) belongs.
svol_port_id	Number	Port ID of the ShadowImage volume (S-VOL) Path used by RAID Manager.
svol_serial_nbr	String	Serial number of the ShadowImage volume's (S-VOL) storage array.
svol_storage_array_id	Number	Internally generated sequential ID that uniquely identifies the storage array to which the ShadowImage volume (S-VOL) belongs.

aps_v_hds_storage_array *(Hitachi Data Systems Views)*

Contains a single row for each HDS storage array.

Column Name	Data Type	Description
agent_version	String	Agent Version
allocated_gb	Number	allocated configured capacity in GiB
array_description	String	Description of storage array
array_family	String	Array family name
array_name	String	Array name
array_type	String	Array type
available_gb	Number	available configured capacity in GiB
cache_gb	Number	array cache size in GiB
capacity_gb	Number	configured capacity in GiB
controller_version	String	storage array controller version
device_manager_id	Number	foreign key to device manager details
display_array_family	String	Array family name for display
display_array_type	String	Array type name for display
domain_id	Number	foreign key to domain details
domain_name	String	Domain name
dp_pool_total_capacity_gb	Number	DP Pool capacity in GiB
external_allocated_gb	Number	Allocated external capacity in GiB
external_capacity_gb	Number	External capacity in GiB
external_free_gb	Number	Free external capacity in GiB
hihsm_capacity_gb	Number	Total capacity of the logical units in the array that are in use by Hitachi VolumeMigration, in GiB
im_allocated_capacity_gb	Number	Total capacity of the logical units of the intermediate volume in the array that have paths assigned, in GiB
im_free_capacity_gb	Number	Total capacity of the logical units of the intermediate volume in the array that can be assigned paths, in GiB
im_hihsm_capacity_gb	Number	Total capacity of the logical units of the intermediate volume in the array that are in use by Hitachi VolumeMigration, in GiB
im_ondemand_capacity_gb	Number	Total capacity of the logical units of the intermediate volume in the array that are marked as Just-In-Time storage, in GiB
im_total_capacity_gb	Number	Total capacity of the logical units of the intermediate volume in the array, in GiB

ip_address	String	ip address of the storage array
is_active	String	Y=Yes, N=No
largest_free_space_gb	Number	largest free space available on the storage array in GiB
last_refresh_date	Date	Last refreshed date
last_updated	Date	Last updated date
mf_allocated_capacity_gb	Number	Total capacity of the logical devices of the mainframe volume in the array that are specified as allocated, in GiB
mf_hihsm_capacity_gb	Number	Total capacity of the logical devices of the mainframe volume in the array that are in use by Hitachi VolumeMigration, in GiB
mf_ondemand_capacity_gb	Number	Total capacity of the logical devices of the mainframe volume in the array that are marked as Just-In-Time storage, in GiB
mf_total_capacity_gb	Number	Total capacity of the logical devices of the mainframe volume in the array, in GiB
mf_unallocated_capacity_gb	Number	Total capacity of the logical devices of the mainframe volume in the array that are specified as unallocated, in GiB
microcode_version	String	CPU microcode version
nbr_allocated_luns	Number	total number of allocated logical units
nbr_allocated_mfldevs	Number	Number of the logical devices of the mainframe volume in the array that are specified as allocated
nbr_im_unallocated_luns	Number	Number of the logical units of the intermediate volume in the array that do not have paths assigned
nbr_imallocated_luns	Number	Number of the logical units of the intermediate volume in the array that have paths assigned
nbr_mf_ldevs	Number	Number of the logical devices of the mainframe volume in the array
nbr_of_controllers	Number	Number of array controllers
nbr_of_luns	Number	number of logical units
nbr_of_open_reserv_lun	Number	total number of open reserved logical units
nbr_openalloc_luns	Number	Number of the logical units of the open volume in the array that have paths assigned
nbr_openunallocated_luns	Number	Number of the logical units of the open volume in the array that do not have paths assigned
nbr_spare_drives	Number	Number of spared drives in the storage array
nbr_unallocated_mfldevs	Number	Number of the logical devices of the mainframe volume in the array that are specified as unallocated
object_id	String	unique internal identifier for the storage array
on_demand_capacity_gb	Number	Total capacity of the logical units in the array that are marked as Just-In-Time storage, in GiB (also called On Demand) and are not being used as regular storage.
open_hihsm_capacity_gb	Number	Total capacity of the logical units of the open volume in the array that are in use by Hitachi VolumeMigration, in GiB
open_reserv_total_capacity_gb	Number	open reserved capacity in GiB
openondemand_capacity_gb	Number	Total capacity of the logical units of the open volume in the array that are marked as Just-In-Time storage, in GiB
other_allocated_gb	Number	other allocated capacity in GiB
product_code	Number	Product code

product_name	String	Product name
raw_allocated_gb	Number	allocated raw capacity in GiB
raw_available_gb	Number	available raw capacity in GiB
raw_capacity_gb	Number	raw capacity in GiB
root_group_id	Number	id of the server group which is root group for this domain
security_status	Number	The security status of storage array
sequence_nbr	String	All or a part of serial number for storage array
serial_nbr	String	storage array serial number
shared_memory_gb	Number	Shared memory size in GiB
slpr_status	Number	The SLPR status of storage array
status_of_db_updating	Number	Updating Status of repository DB
storage_array_id	Number	foreign key to storage array details
vendor_name	String	Vendor Name

aps_v_hds_storage_domain *(Hitachi Data Systems Views)*

Contains a single row for each HDS storage pool.

Column Name	Data Type	Description
array_name	String	array name
display_name	String	display name
host_mode	String	host mode
host_mode2	String	host mode 2
host_mode_option	String	host mode option
last_updated	Date	last updated
nickname	String	nickname
port_id	Number	port ID
storage_array_id	Number	foreign key to storage array details
storage_domain_id	Number	foreign key to storage path
storage_domain_nbr	Number	storage domain number

aps_v_hds_virtual_volume *(Hitachi Data Systems Views)*

The aps_v_hds_virtual_volume view contains a single row for each HDS virtual volume

Column Name	Data Type	Description
array_group_name	String	Array group name
array_name	String	array name
capacity_gb	Number	capacity in GiB
capacity_kb	Number	capacity in KiB
external_array_type	String	external array_type
external_device_nbr	Number	external device number
external_serial_nbr	String	external serial number
external_volume_name	String	external volume name
is_internal	String	Y=Yes, N=No
ldev_id	Number	internal id for the logical device
ldev_name	String	internal name for the logical device
mapped_array_type	String	mapped array type
mapped_device_nbr	Number	Device number of assigned LDEV
mapped_serial_nbr	String	Serial number of assigned LDEVs StorageArray
object_id	String	unique internal identifier for the volume
product_name	String	Product name of external LogicalUnit
raid_type	String	raid type
storage_array_id	Number	foreign key to storage array details
vendor	String	vendor name
volume_connection_name	String	Volume connection name

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aps_v_hnas_cifs_share *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS CIFS Share

Column Name	Data Type	Description
array_name	String	The name given to the storage array.
cache_options	String	Cache options for the CIFS share.
cifs_share_name	String	Name given to the CIFS share.
cifs_share_path	String	Path of the CIFS share.
creation_date	Date	The date and time the HNAS CIFS Share data was created in the database.
evs_id	Number	Unique ID for the enterprise virtual server (EVS) in the HNAS subsystem.
evs_name	String	Name given to the enterprise virtual server (EVS).
file_system_free_capacity_gb	Number	Filesystem free space, in GiB.
file_system_free_capacity_kb	Number	Filesystem free space, in KiB.
file_system_total_capacity_gb	Number	Filesystem size in GiB.
file_system_total_capacity_kb	Number	Filesystem size in KiB.
hnas_cifs_share_id	Number	CIFS share ID, for internal use by the database.
hnas_evs_id	Number	Enterprise virtual server (EVS) ID, for internal use by the database.
hnas_file_system_id	Number	File system ID, for internal use by the database.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
instance_name	String	The instance name of the filesystem.
is_access_snapshots	Char	Indicates the accessibility and visibility of the snapshot directory.
is_display_snapshots	Char	Indictates if snapshots are enabled.

is_failed	Char	Indicates if the filesystem is in a failed state.
is_follow_symlinks	Char	Indicates if follow symlinks is enabled for the CIFS share.
is_formatted	Char	Indicates if the filesystem is formatted.
is_mounted	Char	Indicates if the filesystem is mounted.
is_recovered	Char	Indicates if the filesystem is recoverable.
is_scan_for_viruses	Char	Indicates if virus scanning is enabled on the filesystem.
is_thin_provisioned	Char	Indicates if the filesystem is thinly provisioned.
last_updated	Date	The date and time the HNAS CIFS share data was last updated in the database.
share_comment	String	Comment given to the share.

aps_v_hnas_evs *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS EVS

Column Name	Data Type	Description
array_name	String	The name given to the storage array.
creation_date	Date	The date and time the HNAS enterprise virtual server (EVS) data was created in the database.
evs_id	Number	Unique ID for the enterprise virtual server (EVS) in the HNAS subsystem.
evs_name	String	Name given to the enterprise virtual server (EVS).
evs_status	String	Status of the enterprise virtual server (EVS).
evs_type	String	Enterprise virtual server (EVS) type.
hnas_evs_id	Number	Internal database ID for the Hitachi NAS platform enterprise virtual server (EVS).
hnas_node_id	Number	Node ID, for internal use by the database.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
is_enabled	Char	Indicates if the Hitachi NAS platform enterprise virtual server (EVS) is enabled.
last_updated	Date	The date and time the HNAS enterprise virtual server (EVS) data was last updated in the database.
node_id	Number	Identifier of the Hitachi NAS clustered node.
node_name	String	Name of the Hitachi NAS clustered node.

aps_v_hnas_fc_port *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS FC Port

Column Name	Data Type	Description
array_name	String	The name given to the storage array.
creation_date	Date	The date and time the HNAS FC Port data was created in the database.
fc_link	String	Indicates if the fibre channel link is up.
fc_port_id	Number	Fibre channel port ID.
fc_port_status	String	Status of the fibre channel port: Enabled or Disabled.
hnas_fc_port_id	Number	Fibre channel port ID, for internal use by the database.
hnas_node_id	Number	Node ID, for internal use by the database.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the HNAS FC Port data was last updated in the database.
node_id	Number	Identifier of the Hitachi NAS clustered node.
node_name	String	Name of the Hitachi NAS clustered node.
node_wwn	String	Node World Wide Name.
node_wwn_id	Number	Node World Wide Name identifier.
port_wwn	String	Port World Wide Name.
port_wwn_id	Number	Port World Wide Name identifier.

aps_v_hnas_file_system *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS File System

Column Name	Data Type	Description
array_name	String	The name given to the storage array.
auto_expand_status	String	Status of auto-expand.
available_capacity_gb	Number	The amount of formatted available capacity, in GiB.
available_capacity_kb	Number	The amount of formatted available capacity, in KiB.

cluster_size_gb	Number	The cluster size, also known as the filesystem block size, of the filesystem in GiB. An - indicates that the cluster size was unavailable at data collection time.
cluster_size_kb	Number	The cluster size, also known as the filesystem block size, of the filesystem in KiB. An - indicates that the cluster size was unavailable at data collection time.
confined_capacity_gb	Number	The capacity to which the filesystem has been confined, in GiB. An - indicates that the filesystem is not confined.
confined_capacity_kb	Number	The capacity to which the filesystem has been confined. An - indicates that the filesystem is not confined.
creation_date	Date	The date and time the HNAS filesystem data was created in the database.
deduped_capacity_gb	Number	Deduplicated capacity for the filesystem, in GiB.
deduped_capacity_kb	Number	Deduplicated capacity for the filesystem, in KiB.
device_id	Number	The filesystem's device ID.
dwb	String	Indicates if the filesystem is using dynamic write balancing (DWB).
evs_id	Number	Unique ID for the enterprise virtual server (EVS) in the HNAS subsystem.
evs_name	String	Name given to the enterprise virtual server (EVS).
expansion_warn	String	After an auto-expansion, if the filesystem's capacity exceeds this % of its expansion potential, a warning event is logged.
file_system_state	String	State of the filesystem.
file_system_type	String	Provides filesystem characteristics, such as ro (read-only), syslocked (system locked), or WORM.
flag	String	Indicates the filesystem: Worm, RC, or PAFS.
hnas_evs_id	Number	Enterprise virtual server (EVS) ID, for internal use by the database.
hnas_file_system_id	Number	File system ID, for internal use by the database.
hnas_span_id	Number	Span ID, for internal use by the database.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
instance_name	String	The instance name of the filesystem.
is_audit	Char	Indicates if auditing is enabled on the filesystem.
is_thin_provisioned	Char	Indicates if the filesystem is thinly provisioned.
last_updated	Date	The date and time the HNAS Filesystem data was last updated in the database.
nbr_of_dsbs	Number	The number of dynamic super blocks stored in the filesystem.
nbr_of_paths	Number	Number of paths associated with the filesystem.
nbr_of_tiers	Number	Number of tiers associated with the span.
snap	String	If the host snap is in snapshot mode, this value is the number of copies of the span. If the span is not in snapshot mode, the field is blank.
snapshot_capacity_gb	Number	The amount (and percentage) of formatted capacity used by snapshots, in GiB. If the filesystem is a read cache filesystem this field will display Read Cache because the filesystem does not contain snapshots.
snapshot_capacity_kb	Number	The amount (and percentage) of formatted capacity used by snapshots, in KiB. If the filesystem is a read cache filesystem this field will display Read Cache because the filesystem does not contain snapshots.

span_instance_name	String	The name that was assigned to the span when it was created.
thin_available_capacity_gb	Number	The amount of thinly provisioned capacity available for further data, in GiB.
thin_available_capacity_kb	Number	The amount of thinly provisioned capacity available for further data, in KiB.
thin_total_capacity_gb	Number	The total amount of thinly provisioned capacity for the filesystem, in GiB.
thin_total_capacity_kb	Number	The total amount of thinly provisioned capacity for the filesystem, in KiB.
total_capacity_gb	Number	Total capacity of the filesystem in GiB.
total_capacity_kb	Number	Total capacity of the filesystem in KiB.
used_capacity_gb	Number	Used capacity of the filesystem, in GiB.
used_capacity_kb	Number	Used capacity of the filesystem, in KiB.
wfs_version	String	The web filesystem (WFS) version: WFS-1 or WFS-2.

aps_v_hnas_file_system_log *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS Snapshot

Column Name	Data Type	Description
available_capacity_gb	Number	The amount of formatted available capacity, in GiB.
available_capacity_kb	Number	The amount of formatted available capacity, in KiB.
cluster_size_kb	Number	The cluster size, also known as the filesystem block size, of the filesystem in KiB.
confined_capacity_gb	Number	The capacity to which the filesystem has been confined, in GiB.
confined_capacity_kb	Number	The capacity to which the filesystem has been confined.
deduped_capacity_gb	Number	Deduplicated capacity for the filesystem, in GiB.
deduped_capacity_kb	Number	Deduplicated capacity for the filesystem, in KiB.
hnas_file_system_id	Number	File system ID, for internal use by the database.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
log_date	Date	The date and time the HNAS filesystem log data was created in the database.
nbr_of_dsbs	Number	The number of dynamic super blocks stored in the filesystem.
nbr_of_paths	Number	Number of paths associated with the filesystem.
snapshot_capacity_gb	Number	The amount (and percentage) of formatted capacity used by snapshots, in GiB. If the filesystem is a read cache filesystem this field will display Read Cache because the filesystem does not contain snapshots.
snapshot_capacity_kb	Number	The amount (and percentage) of formatted capacity used by snapshots, in KiB. If the filesystem is a read cache filesystem this field will display Read Cache because the filesystem does not contain snapshots.

thin_available_capacity_gb	Number	The amount of thinly provisioned capacity available for further data, in GiB.
thin_available_capacity_kb	Number	The amount of thinly provisioned capacity available for further data, in KiB.
thin_total_capacity_gb	Number	The total amount of thinly provisioned capacity for the filesystem, in GiB.
thin_total_capacity_kb	Number	The total amount of thinly provisioned capacity for the filesystem, in KiB.
total_capacity_gb	Number	Total capacity of the filesystem in GiB.
total_capacity_kb	Number	Total capacity of the filesystem in KiB.
used_capacity_gb	Number	Used capacity of the filesystem, in GiB.
used_capacity_kb	Number	Used capacity of the filesystem, in KiB.

aps_v_hnas_interface *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS Interface

Column Name	Data Type	Description
creation_date	Date	The date and time the HNAS Interface data was created in the database.
hnas_interface_id	Number	Interface ID, for internal use by the database.
hnas_node_id	Number	Node ID, for internal use by the database.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
interface_name	String	Hitachi NAS interface name.
interface_type	String	Indicates the interface type: static or dynamic.
last_updated	Date	The date and time the HNAS Interface data was last updated in the database.
load_balance	String	Load Balance
node_id	Number	Identifier of the Hitachi NAS clustered node.
node_name	String	Name of the Hitachi NAS clustered node.

aps_v_hnas_interface_member *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS Interface Member

Column Name	Data Type	Description
array_name	String	The name given to the storage array.

creation_date	Date	The date and time the HNAS Interface member data was created in the database.
hnas_interface_id	Number	Interface ID, for internal use by the database.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
interface_name	String	Hitachi NAS interface name.
last_updated	Date	The date and time the HNAS Interface member data was last updated in the database.
port_name	String	Port name of the interface aggregation.
status	String	Status of the port: enabled or disabled.

aps_v_hnas_map_evs_interface *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS Mapping between EVS and Interface

Column Name	Data Type	Description
array_name	String	The name given to the storage array.
creation_date	Date	The date and time the HNAS Map enterprise virtual server (EVS) to Interface data was created in the database.
evs_id	Number	Unique ID for the enterprise virtual server (EVS) in the HNAS subsystem.
evs_name	String	Name given to the enterprise virtual server (EVS).
hnas_evs_id	Number	Enterprise virtual server (EVS) ID, for internal use by the database.
hnas_interface_id	Number	Interface ID, for internal use by the database.
hnas_storage_system_id	Number	Internal database ID for the Hitachi NAS platform enterprise virtual server (EVS).
interface_name	String	Hitachi NAS interface name.
ip_address	String	IP address of the enterprise virtual server (EVS) interface.
last_updated	Date	The date and time the HNAS Map enterprise virtual server (EVS) to Interface data was last updated in the database.

aps_v_hnas_map_filesys_tier *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS Mapping between File system and Tier

Column Name	Data Type	Description
array_name	String	The name given to the storage array.
available_capacity_gb	Number	The amount of formatted available capacity, in GiB.

available_capacity_kb	Number	The amount of formatted available capacity, in KiB.
confined_capacity_gb	Number	The capacity to which the filesystem has been confined, in GiB. An - indicates that the filesystem is not confined.
confined_capacity_kb	Number	The capacity to which the filesystem has been confined, in KiB. An - indicates that the filesystem is not confined.
creation_date	Date	The date and time the HNAS Map Filesystem to Tier data was created in the database.
hnas_file_system_id	Number	Filesystem ID, for internal use by the database.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
hnas_tier_id	Number	Tier ID, for internal use by the database.
instance_name	String	The instance name of the filesystem.
last_updated	Date	The date and time the HNAS Map Filesystem to Tier data was last updated in the database.
snapshot_capacity_gb	Number	Capacity used for snapshots, in GiB.
snapshot_capacity_kb	Number	Capacity used for snapshots, in KiB.
tier_name	String	Name of the HNAS tier.
total_capacity_gb	Number	Total capacity of the tier in GiB.
total_capacity_kb	Number	Total capacity of the tier in KiB.
used_capacity_gb	Number	Used capacity of the tier, in GiB.
used_capacity_kb	Number	Used capacity of the tier, in KiB.

aps_v_hnas_nfs_export *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS NFS Export

Column Name	Data Type	Description
array_name	String	The name given to the storage array.
creation_date	Date	The date and time the HNAS NFS Export data was created in the database.
evs_id	Number	Unique ID for the enterprise virtual server (EVS) in the HNAS subsystem.
evs_name	String	Name given to the enterprise virtual server (EVS).
file_system_free_capacity_gb	Number	Filesystem free space, in GiB.
file_system_free_capacity_kb	Number	Filesystem free space, in KiB.
file_system_total_capacity_gb	Number	Filesystem size, in GiB.
file_system_total_capacity_kb	Number	Filesystem size, in KiB.
hnas_evs_id	Number	Enterprise virtual server (EVS) ID, for internal use by the database.

hnas_file_system_id	Number	Filesystem ID, for internal use by the database.
hnas_nfs_export_id	Number	NFS export ID, for internal use by the database.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
instance_name	String	The instance name of the filesystem.
is_access_snapshots	Char	Indicates the accessibility and visibility of the snapshot directory.
is_display_snapshots	Char	Indictates if snapshots are enabled.
is_failed	Char	Indicates if the filesystem is in a failed state.
is_formatted	Char	Indicates if the filesystem is formatted.
is_mounted	Char	Indicates if the filesystem is mounted.
is_recovered	Char	Indicates if the filesystem is recoverable.
is_thin_provisioned	Char	Indicates if the filesystem is thinly provisioned.
last_updated	Date	The date and time the H-NAS NFS export data was last updated in the database.
nfs_export_name	String	Name given to the NFS export.
nfs_export_path	String	NFS export path.
read_caching_status	String	Status of read caching.

aps_v_hnas_node *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS Node

Column Name	Data Type	Description
array_name	String	The name given to the storage array.
creation_date	Date	The date and time the HNAS Node data was created in the database.
ethernet_aggr_status	String	Ethernet aggregation status of the HNAS node.
fc_status	String	Fibre channel port status of the node.
fs_access_status	String	File system access status of the node.
hnas_node_id	Number	Node ID, for internal use by the database.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
ip_address	String	IP address for the node.
is_cluster_master	Char	Indicates if the node is a cluster master.
last_updated	Date	The date and time the HNAS Node data was last updated in the database.

mgmnt_network_status	String	Management network status of the node.
nbr_of_evs	Number	Number of Hitachi NAS platform enterprise virtual servers (EVS) associated with the node.
nbr_of_fc_ports	Number	Number of fibre channel ports associated with the node.
node_id	Number	Identifier of the Hitachi NAS clustered node.
node_name	String	Name of the Hitachi NAS clustered node.
system_model	String	System model of the clustered node.

aps_v_hnas_physical_disk *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS Physical Disk

Column Name	Data Type	Description
array_name	String	The name given to the storage array.
creation_date	Date	The date and time the HNAS Physical Disk data was created in the database.
device_id	Number	Device ID of the SCSI disk.
disk_revision	String	Revision of the storage array of the SCSI disk.
disk_status	String	Status of the HNAS physical disk.
disk_type	String	Type of HNAS physical disk.
hnas_physical_disk_id	Number	Physical disk ID, for internal use by the database.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
in_use	Char	Indicates if the HNAS physical disk is in use.
last_updated	Date	The date and time the HNAS Physical Disk data was last updated in the database.
lun_nbr	Number	LUN ID associated with the HNAS physical disk.
make	String	Manufacturer of the HNAS physical disk.
model	String	Model of the storage array where the HNAS the SCSI disks and LUNs reside.
port_status	String	Port status for the HNAS physical disk.
total_capacity_gb	Number	Total capacity of the HNAS physical disk, in GiB.
total_capacity_kb	Number	Total capacity of the HNAS physical disk, in KiB.

aps_v_hnas_physical_disk_pt *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS port of Physical Disk

Column Name	Data Type	Description
array_name	String	The name given to the storage array.
creation_date	Date	The date and time the HNAS physical disk port data was created in the database.
device_id	Number	Device ID of the SCSI disk.
hnas_physical_disk_id	Number	Physical disk ID, for internal use by the database.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the HNAS physical disk port data was last updated in the database.
port_nbr	Number	Port number of the HNAS physical disk.

aps_v_hnas_set *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS Set

Column Name	Data Type	Description
array_name	String	The name given to the storage array.
creation_date	Date	The date and time the HNAS Set data was created in the database.
hnas_set_id	Number	Set ID, for internal use by the database.
hnas_span_id	Number	Span ID, for internal use by the database.
hnas_storage_system_id	Number	Span ID, for internal use by the database.
hnas_tier_id	Number	Tier ID, for internal use by the database.
last_updated	Date	The date and time the HNAS Set data was last updated in the database.
set_name	String	Name of the set in the span.
span_instance_name	String	The name that was assigned to the span when it was created.
tier_name	String	Name of the HNAS tier.

aps_v_hnas_snapshot *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS Snapshot

Column Name	Data Type	Description
array_name	String	The name given to the storage array.
creation_date	Date	The date and time the HNAS Snapshot data was created in the database.
hnas_file_system_id	Number	Filesystem ID, for internal use by the database.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
instance_name	String	The instance name of the filesystem.
last_updated	Date	The date and time the HNAS Snapshote data was last updated in the database.
purpose_of_creation	String	Purpose/Reason for creating the snapshot.
snapshot_created_date	Date	Date and time the snapshot was created.
snapshot_name	String	Name give to the snapshot.
snapshot_status	String	Status of the snapshot.
used_capacity_gb	Number	Capacity used by virtual volume in GiB.
used_capacity_kb	Number	Capacity used by virtual volume in KiB.

aps_v_hnas_span *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS Span

Column Name	Data Type	Description
array_name	String	The name given to the storage array.
auto_expand	String	Indicates if a span is auto-expandable.
chunk_size_gb	Number	The guideline or approximate size of each chunk, in GiB.
chunk_size_kb	Number	The guideline or approximate size of each chunk, in KiB.
confined_pct	Number	Percentage of the span that is confined, which prevents its filesystems from auto-expanding.
creation_date	Date	The date and time the HNAS Span data was created in the database.
free_pct	Number	Percentage of the span that is free space, unallocated to filesystems.

hnas_span_id	Number	Span ID, for internal use by the database.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
is_healthy	Char	Indicates if the server has I/O with the filesystems.
last_updated	Date	The date and time the HNAS Span data was last updated in the database.
nbr_of_chunks	Number	Number of chunks contained in the span.
nbr_of_file_systems	Number	Number of filesystems associated with the span.
nbr_of_sets	Number	Number of sets associated with the span.
nbr_of_tiers	Number	Number of tiers associated with the span.
span_instance_name	String	The name that was assigned to the span when it was created.
total_capacity_gb	Number	Total capacity of the span in GiB.
total_capacity_kb	Number	Total capacity of the span in KiB.

aps_v_hnas_storage_system *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS Storage System

Column Name	Data Type	Description
array_name	String	The name given to the storage array.
cluster_mode	String	Cluster mode indicates if the node is clustered.
creation_date	Date	The date and time the HNAS Storage System data was created in the database.
file_system_free_capacity_gb	Number	Free capacity of the filesystem in GiB.
file_system_free_capacity_kb	Number	Free capacity of the filesystem in KiB.
file_system_total_capacity_gb	Number	Total capacity of the filesystem in GiB.
file_system_total_capacity_kb	Number	Total capacity of the filesystem in KiB.
file_system_used_capacity_gb	Number	Used capacity of the filesystem in GiB.
file_system_used_capacity_kb	Number	Used capacity of the filesystem in KiB.
gen_id	Number	Cluster generation identifier.
health_status	String	Cluster's health status.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
last_updated	Date	The date and time the HNAS Storage System data was last updated in the database.
nbr_of_cifs_shares	Number	Number of CIFS shares associated with the cluster.

nbr_of_evs	Number	Number of Hitachi NAS platform enterprise virtual servers (EVS) associated with the cluster.
nbr_of_file_systems	Number	Number of filesystems associate with the cluster.
nbr_of_interfaces	Number	Number of interfaces associated with the cluster.
nbr_of_nfs_exports	Number	Number of NFS exports associated with the cluster.
nbr_of_nodes	Number	Number of nodes associated with the cluster.
nbr_of_physical_disks	Number	Number of physical disks associated with the cluster.
nbr_of_thin_prov_file_systems	Number	Number of thin-provisioned filesystems associate with the cluster.
over_all_status	String	Overall status of the cluster.
system_model	String	System model of the clustered nodes.
uuid	String	Cluster UUID (universally unique identifier).

aps_v_hnas_system_drive *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS System Drive

Column Name	Data Type	Description
access_status	String	HNAS system drive access status. Allowed = access to the system drive is allowed, otherwise the value is set to Denied.
array_name	String	The name given to the storage array.
block_size_byte	Number	The number of bytes in an HNAS system drive data block.
creation_date	Date	The date and time the HNAS System Drive data was created in the database.
ctl_node_wwn	String	A list of fibre channel node names of the controller that hosts the HNAS system drive.
ctl_port_wwn	String	The fibre channel WWN (World Wide Name) of the controller port through which the cluster is currently accessing the HNAS system drive.
device_id	Number	HNAS system drive number assigned by the server to uniquely identify the system drive.
file_system_cod	String	Good = the HNAS system drive is used in a span whose filesystem code is all loadable; otherwise, the name of the file system code that does not load.
hds_ctl_port_name	String	Shown only for Hitachi Data Systems storage. This is the name of the controller port that the cluster is currently using to access the HNAS system drive.
hds_device_name	String	Shown only for Hitachi Data Systems storage. This is the HNAS system drive's internal LUN.
hnas_physical_disk_id	Number	Physical disk ID, for internal use by the database.
hnas_set_id	Number	Set ID, for internal use by the database..
hnas_span_id	Number	Span ID, for internal use by the database..
hnas_span_id_mirror	Number	Mirrored span ID, for internal use by the database..
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.

hnas_system_drive_id	Number	System drive ID, for internal use by the database.
hnas_tier_id	Number	Tier ID, for internal use by the database.
is_unloadable_cod	Char	Yes = the system drive has unloadable span Cod, otherwise this value is set to No.
last_updated	Date	The date and time the HNAS System Drive data was last updated in the database.
luid	String	The locally unique identifier, a long string of characters, generated by the RAID controller to uniquely identify the HNAS system drive.
lun	Number	The logical unit number (LUN) used by the RAID controller to identify a system drive.
mirror_role	String	The system drive's mirror role: primary or secondary.
sd_comment	String	User-assigned comment for the HNAS system drive.
sd_group	String	List of all the system drives that are in the same group as this HNAS system drive. This value will be None if the system drive is not in a group.
sd_status	String	The system drive's status on the cluster node, as reported by the SCSI driver.
sd_type	String	The vendor, model and revision number that the RAID controller reports to the server; used to identify a specific system drive.
serial_nbr	String	System Drive's serial number, as taken from the SCSI standard inquiry.
set_name	String	Name of the set in the span.
site_id	String	Site ID that an administrator has assigned to the HNAS system drive.
span_instance_name	String	The name that was assigned to the span when it was created.
span_instance_name_mirror	String	The name that was assigned to the mirror span when it was created.
submodel	String	If present, this provides additional information about the type of storage hardware.
super_flush	String	The number of data disks in the system drive, and the RAID5 stripe size. The server uses these details to optimize write operations.
tier_name	String	Name of the HNAS tier.
total_capacity_gb	Number	Total capacity of the HNAS system drive in GiB.
total_capacity_kb	Number	Total capacity of the HNAS system drive in KiB.
used_capacity_gb	Number	Indicates how much of the system drive's capacity, in GiB, is being used by the currently-loaded span.
used_capacity_kb	Number	Indicates how much of the system drive's capacity, in KiB, is being used by the currently-loaded span.

aps_v_hnas_tier *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS Tier

Column Name	Data Type	Description
array_name	String	The name given to the storage array.
creation_date	Date	The date and time the HNAS Tier data was created in the database.

free_capacity_gb	Number	Free capacity of the span in GiB.
free_capacity_kb	Number	Free capacity of the span in KiB.
hnas_span_id	Number	Internal database span ID.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
hnas_tier_id	Number	Tier ID, for internal use by the database.
last_updated	Date	The date and time the HNAS Tier data was last updated in the database.
span_instance_name	String	The name that was assigned to the span when it was created.
tier_name	String	Name of the HNAS tier.
total_capacity_gb	Number	Total capacity of the tier in GiB.
total_capacity_kb	Number	Total capacity of the tier in KiB.

aps_v_hnas_virtual_vol_log *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS Snapshot

Column Name	Data Type	Description
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
hnas_virtual_volume_id	Number	Internal key, primary key in aps_v_hnas_virtual_volume
log_date	Date	The date and time the HNAS Virtual Volume log data was created in the database.
nbr_of_files	Number	Number of files used by virtual volume.
used_capacity_gb	Number	Capacity used by virtual volume in GiB.
used_capacity_kb	Number	Capacity used by virtual volume in KiB.

aps_v_hnas_virtual_volume *(Hitachi NAS Views)*

Contains a single row for each Hitachi NAS Virtual Volume

Column Name	Data Type	Description
array_name	String	The name given to the storage array.
creation_date	Date	The date and time the HNAS Virtual Volume data was created in the database.
email_list	String	email contact list of an existing virtual volume.

hnas_file_system_id	Number	Filesystem ID, for internal use by the database.
hnas_storage_system_id	Number	Storage system ID, for internal use by the database.
hnas_virtual_volume_id	Number	Internal key, primary key in aps_hnas_virtual_volume
instance_name	String	The instance name of the filesystem.
last_updated	Date	The date and time the HNAS Virtual Volume data was last updated in the database.
nbr_of_files	Number	Number of files used by virtual volume.
root_path	String	Path to the root of the virtual volume.
used_capacity_gb	Number	Capacity used by virtual volume in GiB.
used_capacity_kb	Number	Capacity used by virtual volume in KiB.
virtual_volume_name	String	Name of the virtual volume.

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aps_v_h3p_pdev
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aps_v_h3p_array_group *(HP 3PAR Views)*

Contains a single row for each HP 3PAR array group

Column Name	Data Type	Description
allocated_capacity_gb	Number	Allocated configured capacity in GiB
allocation_unit_gb	Number	Growth increment allocated when StorageVolume or DynamicPool set to grow on demand
array_group_id	Number	Foreign key to aps_array_group
array_grp_operational_status	String	Operational status for array group
current_space_used_gb	Number	Space being used by all StorageVolumes allocated from pool, including RAID overhead
disk_device_type	Number	Disk device type
free_capacity_gb	Number	Free configured capacity in GiB
group_name	String	Name of the array group
h3p_storage_system_id	Number	Foreign key to aps_v_h3p_storage_system

last_updated	Date	last updated date
low_space_warning_threshold	Number	Percentage low space warning threshold
object_id	String	Unique internal identifier for the array group
pool_type	Number	Instance of TPD_StoragePool, instance of TPD_DynamicStoragePool
snapdata_warning_limit_gb	Number	Warning if space allocated exceeds this amount
space_limit_determination	Number	Space limit determination
space_limit_gb	Number	Space limit in GiB
system_name	String	System name
thin_provision_metadata_gb	Number	Size of meta data consumed by pool
total_capacity_gb	Number	Total configured capacity in GiB
usable_capacity_gb	Number	Usable capacity after RAID overhead
used_snapadmin_metadata_gb	Number	Actually allocated snapshot admin in GiB
used_snapadmin_space_gb	Number	Allocated for snapshot admin space in GiB
used_snapdata_metadata_gb	Number	Actually alllocated not including RAID overhead
used_snapdata_space_gb	Number	Allocated for snapshot data in pool, not including RAID overhead
used_space_gb	Number	Consumed space in GiB

aps_v_h3p_fc_port *(HP 3PAR Views)*

Contains a single row for each HP 3PAR array port

Column Name	Data Type	Description
active_cos	String	Active COS
active_fc_type	String	Active Port type
class_support	Number	Class support
connection_type	Number	Connection type
device_type	Number	Device type
fc_configuration	Number	Port configuration
fc_device_id_ext	String	Unique identifier for FC port
fc_operational_status	String	operational status for FC port
fc_other_operational_status	String	Other operational status

fc_speed	Number	FC port speed
fc_topology	Number	Topology
fc_vcn	Number	VCN
h3p_node_id	Number	Foreign key to aps_h3p_node
h3p_storage_system_id	Number	Foreign key to aps_v_h3p_storage_system
is_auto_sense	Char	Auto sense indicator
is_full_duplex	Char	Full duplex indicator
last_updated	Date	last updated date
max_speed	Number	maximum speed
object_id	String	a unique identifier for array port
permanent_address	String	Permanent address
port_id	Number	Foreign key to aps_array_port
port_name	String	port name
port_nbr	Number	port number
port_type	Number	Port type
port_wwn_id	Number	foreign key to port world wide name details
system_name	String	System name
usage_restriction	Number	Usage restriction

aps_v_h3p_iscsi_port *(HP 3PAR Views)*

Contains a single row for each HP 3PAR array port

Column Name	Data Type	Description
h3p_node_id	Number	Foreign key to aps_h3p_node
h3p_storage_system_id	Number	Foreign key to aps_v_h3p_storage_system
is_auto_sense	Char	Auto sense indicator
is_full_duplex	Char	Full duplex
iscsi_device_id_ext	String	Unique identifier for ISCSI port
last_updated	Date	last updated date
network_address	String	Network Address

object_id	String	a unique identifier for array port
operational_status	String	Operational status for ISCSI port
other_operational_status	String	Other operational status
port_id	Number	Foreign key to aps_array_port
port_name	String	port name
port_nbr	Number	port number
port_type	Number	Port type
port_wwn_id	Number	foreign key to port world wide name details
system_name	String	System name

aps_v_h3p_ldev *(HP 3PAR Views)*

Contains a single row for each HP 3PAR logical device

Column Name	Data Type	Description
extent_status	String	Extent status
h3p_ldev_id	Number	System generated identifier. Primary Key in this view
h3p_storage_system_id	Number	Foreign key to aps_v_h3p_storage_system
last_updated	Date	last updated date
ldev_device_id_ext	String	Unique identifier for logical device
ldev_operational_status	String	Operational status for logical device
raw_capacity_gb	Number	Raw capacity in GiB
system_name	String	System name
usable_capacity_gb	Number	Usable capacity in GiB
used_capacity_gb	Number	Used capacity in GiB

aps_v_h3p_logical_unit *(HP 3PAR Views)*

Contains a single row for each HP 3PAR logical unit

Column Name	Data Type	Description

backup_node1	Number	Backup node one
backup_node2	Number	Backup node two
consumable_admin_gb	Number	Consumable admin capacity in GiB
consumable_copy_gb	Number	Consumable copy capacity in GiB
consumable_user_gb	Number	Consumable user capacity in GiB
current_availability	Number	Current availability
data_redundancy	Number	Data redundancy
date_created	Date	Date created
device_nbr	Number	Device Number
disk_device_type	Number	Disk device type
expiration_time	Date	Expriation time
export_state	Number	Export state
h3p_storage_system_id	Number	Foreign key to aps_v_h3p_storage_system
is_thinly_provisioned	Char	Thin provisioned indicator
is_underlying_redundancy	Char	Underlying redundancy indicator
last_updated	Date	last updated date
logical_unit_id	Number	Foreign key to aps_logical_unit
logical_unit_name	String	logical unit name
lun_access	Number	Logical unit access
lun_domain	String	Logical Unit domain
lun_operational_status	String	Operational status for logical unit
lun_other_operational_status	String	Other operational status
lun_policy	Number	Logical Unit policy
master_node	Number	Master Node
name_format	Number	Name format
name_space	Number	Name space
object_id	String	Unique identifier for logical unit
package_redundancy	Number	Package redundancy
preferred_availability	Number	Preferred availability
raw_admin_gb	Number	Raw admin capacity in GiB

raw_blocks_gb	Number	Raw blocks in GiB
raw_copy_gb	Number	Raw copy capacity in GiB
raw_user_gb	Number	Raw user capacity in GiB
retention_time	Date	Retention time
set_data	Number	Set data
set_size	Number	Set size
snap_dsp_name	String	Snap dsp name
snap_space_allocation_limit	Number	Snap space allocation limit
snap_space_allocation_warning	Number	Snap space allocation warning
snp_array_group_id	Number	Snapshot array group ID. Foreign key to aps_array_group
system_name	String	System name
total_capacity_gb	Number	Total capacity in GiB
used_snapshot_admin_space_gb	Number	Used snapshot admin space in GiB
used_snapshot_data_space_gb	Number	Used snapshot data space in GiB
used_user_space_gb	Number	Used user space in GiB
user_dsp_name	String	User dsp name
user_space_allocation_limit	Number	User space allocation limit
user_space_allocation_warning	Number	User space allocation warning
usr_array_group_id	Number	User array group ID. Foreign key to aps_array_group
vcopy_base_logical_unit_id	Number	Virtual Copy based logical unit id. Foreign key to logical unit details
volume_type	Number	Volume type

aps_v_h3p_map_ldev_arrayGrp *(HP 3PAR Views)*

Contains a single row for each HP 3PAR logical device and array group (CPG) mapping

Column Name	Data Type	Description
array_group_id	Number	Foreign key to aps_array_group
group_name	String	Array Group name (CPG)
h3p_ldev_id	Number	Foreign key to aps_h3p_ldev
h3p_storage_system_id	Number	Foreign key to aps_v_h3p_storage_system

last_updated	Date	last updated date
ldev_device_id_ext	String	Unique identifier for logical device
raw_capacity_gb	Number	Raw capacity in GiB
system_name	String	System name
usable_capacity_gb	Number	Usable capacity in GiB
used_capacity_gb	Number	Used capacity in GiB

aps_v_h3p_map_ldev_lun *(HP 3PAR Views)*

Contains a single row for each HP 3PAR logical device and logical unit mapping

Column Name	Data Type	Description
array_group_id	Number	Foreign key to aps_array_group
device_nbr	Number	Device Number
h3p_ldev_id	Number	Foreign key to aps_h3p_ldev
h3p_storage_system_id	Number	Foreign key to aps_v_h3p_storage_system
last_updated	Date	last updated date
ldev_device_id_ext	String	Unique identifier for logical device
logical_unit_id	Number	Foreign key to aps_logical_unit
logical_unit_name	String	logical unit name
object_id	String	Unique identifier for logical unit
raw_capacity_gb	Number	Raw capacity in GiB
system_name	String	System name
total_capacity_gb	Number	Total capacity in GiB
usable_capacity_gb	Number	Usable capacity in GiB
used_capacity_gb	Number	Used capacity in GiB

aps_v_h3p_map_ldev_pdev *(HP 3PAR Views)*

Contains a single row for each HP 3PAR logical device and physical device mapping

Column Name	Data Type	Description
capacity_gb	Number	Capacity in GiB
disk_type	String	Disk type
h3p_ldev_id	Number	Foreign key to aps_h3p_ldev
h3p_storage_system_id	Number	Foreign key to aps_v_h3p_storage_system
last_updated	Date	last updated date
ldev_device_id_ext	String	Unique identifier for logical device
pdev_id	Number	Foreign key to aps_pdev
pdev_name	String	Physical device name
raw_capacity_gb	Number	Raw capacity in GiB
rpm	Number	RPM
serial_nbr	String	Serial Number
system_name	String	System name
usable_capacity_gb	Number	Usable capacity in GiB
used_capacity_gb	Number	Used capacity in GiB

aps_v_h3p_node *(HP 3PAR Views)*

Contains a single row for each HP 3PAR node

Column Name	Data Type	Description
bios_version	String	Bios version
cache_enabled	Number	The number of cache enabled
description	String	Description for node
element_name	String	Element Name
h3p_node_id	Number	System generated identifier. Primary Key to this view
h3p_storage_system_id	Number	Foreign key to aps_v_h3p_storage_system
is_cluster	Char	Cluster indicator
is_master	Char	Master node indicator
is_online	Char	Online indicator
kernel_version	String	Kernel version

last_updated	Date	last updated date
node_name	String	Name of the node system
node_operational_status	String	Operational status for node
node_other_operational_status	String	Other operational status
node_position	Number	Node position
system_name	String	System name

aps_v_h3p_node_cpu *(HP 3PAR Views)*

ontains a single row for each HP 3PAR node cpu

Column Name	Data Type	Description
bus_speed	Number	Bus speed
element_name	String	Element name
h3p_node_cpu_id	Number	System generated identifier. Primary key in this view
h3p_node_id	Number	Foreign key to aps_h3p_node
h3p_storage_system_id	Number	Foreign key to aps_v_h3p_storage_system
last_updated	Date	last updated date
manufacturer	String	Manufacturer
ncpu_device_id_ext	String	Unique identifier for node cpu
ncpu_model	String	Model
ncpu_role	String	Node cpu role
node_name	String	Name of the node
system_name	String	System name

aps_v_h3p_pdev *(HP 3PAR Views)*

Contains a single row for each HP 3PAR physical device

Column Name	Data Type	Description
cage_type	Number	Cage type

capacity_gb	Number	Capacity in GiB
chunk_normal_unused_fail	Number	Chunk normal unused failed capacity
chunk_normal_unused_free	Number	Chunk normal unused free capacity
chunk_normal_unused_uninit	Number	Chunk normal unused uninit capacity
chunk_normal_used_fail	Number	Chunk normal used failed capacity
chunk_normal_used_ok	Number	Chunk normal used ok capacity
chunk_size	Number	Chunk size
chunk_spare_unused_fail	Number	Chunk spare unused failed capacity
chunk_spare_unused_free	Number	Chunk spare unused free capacity
chunk_spare_unused_uninit	Number	Chunk spare unused uninit capacity
chunk_spare_used_fail	Number	Chunk spare used failed capacity
chunk_spare_used_ok	Number	Chunk spare used ok capacity
correctable_read_error	Number	Correctable read error
correctable_write_error	Number	Correctable write error
disk_type	String	Disk type
esi_state	Number	ESI state
firmware_status	Number	Firmware status
h3p_storage_system_id	Number	Foreign key to aps_v_h3p_storage_system
initiator_porta	String	Initiator port A
initiator_portb	String	Initiator port B
is_esi	Char	ESI
is_ld_allocatable	Char	Logical device allocatable indicator
last_updated	Date	last updated date
pdev_id	Number	Foreign key to aps_pdev
pdev_name	String	Physical device name
pdev_operational_status	String	Operational status for pdev
pdev_other_operational_status	String	Other operational status
pdev_position	Number	Position
primary_port_path	String	Primary port path
rpm	Number	RPM

serial_nbr	String	Serial Number
state_on_loopa	Number	State on loop A
state_on_loopb	Number	State on loop B
system_name	String	System name
uncorrectable_read_error	Number	Uncorrectable read error
uncorrectable_write_error	Number	Uncorrectable write error

aps_v_h3p_storage_system *(HP 3PAR Views)*

Contains a single row for each HP 3PAR storage system

Column Name	Data Type	Description
alloc_snapadmin_gb	Number	Allocated snapshot admin in GiB
alloc_snapdata_gb	Number	Allocated snapshot data capacity in GiB
build_number	Number	Build number
chunk_normal_unused_fail_gb	Number	Normal unused failed chunklet capacity in GiB
chunk_normal_unused_free_gb	Number	Normal unused initialized chunklet capacity in GiB
chunk_normal_unused_uninit_gb	Number	Normal unused uninitialized chunklet capacity in GiB
chunk_normal_used_fail_gb	Number	Normal used failed chunklet capacity in GiB
chunk_normal_used_ok_gb	Number	Normal used ok chunklet capacity in GiB
chunk_spare_unused_fail_gb	Number	Spare unused failed chunklet capacity in GiB
chunk_spare_unused_free_gb	Number	Spare unused initialized chunklet capacity in GiB
chunk_spare_unused_uninit_gb	Number	Spare unused uninitialized chunklet capacity in GiB
chunk_spare_used_fail_gb	Number	Spare used failed chunklet capacity in GiB
chunk_spare_used_ok_gb	Number	Spare used ok chunklet capacity in GiB
free_hard_gb	Number	Free Hard size in GiB
free_soft_gb	Number	Free Soft size in GiB
h3p_storage_system_id	Number	Foreign key to aps_v_storage_array
install_date	Date	Install date
ipv4_address	String	IP v4 address
last_updated	Date	last updated date

location	String	Location
machine_model	String	Machine model
machine_type	String	Machine type
max_space_limit_gb	Number	Max space limit in GiB
nbr_allocated_luns	Number	Number of allocated luns
nbr_of_10gb_ports	Number	Number of 10gb ports
nbr_of_1gb_ports	Number	Number of 1gb ports
nbr_of_assoc_ldev	Number	Number of associated logical device
nbr_of_controllers	Number	Number of controllers
nbr_of_hosts	Number	Number of hosts
nbr_of_logical_disks	Number	Number of Logical disks
nbr_of_luns	Number	Number of luns
operational_status	String	Operational status for storage system
primary_owner_contact	String	Primary owner contact
primary_owner_name	String	Primary owner name
serial_nbr	String	Serial number
system_name	String	System name
system_version	String	System version
time_zone	String	Time zone
total_free_gb	Number	Total Soft size in GiB
total_hard_gb	Number	Total Hard size in GiB
vlun_capacity_gb	Number	Virtual logical unit capacity in GiB

HP EVA Views (Go to Top)

aps_v_eva_array_group
aps_v_eva_array_port
aps_v_eva_cache_memory
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aps_v_eva_host_port
aps_v_eva_logical_unit
aps_v_eva_pdev
aps_v_eva_storage_array

aps_v_eva_array_group *(HP EVA Views)*

Contains a single row for each HP EVA array group

Column Name	Data Type	Description
array_group_id	Number	Foreign key to aps_v_eva_array_group
comments	String	Comments
current_spare_policy	String	Current spare policy
drive_type	String	Drive type
last_updated	Date	Date and time last updated
levelling_progress	String	Levelling progress
levelling_state	String	Levelling state
object_name	String	Object name
occupancy_alarm_level	Number	Occupancy alarm level
requested_spare_policy	String	Requested spare policy
rss_disk_state	String	RSS disk state
src_level_actual	String	SRC actual level
src_level_requested	String	SRC level requested
storage_array_id	Number	Foreign key to aps_v_eva_storage_array
system_name	String	System name
total_disks	Number	Total disks
transition_percent	Number	Transition percent
transition_state	String	Transition state
v_raid_0_storage_space_kb	Number	Raid 0 storage space in KiB
v_raid_1_storage_space_kb	Number	Raid 1 storage space in KiB
v_raid_5_storage_space_kb	Number	Raid 5 storage space in KiB
v_raid_6_storage_space_kb	Number	Raid 6 storage space in KiB

aps_v_eva_array_port *(HP EVA Views)*

Contains a single row for each HP EVA array port

Column Name	Data Type	Description
eva_controller_id	Number	Foreign key to aps_v_eva_controller
last_updated	Date	Date and time last updated
object_name	String	Object Name
port_id	Number	Port ID
storage_array_id	Number	Foreign key to aps_v_eva_storage_array
system_name	String	System name

aps_v_eva_cache_memory *(HP EVA Views)*

Contains a single row for each HP EVA cache memory

Column Name	Data Type	Description
cache_condition	String	Cache condition
eva_controller_id	Number	Foreign key to aps_v_eva_controller
last_updated	Date	Date and time last updated
memory_capacity_kb	Number	Memory capacity in KiB
mirror_connection_state	String	Mirror connection state 1
mirror_connection_state2	String	Mirror connection state 2
mirror_port1_state	String	Mirror port 1 state
mirror_port2_state	String	Mirror port 2 state
object_id	String	Object ID
object_name	String	Object Name
read_capacity_kb	Number	Read capacity in KiB
storage_array_id	Number	Foreign key to aps_v_eva_storage_array
system_name	String	System name

write_capacity_kb	Number	Write capacity in KiB

aps_v_eva_controller *(HP EVA Views)*

Contains a single row for each HP EVA controller

Column Name	Data Type	Description
comments	String	Comments
data_block_size_kb	Number	Data block size in KiB
eva_controller_id	Number	Primary key
fan_fru	String	Fan FRU
firmware_version	String	Firmware Version
last_updated	Date	Date and time last updated
main_memory_kb	Number	Main memory in KiB
manufacturer	String	Manufacturer
model_number	String	Model number
node_name	String	Node name
nsc_condition	String	NSC condition
object_id	String	Object ID
object_name	String	Object Name
rohs_compliant	String	Is the controller ROHS compliant
scell_participation	String	Scell participation
serial_number	String	Serial number
shelf_nbr	Number	Shelf number
storage_array_id	Number	Foreign key to aps_v_eva_storage_array
system_name	String	System name

aps_v_eva_host *(HP EVA Views)*

Contains a single row for each HP EVA host

Column Name	Data Type	Description
comments	String	Comments
direct_eventing	String	Direct eventing
eva_host_type	String	EVA host type
host_id	Number	Foreign key to apt_v_server
last_updated	Date	Date and time last updated
object_id	String	Object ID
object_name	String	Object Name
os_mode	String	OS Mode
os_mode_bitmask	String	OS Mode bitmask
storage_array_id	Number	Foreign key to aps_v_eva_storage_array
system_name	String	System name

aps_v_eva_host_port *(HP EVA Views)*

Contains a single row for each HP EVA host port

Column Name	Data Type	Description
host_id	Number	Foreign key to apt_v_server
host_port_id	Number	Primary key
last_updated	Date	Date and time last updated
storage_array_id	Number	Foreign key to aps_v_eva_storage_array
system_name	String	System name

aps_v_eva_logical_unit *(HP EVA Views)*

Contains a single row for each HP EVA logical unit

Column Name	Data Type	Description
allocated_capacity_kb	Number	Allocated Capacity in KiB
comments	String	Comments

creation_date	Date	Creation date
dirty_block_count	Number	Dirty block count
does_mirror_exists	String	Does mirror exist?
eva_controller_id	Number	Foreign key to aps_v_eva_controller
family_name	String	Family name
host_type	String	Host type
is_allocated	String	Is allocated?
is_allocated_to_iscsi_host	String	Is allocated to iSCSI host?
is_mirror_suspended	String	Is mirror suspended?
iscsi_cont_obj_name	String	iSCSI object name
logical_unit_id	Number	Primary key
mirror_cache	String	Mirror cache
os_unit_identifier	Number	OS unit identifier
partition_name	String	Partition name
preffered_path	String	Preferred path
prev_clone_source_lun_uid	String	Previous clone source LUN UID
read_cache	String	Read cache
restore_progress	String	Restore progress
scvd_enable	String	SCVD enable
secondary_state	String	Secondary state
storage_array_id	Number	Foreign key to aps_v_eva_storage_array
system_name	String	System name
write_cache	String	Write cache
write_cache_actual	String	Write cache actual
ww_lun_identifier	String	WW LUN identifier

aps_v_eva_pdev *(HP EVA Views)*

Contains a single row for each HP EVA physical device

Column Name	Data Type	Description

actual_usage	String	Actual usage
can_locate_rrss	String	Can locate RSS?
comments	String	Comments
disk_bay_number	Number	Disk bay number
disk_drive_type	String	Disk drive type
failure_predicted	String	Failure predicted?
is_disk_code_loadable	String	Is disk code loadable?
is_media_accessible	String	Is media accessible?
migration_progress	String	Migration progress
migration_state	String	Migration state
node_ww_identifier	String	Node WW identifier
object_name	String	Object Name
pdev_id	Number	Primary key
qorum_disk	String	Qorum Disk
requested_usage	String	Requested usage
rss_identifier	Number	RSS identifier
storage_array_id	Number	Foreign key to aps_v_eva_storage_array
system_name	String	System name
used_space_kb	Number	Used space KiB

aps_v_eva_storage_array *(HP EVA Views)*

Contains a single row for each HP EVA storage array

Column Name	Data Type	Description
basic_licensed	String	Basic licensed
comments	String	Comments
control_time	Date	Control time
controller_memory_kb	Number	Controller memory in KiB
device_additional_policy	String	Device additional policy
drm_licensed	String	DRM licensed

firmware_version	String	Firmware version
last_updated	Date	Date and time last updated
license_state	String	License state
management_host_ip_address	String	Management host IP address
management_host_name	String	Management host name
nbr_of_array_groups	Number	Number of array groups
nbr_of_folders	Number	Number of folders
nbr_of_grouped_disks	Number	Number of grouped disks
nbr_of_ungrouped_disks	Number	Number of ungrouped disks
os_unit_identifier	Number	OS unit identifier
snap_licensed	String	Snap licensed
state	String	State
storage_array_id	Number	Primary key
system_name	String	System name
volume_replacement_delay_min	Number	Volume replacement delay in minutes

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aps_v_ibm_array
aps_v_ibm_ckd_volume
aps_v_ibm_ckd_volume_alias
aps_v_ibm_disk
aps_v_ibm_extent_pool
aps_v_ibm_fb_volume
aps_v_ibm_rank
aps_v_ibm_storage_system

aps_v_ibm_array *(IBM Capacity Views)*

Contains a single row for each IBM array.

Column Name	Data Type	Description
array_id	String	Array ID
arsite_id	String	Array site ID
da_pair	String	Device adapter pair ID that is associated with the specified device adapter.

data_state	String	Current data state. One of the following values is displayed: Normal The array is in the Normal data state if none of the other data states applies. This status applies if the array is unassigned. Degraded The array is in the Degraded data state if both of the following conditions exist: The Read-only, Failed, Repairing, or Inaccessible data states do not apply.One or more redundancy groups are rebuilding (that is, there is a DDM with a rebuilding state in the array).
ddm_capacity_gb	Number	Minimum disk capacity (10^9B) of the storage devices (DDMs) in the designated array in GiB
ddm_capacity_kb	Number	Minimum disk capacity (10^9B) of the storage devices (DDMs) in the designated array
ddm_rpm	Number	Minimum disk rpm of the DDMs in the designated array
disk_class	String	Disk class is either high speed fibre-channel disk drives or near-line disk drives. The displayed value is one of the following: ENT Specifies enterprise and represents high speed fibre-channel disk drives NL Specifies near-line and represents ATA (FATA) disk drives
disk_interface_rate	Number	Minimum disk interface rate of the disks in the designated array
disk_interface_type	String	Disk interface type of the DDMs in the designated array
ibm_array_id	Number	Foreign key to array details
ibm_array_site_id	Number	Foreign key to array site details
ibm_device_adapter_id	Number	Foreign key to device adapter details
ibm_storage_system_id	Number	Foreign key to IBM storage system details
last_updated	Date	last updated date
raid_type	String	Type of RAID array (5 or 10) and the array configuration (for example, 6+P).
serial_nbr	String	Unique internal identifier for the data space of the designated array
state	String	Assigned The array is assigned to a rank. Unassigned The array is not assigned to a rank and all of the storage devices that are indicated by the disk serial numbers attribute are in the normal state. Unavailable The array is not assigned to a rank and one or more of the disk drive modules (DDMs) that are indicated by the disk serial numbers attribute are not in the normal state. Read Only The array is in the Read-only data state if all of the following conditions exist: The Failed, Repairing, and Inaccessible data states do not apply. One or more DDMs have failed. There are insufficient spares to support all rebuild operations. Continued write operation without redundancy could result in data loss.Failed The array is in the Failed data state if all of the following conditions exist: The Repairing and Inaccessible data states do not apply. Two or more DDMs in the array have failed. There are insufficient DDMs left in the array to rebuild the data that was lost on the failing storage devices.Repairing The array is in the Repairing data state if all of the following conditions exist: The Inaccessible data state does not apply. The array has previously entered the failed state. The repair array function has been accepted. The repair array function has not completed. Inaccessible The array is in the Inaccessible data state if the storage unit cannot access a set of storage devices that are sufficient to access all the data on the array
system_name	String	the name that you assigned to the storage unit

aps_v_ibm_ckd_volume *(IBM Capacity Views)*

Contains a single row for each IBM CKD volume.

Column Name	Data Type	Description

access_state	String	One of the following access states are displayed: Online or Fenced. Online The logical volume is accessible to a host. Fenced The logical volume is in the volume fenced state and is not accessible to the host.
addrgrp_id	String	Storage image address group unique identifier
alloc_repo_capacity	String	allocated physical repository capacity of the track space-efficient storage. This value is calculated on the available repository capacity as a result of writes to the space-efficient volume. This value is displayed in the format of X.Y, where X is whole GiB (1GiB=2^30B) and Y represents tenths of a GiB, which is limited to a single digit (0 - 9).Note: A null (-) value is displayed in this column if the value displayed in the SAM column is Standard.
ckd_org_base_volume	String	One of the following will be specified: Identifies the original base CKD volume ID to which this CKD alias volume is assigned. For a CKD Alias type volume, the base and alias volume IDs share a common LCU ID. - (null) is displayed for a CKD base volume type.
ckd_serial_nbr	String	Volume serial number
ckd_vol_type	String	Logical volume is one of the following: CKD base, CKD alias
config_state	String	One of the following configuration states are displayed: Normal Indicates that there are no logical volume configuration operations in progress. Configuring Indicates that the logical volume is in the process of being configured for the first time. Reconfiguring Indicates that the logical volume is in the process of allocating or deallocating extents due to a modification of the requested capacity attribute after initial creation. Migrating Indicates that the logical volume is in the process of performing dynamic volume relocation to a specified extent pool. Deconfiguring Indicates that the logical volume is in the process of being deleted. Configuration error Indicates that the initial configuration did not complete successfully. This state reflects an internal error condition and not an error in the request to create the volume. Corrective action: Use the rmfbvol command to delete each volume listed with the configuration state of ?configuration error?. Reconfiguration error Indicates that the reconfiguration request did not complete successfully. Migration error Indicates that the dynamic volume relocation operation was ended during processing. Deconfiguration error Indicates that a request to delete a volume did not complete successfully. This state reflects an internal error condition and not an error in the request to remove the volume. To correct this state, you must reissue the rmfbvol command for the designated volume.
data_state	String	One of the following data states are displayed: Normal None of the other data states apply. The access state is Online. Pinned Specifies that none of the other data states apply and the logical volume has one or more pinned non-retryable tracks. The access state is Online. Read only Indicates that the logical volume can be read but not written to because one or more extents on the logical volume are on a rank in the read only data state. The access state is Online. Inaccessible Indicates that one or more extents that are associated with the logical volume are on a rank that is in the inaccessible data state. The access state is Fenced. Virtual space fault Specifies that the logical volume has a storage allocation method of extent space-efficient or track space-efficient. There was not enough available space to convert a virtual logical track to a real logical track. The access state is Online. Indeterminate data loss Specifies that the following data states do not apply and that one of the following conditions has occurred: Data states that do not apply: Rank failed, Rank repairing, Rank repaired, Global inaccessible, Global lost dataConditions - one of the following conditions has occurred: Committed write data was lost before it was destaged and the track identifiers that are associated with the data are unknown. Data was lost that indicated extents on the logical volume were active FlashCopy targets.The access state is Fenced. Rank failed Indicates that one or more extents that are associated with the logical volume are on a rank that is in the Failed data state. The access state is Fenced. This data state changes to Rank repairing if the rank changes to the Rank repairing state through use of the repair array function. Rank Repairing Indicates that one or more extents that are associated with the logical volume are on ranks in the repairing data state. The access state is Fenced. Rank Repaired Indicates that one or more extents that are associated with the logical volume are on ranks that were in the repairing state, but are not in the repairing state now. The access state is Fenced. Global inaccessible Specifies that the global metadata that is associated with the logical volume configuration is inaccessible. Some of the data that is associated with the logical volume might be inaccurate. The access state is Fenced. Global lost Specifies that global metadata that is associated with the logical volume configuration has been lost. As a result, some of the data that is associated with the logical volume might be inaccurate. The access state is Fenced. NVS data inaccessible Specifies that active nonvolatile storage (NVS) data is inaccessible for one or more logical volumes of an LSS group. The logical volumes in the LSS group cannot be made accessible. The access state is Fenced.
data_type	String	Volume data type setting. One of the following values is displayed: FB 512, FB 520P, FB 520U

device_mtm	String	Volume device type and the machine type. The volume MTM is determined by the fixed block volume data type and the volume capacity (in GiB). The machine type is either 2107 or 1750; however, the MTM can be any one of the following depending on your system: 2107-900 This indicates a standard 2107 volume. 1750-500 This indicates a standard 1750 volume. xxxx-A0x The xxxx is 2107 or 1750; the A0 indicates a System i protected volume (for example, 2107-A01 or 1750-A07). xxxx-A8x The xxxx is 2107 or 1750; the A8 indicates a System i unprotected volume (for example, 2107-A81 or 1750-A87).
eam	String	Extent allocation method that was used when the logical volume was created. One of the following values is displayed: legacy Designates that the volume was created before the use of the current algorithm. Legacy is always the reported value for a DS6000 model. rotateexts Designates that volumes were created using storage-pool striping. rotatevols Designates that each successive logical volume that is created is allocated on the next available rank in the extent pool. This is the default value. - (null) A null (-) value is displayed if the extent allocation method does not apply because the specified volume is a space-efficient volume.
extpool_name	String	the name you assigned to the extent pool
ibm_address_group_id	Number	Foreign key to address group details
ibm_extent_pool_id	Number	Foreign key to extent pool details
ibm_logical_volume_id	Number	Foreign key to logical volume details
ibm_storage_system_id	Number	Foreign key to IBM storage system details
last_updated	Date	last updated date
logvol_id	String	Unique identifier that is assigned to this volume object.
logvol_name	String	Logical volume name
nbr_of_extent	Number	Number of extents used by the designated volume ID
nbr_of_rank	Number	Number of ranks that the volume resides on
request_capacity	Number	Requested quantity of volume logical in KiB
sam	String	storage allocation method. The following values are displayed: standard Designates that the system fully allocated the volume with real extents at volume creation time. An inquiry on a DS6000 model always reports this value. tse Designates that a track space-efficient logical volume contains a set of virtual extents that are associated with the space-efficient storage in the same extent pool. Physical space for a given logical track on a track space-efficient logical volume is dynamically allocated and deallocated from the repository in the space-efficient storage.
system_name	String	the name that you assigned to the storage unit
vol_capacity_gb	Number	Logical Volume Capacity in GiB
vol_capacity_kb	Number	Logical Volume Capacity in KiB

aps_v_ibm_ckd_volume_alias *(IBM Capacity Views)*

Contains a single row for each IBM CKD volumealias.

Column Name	Data Type	Description
base_logical_volume_id	Number	Foreign key to logical volume details
base_logical_volume_name	String	Base Logical volume name

ibm_logical_vol_alias_id	Number	Foreign key to logical volume alias details
ibm_storage_system_id	Number	Foreign key to IBM storage system details
last_updated	Date	last updated date
logvol_id	String	Unique identifier that is assigned to this volume object.
logvol_name	String	Logical volume name
serial_nbr	String	Volume serial number
system_name	String	the name that you assigned to the storage unit
volume_type	String	Logical volume is one of the following: CKD base, CKD alias

aps_v_ibm_disk *(IBM Capacity Views)*

Contains a single row for each IBM physical disk.

Column Name	Data Type	Description
arsite_id	String	Array site ID
da_pair	String	Device adapter pair ID that is associated with the specified device adapter.
disk_capacity_gb	Number	DDM raw capacity in GiB
disk_capacity_kb	Number	DDM raw capacity in KiB
disk_class	String	Disk class is either high speed fibre-channel disk drives or near-line disk drives. The displayed value is one of the following: ENT Specifies enterprise and represents high speed fibre-channel disk drives NL Specifies near-line and represents ATA (FATA) disk drives
disk_id	String	System-assigned unique identifier for the DDM
disk_interface_rate	Number	DDM interface rate
disk_interface_type	String	DDM interface type. One of the following values are displayed: FC-AL, FC-NL
disk_rpm	Number	DDM rpm. One of the following values is displayed: 10000, 15000
disk_usage	String	DDM usage in an array site. One of the following values are displayed: unassigned unconfigured spare required spare not required array member
dual_loop	Number	Dual loop that the specified DDM resides on. The value is either 1 or 2
firmware_level	String	Level of firmware that is installed on the specified DDM

ibm_array_site_id	Number	Foreign key to array site details
ibm_device_adapter_id	Number	Foreign key to device adapter details
ibm_physical_disk_id	Number	Foreign key to physical disk details
ibm_storage_system_id	Number	Foreign key to IBM storage system details
last_updated	Date	last updated date
location	String	Storage enclosure and the DDM location. The DDM location format is Pn-Dn, where Pn is the Planer number (1), and Dn is the DDM number (1 - 16)
model	String	DDM model. The model name is a string of the form VRFCGGG, where VRFC is the type of disk family and GGG is the disk capacity in GiB
position	Number	DDM position in an array site configuration of DDMs
state	String	Current DDM state. One of the following values are displayed: Normal The storage device is operational and functional in its current disk usage. New Indicates the initial state when a DDM is inserted or first discovered. Installing A new storage device has been identified. Verifying The storage device is made accessible to the device adapter, its characteristics are determined, cabling is checked, and diagnostics are run. Formatting A verified storage device requires low-level formatting and the formatting operation is in progress. Initializing The storage device is being initialized with all zero sectors. Certifying The storage device is read-accessed to determine that all sectors can be read. Rebuilding The storage device is being rebuilt with data from the array that it is associated with. Migration Target DDM migration is migrating another array member storage device to this spare storage device. Migration Source DDM migration is migrating this array member storage device to another spare storage device. Failed The storage device has failed and an immediate repair action is required. Failed - Deferred Service The storage device has failed and a repair action is not immediately required. Removed The storage device is removed from the system and removal has been processed by the system. Inappropriate The storage device is incompatible with the system; for example, a storage device that has the wrong capacity or rpm. The DDM is not failed, because it can be valid for other systems and locations. Inter failed Indicates that the DDM is faulty but still working. PFSed Indicates that the DDM is prepared for service, and ready to be removed without impacting the system
system_name	String	the name that you assigned to the storage unit

aps_v_ibm_extent_pool *(IBM Capacity Views)*

Contains a single row for each IBM extent pool.

Column Name	Data Type	Description
available_capacity_kb	Number	Available Capacity in KiB
extent_allocated	Number	Allocated Extents
extent_allocated_pct	Number	Allocated Extent
extent_allowed	Number	Allowed Extent
extent_available	Number	Available Extent

extent_available_pct	Number	Available Extent Percentage
extent_configured	Number	Configured Extent
extent_limit_pct	Number	Extent Limit percent
extent_reserved	Number	Reserved extent
extent_threshold_pct	Number	Extent threshold percent
extpool_id	String	Extent Pool ID
extpool_name	String	Extent pool name
extpool_status	String	Extent pool status
ibm_extent_pool_id	Number	Foreign key to extent pool details
ibm_storage_system_id	Number	Foreign key to IBM storage system details
last_updated	Date	Last Updated Date
nbr_of_rank	Number	Number of ranks
nbr_of_volume	Number	Number of volumes
rank_group	Number	Rank Group
reserved_capacity_kb	Number	Reserved capacity in KiB
storage_type	String	Storage Type
system_name	String	System name
total_capacity_kb	Number	Total capacity in KiB
virtual_extent_allocated	Number	Allocated virtual extents
virtual_extent_allocated_pct	Number	Allocated virtual extents percentage
virtual_extent_allowed	Number	Allowed virtual extents
virtual_extent_available	Number	Virtual extents available
virtual_extent_available_pct	Number	Virtual extents available percentage
virtual_extent_configured	Number	Virtual extents configured
virtual_extent_limit_pct	Number	Virtual extents limit percentage
virtual_extent_reserved	Number	Reserved virtual extents
virtual_extent_threshold_pct	Number	Virtual extents threshold percentage
virtual_status	String	Virtual status

aps_v_ibm_fb_volume *(IBM Capacity Views)*

Contains a single row for each IBM FB volume.

Column Name	Data Type	Description
access_state	String	One of the following access states are displayed: Online or Fenced. Online The logical volume is accessible to a host. Fenced The logical volume is in the volume fenced state and is not accessible to the host.
addrgrp_id	String	Storage image address group unique identifier
alloc_repo_capacity	String	allocated physical repository capacity of the track space-efficient storage. This value is calculated on the available repository capacity as a result of writes to the space-efficient volume. This value is displayed in the format of X.Y, where X is whole GiB (1GiB=2^30B) and Y represents tenths of a GiB, which is limited to a single digit (0 - 9).Note: A null (-) value is displayed in this column if the value displayed in the SAM column is Standard.
config_state	String	One of the following configuration states are displayed: Normal Indicates that there are no logical volume configuration operations in progress. Configuring Indicates that the logical volume is in the process of being configured for the first time. Reconfiguring Indicates that the logical volume is in the process of allocating or deallocating extents due to a modification of the requested capacity attribute after initial creation. Migrating Indicates that the logical volume is in the process of performing dynamic volume relocation to a specified extent pool. Deconfiguring Indicates that the logical volume is in the process of being deleted. Configuration error Indicates that the initial configuration did not complete successfully. This state reflects an internal error condition and not an error in the request to create the volume. Corrective action: Use the rmfbvol command to delete each volume listed with the configuration state of ?configuration error?. Reconfiguration error Indicates that the reconfiguration request did not complete successfully. Migration error Indicates that the dynamic volume relocation operation was ended during processing. Deconfiguration error Indicates that a request to delete a volume did not complete successfully. This state reflects an internal error condition and not an error in the request to remove the volume. To correct this state, you must reissue the rmfbvol command for the designated volume.
data_state	String	One of the following data states are displayed: Normal None of the other data states apply. The access state is Online. Pinned Specifies that none of the other data states apply and the logical volume has one or more pinned non-retryable tracks. The access state is Online. Read only Indicates that the logical volume can be read but not written to because one or more extents on the logical volume are on a rank in the read only data state. The access state is Online. Inaccessible Indicates that one or more extents that are associated with the logical volume are on a rank that is in the inaccessible data state. The access state is Fenced. Virtual space fault Specifies that the logical volume has a storage allocation method of extent space-efficient or track space-efficient. There was not enough available space to convert a virtual logical track to a real logical track. The access state is Online. Indeterminate data loss Specifies that the following data states do not apply and that one of the following conditions has occurred: Data states that do not apply: Rank failed, Rank repairing, Rank repaired, Global inaccessible, Global lost dataConditions - one of the following conditions has occurred: Committed write data was lost before it was destaged and the track identifiers that are associated with the data are unknown. Data was lost that indicated extents on the logical volume were active FlashCopy targets.The access state is Fenced. Rank failed Indicates that one or more extents that are associated with the logical volume are on a rank that is in the Failed data state. The access state is Fenced. This data state changes to Rank repairing if the rank changes to the Rank repairing state through use of the repair array function. Rank Repairing Indicates that one or more extents that are associated with the logical volume are on ranks in the repairing data state. The access state is Fenced. Rank Repaired Indicates that one or more extents that are associated with the logical volume are on ranks that were in the repairing state, but are not in the repairing state now. The access state is Fenced. Global inaccessible Specifies that the global metadata that is associated with the logical volume configuration is inaccessible. Some of the data that is associated with the logical volume might be inaccurate. The access state is Fenced. Global lost Specifies that global metadata that is associated with the logical volume configuration has been lost. As a result, some of the data that is associated with the logical volume might be inaccurate. The access state is Fenced. NVS data inaccessible Specifies that active nonvolatile storage (NVS) data is inaccessible for one or more logical volumes of an LSS group. The logical volumes in the LSS group cannot be made accessible. The access state is Fenced.

data_type	String	Volume data type setting. One of the following values is displayed: FB 512, FB 520P, FB 520U
device_mtm	String	Volume device type and the machine type. The volume MTM is determined by the fixed block volume data type and the volume capacity (in GiB). The machine type is either 2107 or 1750; however, the MTM can be any one of the following depending on your system: 2107-900 This indicates a standard 2107 volume. 1750-500 This indicates a standard 1750 volume. xxxx-A0x The xxxx is 2107 or 1750; the A0 indicates a System i protected volume (for example, 2107-A01 or 1750-A07). xxxx-A8x The xxxx is 2107 or 1750; the A8 indicates a System i unprotected volume (for example, 2107-A81 or 1750-A87).
eam	String	Extent allocation method that was used when the logical volume was created. One of the following values is displayed: legacy Designates that the volume was created before the use of the current algorithm. Legacy is always the reported value for a DS6000 model. rotateexts Designates that volumes were created using storage-pool striping. rotatevols Designates that each successive logical volume that is created is allocated on the next available rank in the extent pool. This is the default value. - (null) A null (-) value is displayed if the extent allocation method does not apply because the specified volume is a space-efficient volume.
extpool_name	String	the name you assigned to the extent pool
fb_capacity_type	String	capacity unit type used at volume creation. One of the following values is displayed: ESS The capacity unit is 10 ^ 9B. DS The capacity unit is 2 ^ 30B. DS/ESS The capacity unit is 2 ^ 30B or 10 ^ 9B. Blocks The capacity unit 512B.iSeries The capacity unit was not specified at volume creation. This fixed block volume was created for iSeries.
fb_lun_nbr	Number	Corresponding lun number for the volume seen by the host
ibm_address_group_id	Number	Foreign key to address group details
ibm_extent_pool_id	Number	Foreign key to extent pool details
ibm_logical_volume_id	Number	Foreign key to logical volume details
ibm_storage_system_id	Number	Foreign key to IBM storage system details
last_updated	Date	last updated date
logvol_id	String	Unique identifier that is assigned to this volume object.
logvol_name	String	Logical volume name
nbr_of_extent	Number	Number of extents used by the designated volume ID
nbr_of_rank	Number	Number of ranks that the volume resides on
request_capacity	Number	Requested quantity of volume logical in KiB
sam	String	storage allocation method. The following values are displayed: standard Designates that the system fully allocated the volume with real extents at volume creation time. An inquiry on a DS6000 model always reports this value. tse Designates that a track space-efficient logical volume contains a set of virtual extents that are associated with the space-efficient storage in the same extent pool. Physical space for a given logical track on a track space-efficient logical volume is dynamically allocated and deallocated from the repository in the space-efficient storage.
system_name	String	the name that you assigned to the storage unit
vol_capacity_gb	Number	Logical Volume Capacity in GiB
vol_capacity_kb	Number	Logical Volume Capacity in KiB

aps_v_ibm_rank *(IBM Capacity Views)*

Contains a single row for each IBM Rank

Column Name	Data Type	Description
available_capacity_kb	Number	Available capacity in KiB
byte_read	Number	Read Bytes
byte_write	Number	Write Bytes
counter_timestamp	String	Counter Timestamp
data_state	String	One of the following data states are displayed: Normal None of the other data states apply. The access state is Online. Pinned Specifies that none of the other data states apply and the logical volume has one or more pinned non-retryable tracks. The access state is Online. Read only Indicates that the logical volume can be read but not written to because one or more extents on the logical volume are on a rank in the read only data state. The access state is Online. Inaccessible Indicates that one or more extents that are associated with the logical volume are on a rank that is in the inaccessible data state. The access state is Fenced. Virtual space fault Specifies that the logical volume has a storage allocation method of extent space-efficient or track space-efficient. There was not enough available space to convert a virtual logical track to a real logical track. The access state is Online. Indeterminate data loss Specifies that the following data states do not apply and that one of the following conditions has occurred: Data states that do not apply: Rank failed, Rank repairing, Rank repaired, Global inaccessible, Global lost dataConditions - one of the following conditions has occurred: Committed write data was lost before it was destaged and the track identifiers that are associated with the data are unknown. Data was lost that indicated extents on the logical volume were active FlashCopy targets.The access state is Fenced. Rank failed Indicates that one or more extents that are associated with the logical volume are on a rank that is in the Failed data state. The access state is Fenced. This data state changes to Rank repairing if the rank changes to the Rank repairing state through use of the repair array function. Rank Repairing Indicates that one or more extents that are associated with the logical volume are on ranks in the repairing data state. The access state is Fenced. Rank Repaired Indicates that one or more extents that are associated with the logical volume are on ranks that were in the repairing state, but are not in the repairing state now. The access state is Fenced. Global inaccessible Specifies that the global metadata that is associated with the logical volume configuration is inaccessible. Some of the data that is associated with the logical volume might be inaccurate. The access state is Fenced. Global lost Specifies that global metadata that is associated with the logical volume configuration has been lost. As a result, some of the data that is associated with the logical volume might be inaccurate. The access state is Fenced. NVS data inaccessible Specifies that active nonvolatile storage (NVS) data is inaccessible for one or more logical volumes of an LSS group. The logical volumes in the LSS group cannot be made accessible. The access state is Fenced.
extent_size_trk	Number	Extent size
ibm_array_id	Number	Foreign key to array details
ibm_extent_pool_id	Number	Foreign key to extent pool details
ibm_rank_id	Number	Unique identifier for IBM Rank
ibm_storage_system_id	Number	Foreign key to IBM storage system details
last_updated	Date	Last Updated Date
nbr_of_array_sites	Number	Number of array sites
nbr_of_extent	Number	Number of extents

nbr_of_narrow_array	Number	Number of narrow arrays
raid_type	String	Raid Type
rank_group	Number	Rank Group
rank_id	String	Rank Identifier
reads	Number	Reads
serial_nbr	String	Serial Number
state	String	State
storage_type	String	Storage Type
system_name	String	System name
time_read	Number	Time taken for read
time_write	Number	Time taken for write
total_capacity_kb	Number	Total Capacity in KiB
track_size	Number	Track size
used_capacity_kb	Number	Used capacity in KiB
used_extent	Number	Used Extent
writes	Number	Writes

aps_v_ibm_storage_system *(IBM Capacity Views)*

Contains a single row for each IBM storage system.

Column Name	Data Type	Description
cache_memory_gb	Number	Cache memory configured on the storage unit in GiB
config_allocated_gb	Number	Allocated configured Capacity in GiB
config_allocated_kb	Number	Allocated configured Capacity in KiB
config_available_gb	Number	Configured capacity free in GiB
config_available_kb	Number	Configured capacity free in KiB
config_capacity_gb	Number	Total Configured Capacity in GiB
config_capacity_kb	Number	Total Configured Capacity in KiB
description	String	the value that you have assigned as a description for the storage unit
device_manager_id	Number	Foreign key to device manager details

domain_id	Number	Foreign key to domain details
domain_name	String	Domain name
ds_cli_version	String	DS CLI version
ibm_storage_system_id	Number	Foreign key to IBM storage system details
is_active	String	Y=Yes, N=No
is_essnet	String	Y=Yes, N=No, the storage-complex ESSNet user interface can invoke Copy Services operations to this storage image.
last_updated	Date	last updated date
model	String	the model number that is associated with the storage unit
mts	String	the order type of the storage unit
nbr_allocated_luns	Number	Number of allocated logical units
nbr_of_luns	Number	Number of logical units
node_wwn_id	Number	Foreign key to WWN
nvs_memory_gb	Number	Nonvolatile storage (NVS) memory configured on the storage unit in GiB
os400_serial_nbr	String	Null (-) for a DS8000 model and the iSeries serial number for a DS6000 model
processor_memory_gb	Number	Processor memory configured on the storage unit in GiB
product_name	String	Product Name
raw_allocated_gb	Number	Allocated raw capacity in GiB
raw_allocated_kb	Number	Allocated raw capacity in KiB
raw_available_gb	Number	Available raw capacity in GiB
raw_available_kb	Number	Available raw capacity in KiB
raw_capacity_gb	Number	Raw capacity in GiB
raw_capacity_kb	Number	Raw capacity in KiB
signature	String	the machine signature that is represented by 12 hexadecimal digits in the format xxxx-xxxx-xxxx

state	String	The state of the storage unitSpecifies the status of the storage unit. One of the following values are displayed: Online Indicates that the storage unit is capable of processing all functions. Offline Indicates that the storage unit is not capable of processing any functions. Resuming Indicates that the storage unit is in the process of coming online. Quiescing Indicates that the storage unit is in the process of going offline. Quiesce Exception Indicates that the storage unit is in the quiesce exception state. Forced Quiescing Indicates that the storage unit is in the process of performing a force offline operation. Fenced Indicates that the storage unit has failed and is offline. Discovery Indicates that the storage unit is determining which physical configurations are available and updates itself when it discovers new hardware. (DS6000 only)
storage_manager_version	String	storage Manager Version
system_family	String	System family
system_id	String	the storage image ID that consists of the manufacture, machine type, and serial number
system_name	String	the name that you assigned to the storage unit
system_type	String	System type
wwn	String	the worldwide node name that is assigned to the storage unit

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aps_v_svc_backend_controlprt
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aps_v_svc_storage_volume

aps_v_svc_backend_control *(IBM SVC Views)*

Controller on the backend of the clusters FC

Column Name	Data Type	Description
backend_controller_name	String	Backend controller name
creation_class_name	String	Name of the class or the subclass used in the creation of an instance
dedicated	String	Enumeration indicating whether the ComputerSystem is a special-purpose System
device_id	String	An address or other identifying information uniquely naming the Backend Controller
element_name	String	A user-friendly name for the object
is_allow_quorum	String	Indicates whether the controller has the ability to be a Quorum device
last_updated	Date	Date and time last updated
node_wwn_id	Number	wwn ID of the controller
operational_status	String	Indicates the current statuses of the element
product_id_high	String	The higher part of the controller product ID
product_id_low	String	The lower part of the controller product ID
product_revision	String	The controller product revision
product_serial_nbr	String	Product serial number
svc_backend_control_id	Number	Primary key
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
system_name	String	System name
vendor_id	String	Vendor ID
volume_link_count	Number	The number of links to BackendVolumes
volume_max_link_count	Number	The maximum number of links to BackendVolumes

aps_v_svc_backend_controlprt *(IBM SVC Views)*

Mapping between the backend controller and the ports

Column Name	Data Type	Description
last_updated	Date	Date and time last updated
max_path_count	Number	Maximum path count
path_count	Number	path count
port_wwn_id	Number	wwn ID of the Port
svc_backend_control_id	Number	Foreign key to aps_v_svc_backend_control

svc_backend_controlprt_id	Number	Primary key
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
system_name	String	System name

aps_v_svc_backend_volume *(IBM SVC Views)*

A BackendVolume is a SCSI LUN

Column Name	Data Type	Description
active_wwpn	String	Active WWPN
additional_availability	String	Additional availability
backend_volume_name	String	Backend volume name
block_size_byte	Number	Block size in bytes
capacity_kb	Number	Capacity in KiB
caption	String	short textual description of the object.
consumable_blocks	Number	Consumable blocks on the colume
creation_class_name	String	Name of the class or the subclass used in the creation of an instance
data_organization	String	Type of data organization used.{ "Other","Unknown","Fixed Block","Variable Block", "Count Key Data"}
data_redundancy	Number	Number of complete copies of data currently maintained.
delta_reservation	Number	Current value for Delta reservation. This is a percentage that specifies the amount of space that should be reserved
device_id	String	An address or other identifying information uniquely naming the Backend Controller
element_name	String	The volume's user-friendly name
extent_status	String	StorageExtents have additional status information beyond that captured in the OperationalStatus
identifying_description	String	Identifying description
is_no_single_point_failure	String	Is there any single point failure
is_primordial	String	Is volume primordial
is_sequential_access	String	Is sequential access available
is_underlying_redundancy	String	True indicates that the underlying StorageExtent(s) participate in a StorageRedundancyGroup
last_updated	Date	Date and time last updated
max_path_count	Number	Maximum path count
native_status	String	The volume's native operational status. {"Offline","Online","Degraded","Formatting"}

nbr_of_blocks	Number	Number of blocks
operational_status	String	Operational Status
other_identifying_info	String	Other identifying information
package_redundancy	Number	Package redundancy
path_count	Number	Path count
preferred_wwpn	String	Preferred WWPN
quorum_index	Number	Quorum index
slot_location	String	Slot location
svc_backend_control_id	Number	Foreign key to aps_v_svc_backend_control
svc_backend_volume_id	Number	Primary key
svc_node_id	Number	Foreign key to aps_v_svc_node
svc_storage_pool_id	Number	Foreign key to aps_v_svc_storage_pool
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
system_name	String	System name
unique_id	String	The unique ID of the volume.
volume_access	String	Volume access
volume_mode	Number	Volume mode

aps_v_svc_candidate_node *(IBM SVC Views)*

A SAN Volume Controller node which is not yet a member of a cluster.

Column Name	Data Type	Description
candidate_node_name	String	Candidate node name
caption	String	short textual description of the object.
creation_class_name	String	Name of the class or the subclass used in the creation of an instance
dedicated	String	Enumeration indicating whether the ComputerSystem is a special-purpose System (ie, dedicated to a particular use),versus being general purpose
element_name	String	A user-friendly name for the object
hardware_type	String	The hardware type for this node
is_enabled	String	Is the node enabled
last_updated	Date	Date and time last updated

operational_status	String	Indicates the current status(es) of the element
reset_capability	Number	"If enabled (value = 4), the ComputerSystem can be reset via hardware (for example, the power and reset buttons)
svc_candidate_node_id	Number	Primary key
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
system_name	String	System name
ups_id	String	The unique identifier for the UPS for this node.
ups_serial_nbr	String	The serial number of the UPS for this node

aps_v_svc_fc_port *(IBM SVC Views)*

Fibre-Channel port of a SVC node

Column Name	Data Type	Description
active_cos	String	An array of integers indicating the Classes of Service that are active
active_fc4_types	String	An array of integers indicating the Fibre Channel FC-4 protocols currently running
array_port_id	Number	Foreign key to aps_v_array_port
creation_class_name	String	Name of the class or the subclass used in the creation of an instance
element_name	String	A user-friendly name for the object
identifying_description	String	Identifying description
is_auto_sense	String	whether the NetworkPort is capable " "of automatically determining the speed or other communications characteristics of the attached network media
is_full_duplex	String	indicates that the port is operating in full duplex mode.
last_updated	Date	Date and time last updated
link_technology	Number	An enumeration of the types of links.
max_speed_bps	Number	The maximum bandwidth of the Port in Bits per Second.
max_transmission_byte	Number	Maximum transmission byte
operational_status	String	Indicates the current status of the port.
other_enabled_state	String	Describes the enabled or disabled state of the element when the EnabledState property is set to Other
other_identifying_info	String	Other identifying information
other_port_type	String	Describes the type of module, when PortType is set to Other
permanent_address	String	PermanentAddress defines the network address that is hardcoded into a port.
port_nbr	Number	Port Number

port_type	Number	Port Type
port_wwn_id	Number	wwn ID of the port
speed_bps	Number	Speed in bits per sec
supported_cos	String	An array of integers indicating the Fibre Channel Classes of Service that are supported
supported_fc4_types	String	An array of integers indicating the Fibre Channel FC-4 protocols supported
svc_fc_port_id	Number	Primary key
svc_node_id	Number	Foreign key to aps_v_svc_node
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
system_name	String	System name
usage_restriction	Number	A LogicalPort might be identifiable as a front end or back end port

aps_v_svc_host_adaptor *(IBM SVC Views)*

Mapping between the host interface and the ports

Column Name	Data Type	Description
creation_class_name	String	Name of the class or the subclass used in the creation of an instance
is_port_auth	String	Is port authenticated
last_updated	Date	Date and time last updated
port_wwn_id	Number	wwn ID of the port
svc_host_adaptor_id	Number	Foreign key to aps_v_svc_host_adaptor
svc_host_interface_id	Number	Foreign key to aps_v_svc_host_interface
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
system_name	String	System name

aps_v_svc_host_interface *(IBM SVC Views)*

Contains the SVC host interface information

Column Name	Data Type	Description
caption	String	short textual description of the object.

client_type	Number	Client type
connection_role	String	Connection role
controller_name	String	Controller name
creation_class_name	String	Name of the class or the subclass used in the creation of an instance
device_id	String	An address or other identifying information uniquely naming the Backend Controller
element_name	String	A user-friendly name for the object
host_id	Number	Foreign key to apt_v_server
id_type	Number	ID type
identifying_description	String	Identifying description
instance_id	String	Instance ID
is_access_granted	String	Is access granted
is_current_auth	String	Is currently authorized
iscsi_name	String	iSCSI name
last_updated	Date	Date and time last updated
max_units_controlled	Number	Max units controlled
name_format	Number	Name format
nbr_of_io_groups	Number	Number of IO groups
nbr_of_ports	Number	Number of ports
node_login_count	Number	Node login count
operational_status	String	Operational status
other_id_type	String	Other ID type
other_identifying_info	String	Other identifying information
port_login_mask	String	Port login mask
requested_state	Number	Requested state
state	String	State
svc_host_interface_id	Number	Primary key
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
system_name	String	System name

aps_v_svc_io_group *(IBM SVC Views)*

An IOGroup defines an interface for a set of Volumes.

Column Name	Data Type	Description
caption	String	short textual description of the object.
creation_class_name	String	Name of the class or the subclass used in the creation of an instance
dedicated	String	Enumeration indicating whether the ComputerSystem is a special-purpose System (ie, dedicated to a particular use),versus being general purpose
element_name	String	A user-friendly name for the object
flash_copy_free_memory_kb	Number	The Free Memory available for Flash Copies
flash_copy_total_memory_kb	Number	The total Memory available for Flash Copies
io_group_name	String	IO group name
last_updated	Date	Date and time last updated
mirror_free_memory_kb	Number	The Free Memory available for mirroring metadata.
mirror_total_memory_kb	Number	The total Memory available for mirroring metadata.
nbr_of_hosts	Number	Number of hosts associated with the group
nbr_of_nodes	Number	Number of nodes associated with the group
nbr_of_volumes	Number	Number of volumes associated with the group
remote_copy_free_memory_kb	Number	The Total Memory free for Remote Copies.
remote_copy_total_memory_kb	Number	The Total Memory available for Remote Copies.
svc_io_group_id	Number	Primary key
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
system_name	String	System name

aps_v_svc_map_host_fca *(IBM SVC Views)*

Mapping between host interface and FC port

Column Name	Data Type	Description
last_updated	Date	Date and time last updated

svc_fc_port_id	Number	Foreign key to aps_v_svc_fc_port
svc_host_interface_id	Number	Foreign key to aps_v_svc_host_interface
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
system_name	String	System name

aps_v_svc_map_host_svol *(IBM SVC Views)*

Mapping between host interface and storage volume

Column Name	Data Type	Description
access_priority	Number	Access priority
access_state	Number	Access state
device_access	Number	Device access
device_nbr	String	Device number
last_updated	Date	Date and time last updated
svc_host_interface_id	Number	Foreign key to aps_v_svc_host_interface
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
svc_storage_volume_id	Number	Foreign key to aps_v_svc_storage_volume
system_name	String	System name
unique_id	String	Unique ID

aps_v_svc_map_mext_bvol *(IBM SVC Views)*

Mapping between backend volume and mirror extent

Column Name	Data Type	Description
extent_count	Number	Extent count
last_updated	Date	Date and time last updated
svc_backend_volume_id	Number	Foreign key to aps_v_svc_backend_volume
svc_mirror_extent_id	Number	Foreign key to aps_v_svc_mirror_extent
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system

system_name	String	System name

aps_v_svc_map_svol_bvol *(IBM SVC Views)*

Mapping between backend volume and storage volume

Column Name	Data Type	Description
ending_address	Number	Ending address
extent_count	Number	Extent count
last_updated	Date	Date and time last updated
order_index	Number	Order index
starting_address	Number	Starting address
svc_backend_volume_id	Number	Foreign key to aps_v_svc_backend_volume
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
svc_storage_volume_id	Number	Foreign key to aps_v_svc_storage_volume
system_name	String	System name

aps_v_svc_mirror_extent *(IBM SVC Views)*

Represents a single vdisk copy

Column Name	Data Type	Description
copy_id	Number	Copy ID of the mirror copy
counts	String	he Count values related exactly for that mdisk-vdisk relationship.
creation_class_name	String	Name of the class or the subclass used in the creation of an instance
fast_write_state	String	Values { "Empty","Not Empty","Corrupt"}
free_capacity_kb	Number	Capacity currently free in bytes
grain_size	Number	Space-Efficient property
is_auto_expand	String	Autoexpand attempts to maintain a fixed amount of unused real capacity on the VDisk
is_primary	String	Whether this copy is the primary read copy
is_space_efficient	String	Indicates if this mirror copy is Space-Efficient

is_sync	String	Whether the copy is synced
last_updated	Date	Date and time last updated
over_allocation_pct	Number	Space-Efficient property. Percentage overallocation
real_capacity_kb	Number	Total real capacity in KiB. Allocations
status	String	The copy's native operational status. {"Offline","Online"}
svc_mirror_extent_id	Number	Primary key
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
svc_storage_volume_id	Number	Foreign key to aps_v_svc_storage_volume
system_name	String	System name
type	String	The virtualization type of the vdisk copy.
used_capacity_kb	Number	Capacity currently allocated in bytes
warning	Number	Ratio of UsedCapacity versus StorageVolume capacity at which point an indication is triggered

aps_v_svc_node *(IBM SVC Views)*

A single SAN Volume Controller unit

Column Name	Data Type	Description
caption	String	short textual description of the object.
creation_class_name	String	Name of the class or the subclass used in the creation of an instance
dedicated	String	Enumeration indicating whether the ComputerSystem is a special-purpose System
element_name	String	A user-friendly name for the object
failover_iscsi_alias	String	The iSCSI alias of this node's peer.
failover_iscsi_name	String	The iSCSI Qualified Name of this node's peer.
failover_name	String	The failover name of this node's peer
hardware_type	String	The hardware type of this node
identifying_description	String	Identifying description
is_config_node	String	True, if this node is the current config node of its " "cluster"
is_failover_active	String	Indicates that failover is active on this node
iscsi_alias	String	The iSCSI Alias of this node
iscsi_name	String	The iSCSI name of this node

last_updated	Date	Date and time last updated
native_status	String	The node's native operational status. { "Offline","Online","Pending","Adding","Deleting","Flushing"}
node_name	String	Node name
operational_status	String	Indicates the current status(es) of the element.
other_identifying_info	String	Other identifying information
requested_state	Number	Is an integer enumeration that indicates the last requested or desired state for the element
reset_capability	Number	Values { "Other","Unknown","Disabled","Enabled","Not Implemented"}
svc_io_group_id	Number	Foreign key to aps_v_svc_io_group
svc_node_id	Number	Primary key
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
system_name	String	System name
ups_id	String	The unique identifier for the UPS for this node
ups_serial_nbr	String	The serial number of the UPS for this node

aps_v_svc_node_vpd *(IBM SVC Views)*

Vital Product Data of a SAN Volume Controller Node.

Column Name	Data Type	Description
creation_class_name	String	Name of the class or the subclass used in the creation of an instance
ethernet_ip	String	Ethernet IP address of the node
front_panel_id	String	Front panel ID of the node
instance_id	String	Instance ID
last_updated	Date	Date and time last updated
node_vpd	String	VPD data
svc_node_id	Number	Foreign key to aps_v_svc_node
svc_node_vpd_id	Number	Primary key
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
system_name	String	System name

aps_v_svc_remote_system *(IBM SVC Views)*

A potential candidate cluster for establishing a remote copy partnership

Column Name	Data Type	Description
caption	String	short textual description of the object.
creation_class_name	String	Name of the class or the subclass used in the creation of an instance
element_name	String	A user-friendly name for the object
is_configured	String	Is the remote system configured
last_updated	Date	Date and time last updated
operational_status	String	Operational status of the remote system
remote_storage_system_id	Number	Remote storage system ID
remote_system_name	String	Remote system name
svc_remote_system_id	Number	Primary key
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
system_name	String	System name

aps_v_svc_storage_pool *(IBM SVC Views)*

A pool of Storage that is managed within the scope of a particular System

Column Name	Data Type	Description
caption	String	short textual description of the object.
creation_class_name	String	Name of the class or the subclass used in the creation of an instance
element_name	String	A user-friendly name for the object
extent_size_mb	Number	Extent size in MiB
instance_id	String	Instance ID
is_primordial	String	Indicates that the containing System does not have the ability to create or delete this " "operational element
last_updated	Date	Date and time last updated
native_status	String	Native status of the pool

nbr_of_backend_volumes	Number	Number of backend volumes
nbr_of_storage_volumes	Number	Number of storage columes
operational_status	String	Operational status of the pool
over_allocation_pct	Number	Over allocation percentage
pool_id	String	A unique name in the context of the System that identifies this pool.
real_capacity_kb	Number	Real capacity in KiB
remaining_managed_space_kb	Number	Remaining managed space in KiB
svc_storage_pool_id	Number	Primary key
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
system_name	String	System name
total_managed_space_kb	Number	Total managed space in KiB
used_capacity_kb	Number	Used capacity in KiB
virtual_capacity_kb	Number	Virtual capacity in KiB
warning	Number	Warning

aps_v_svc_storage_system *(IBM SVC Views)*

Contains SVC Array related information

Column Name	Data Type	Description
allocated_capacity_kb	Number	Allocated capacity in KiB
available_capacity_kb	Number	Available capacity in KiB
backend_storage_capacity_kb	Number	Backend storage capacity in KiB
caption	String	short textual description of the object.
cluster_state	Number	Cluster state
code_level	String	Code level
configured_address	String	Configured address
connection_type	Number	Connection type
console_ip_address	String	Console IP address
console_port	String	Console port
creation_class_name	String	Name of the class or the subclass used in the creation of an instance

dedicated	String	Enumeration indicating whether the ComputerSystem is a special-purpose System
description	String	Description
device_manager_id	Number	Foreign key to aps_device_manager
domain_id	Number	Foreign key to apt_v_domain
element_name	String	A user-friendly name for the object
fc_port_speed	Number	FC port speed
gm_link_tolerance	Number	GM link tolerance
id_alias	String	ID alias
is_active	String	Is the storage system active
is_stats_collection_active	String	Is statistics collection active
last_updated	Date	Date and time last updated
locale	String	Locale
max_nbr_of_nodes	Number	Maximum number of nodes
nbr_of_vdisk	Number	Number of Vdisks
operational_status	String	Operational status of the storage system
other_identifying_info	String	Other identifying information
pool_capacity_kb	Number	Storage pool capacity in KiB
required_memory_mb	Number	Required memory in MiB
stats_freq_sec	Number	Statistics frequency in sec
status	String	Status of the storage system
svc_storage_system_id	Number	Primary key
system_name	String	System name
system_type	String	System type
time_zone	String	Timezone
total_over_allocation_pct	Number	Total over allocation percentage
total_used_capacity_kb	Number	Total used capacity in KiB
total_vdisk_capacity_kb	Number	Total vDisk capacity in KiB
total_vdisk_copy_capacity_kb	Number	Total vDisk copy capacity in KiB

aps_v_svc_storage_volume *(IBM SVC Views)*

A Volume is formed by allocating a set of Extents from a Pool

Column Name	Data Type	Description
block_size	Number	Size in bytes of the blocks which form this StorageExtent.
cache_state	String	The volume's cache state.
caption	String	short textual description of the object.
consumable_blocks	Number	The maximum number of blocks, of size BlockSize, which are " "available for consumption when layering StorageExtents using the BasedOn association
copy_capacity_kb	Number	Capacity of the vdisk copies.
copy_count	Number	The number of copies of this vdisk.
creation_class_name	String	Name of the class or the subclass used in the creation of an instance
data_organization	String	Type of data organization used. { "Other","Unknown","Fixed Block","Variable Block", "Count Key Data"}
data_redundancy	Number	Number of complete copies of data currently maintained.
delta_reservation	Number	This is a percentage " "that specifies the amount of space that should be reserved in a replica for caching changes.
element_name	String	A user-friendly name for the object
extent_status	String	Additional status information
flash_copy_id	String	The flash copy ID of the volume.
flash_copy_map_count	Number	The number of Flash Copy Mappings that contain this volume.
flash_copy_name	String	The flash copy name of the volume.
free_capacity_kb	Number	Amount of the storage volume's capacity that is available.
is_controlled	String	This property provides a quick interface for finding Devices with no ControlledBy associations to Controllers
is_formatted	String	Has the volume been formatted by SAN Volume Controller?
is_mirrored	String	Indicates if the volume is mirrored: Y or N.
is_no_single_point_failure	String	Indicates whether or not there exists no single point of failure.
is_primordial	String	If true, indicates that the containing System" " does not have the ability to create or delete this operational element.
is_sequential_access	String	Set to TRUE if the Storage is sequentially accessed by a MediaAccessDevice
is_space_efficient	String	Indicates if any MirrorExtent associated with this StorageVolume is Space-Efficient
is_throttle_mbs	String	If true, the units for Throttle are MB/s, otherwise they are IO/s
is_underlying_redundancy	String	True indicates that the underlying StorageExtent(s) participate in a StorageRedundancyGroup

last_updated	Date	Date and time last updated
native_status	String	The volume's native operational status. {"Offline","Online","Degraded","Formatting"}
nbr_of_blocks	Number	Total number of logically contiguous blocks, of size Block Size, which form this Extent
operational_status	String	The status of the volume.
package_redundancy	Number	How many physical packages can currently fail without data loss
preferred_node	String	The ID of the preferred node.
real_capacity_kb	Number	The storage volume's real capacity.
sc_id	String	The remote copy ID of the volume
sc_name	String	The remote copy name of the volume
storage_volume_id	String	Unique ID for the volume
storage_volume_name	String	Storage volume name
svc_io_group_id	Number	Foreign key to aps_v_svc_io_group
svc_storage_pool_id	Number	Foreign key to aps_v_svc_storage_pool
svc_storage_system_id	Number	Foreign key to aps_v_svc_storage_system
svc_storage_volume_id	Number	Primary key
sync_rate	Number	If a disk is mirrored, the synchronization rate controls the speed at which the mirrored copies keep themselves in sync
system_name	String	System name
throttle	Number	The maximum bandwidth of the volume
unique_id	String	The unique ID of the volume.
unit_device_id	Number	The volume's Unit Device Identifier as defined by OpenVMS
used_capacity_kb	Number	Amount of the storage volume's capacity that is in use.
volume_type	String	The type of the volume., Values { "Sequential","Striped","Router","Image","Many"}

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aps_v_xiv_cluster
aps_v_xiv_component
aps_v_xiv_consistency_group
aps_v_xiv_fc_adaptor
aps_v_xiv_host_interface
aps_v_xiv_ip_interface
aps_v_xiv_mirror
aps_v_xiv_physical_disk
aps_v_xiv_storage_pool
aps_v_xiv_storage_pool_log
aps_v_xiv_storage_system
aps_v_xiv_target
aps_v_xiv_target_connect
aps_v_xiv_volume
aps_v_xiv_volume_log

aps_v_xiv_cluster *(IBM XIV Views)*

Contains information about the XIV clusters

Column Name	Data Type	Description
cluster_name	String	Name of the cluster
cluster_type	String	Cluster type
last_updated	Date	Date and time last updated
system_name	String	System name
xiv_cluster_id	Number	Primary key
xiv_storage_system_id	Number	Foreign key to aps_v_xiv_storage_system

aps_v_xiv_component *(IBM XIV Views)*

List of all componets within the XIV Array

Column Name	Data Type	Description
component_id	String	Product related Component ID
is_functioning	String	Is the component functioning
last_updated	Date	Date and time last updated
requires_service	String	Does this component requires Service
status	String	Status of the component. Ok, Ready or Failed
system_name	String	System name
xiv_component_id	Number	Primary key
xiv_storage_system_id	Number	Foreign key to aps_v_xiv_storage_system

aps_v_xiv_consistency_group *(IBM XIV Views)*

Contains the XIV consistency group information

Column Name	Data Type	Description
consistency_group_name	String	Consistency group name
is_mirrored	String	Is the consistency Group mirrored
last_updated	Date	Date and time last updated
system_name	String	System name
xiv_consistency_group_id	Number	Primary key
xiv_storage_pool_id	Number	Foreign key to aps_v_xiv_storage_pool
xiv_storage_system_id	Number	Foreign key to aps_v_xiv_storage_system

aps_v_xiv_fc_adaptor *(IBM XIV Views)*

Describes the FiberChannel and ISCSI Port information

Column Name	Data Type	Description
array_port_id	Number	Foreign key to aps_v_array_port
component_id	String	Product related Component ID
configured_rate	Number	configuredSpeed in GBaud
current_rate	Number	Current speed in GBaud
last_updated	Date	Date and time last updated
max_supported_rate	Number	maximum supported speed in GBaud
model_nbr	String	Model number
port_nbr	Number	Port number
port_role	String	Port role
port_state	String	Port state. Online or Offline
port_wwn	String	Port WWN
system_name	String	System name
xiv_fc_adaptor_id	Number	Primary key
xiv_storage_system_id	Number	Foreign key to aps_v_xiv_storage_system

aps_v_xiv_host_interface *(IBM XIV Views)*

Contains the XIV host interface information

Column Name	Data Type	Description
host_id	Number	Foreign key to apt_v_server
last_updated	Date	Date and time last updated
os_type	String	Host OS type
port_wwn_id	Number	Foreign key to aps_wwn table
system_name	String	System name
xiv_cluster_id	Number	Foreign key to aps_v_xiv_cluster
xiv_host_interface_id	Number	Primary key
xiv_storage_system_id	Number	Foreign key to aps_v_xiv_storage_system

aps_v_xiv_ip_interface *(IBM XIV Views)*

Management IP Addresses information for the XIV

Column Name	Data Type	Description
gateway	String	Default Gateway of the interface
interface_type	String	Type of the interface. Possible Values: iSCSI or Management
ip_address	String	IP address
ip_interface_name	String	IP interface name
last_updated	Date	Date and time last updated
netmask	String	Network mask
system_name	String	System name
xiv_ip_interface_id	Number	Primary key
xiv_storage_system_id	Number	Foreign key to aps_v_xiv_storage_system

aps_v_xiv_mirror *(IBM XIV Views)*

Mirror information for each Volume

Column Name	Data Type	Description
current_role	String	Role of the mirror
designation	String	Indicates whether its Primary or Secondary Mirror Data.
is_active	String	Is mirror active
is_connected	String	Indicates the LinkUp Status for the Mirror
is_operational	String	Is the mirror operational
last_replicated_snapshot_date	Date	last replicated snapshot date
last_updated	Date	Date and time last updated
local_peer_name	String	Name of the mirror on Local
mirror_object	String	Describes whether the Mirror Name is Volume or Consistency Group.
remote_consistency_group_id	Number	Foreign key to aps_v_xiv_consistency_group
remote_peer_name	String	Name of the Remote Target Volume or Consistency Group of the Mirror
remote_volume_id	Number	Foreign key to aps_v_xiv_volume
sync_state	String	Mirror Synchronization state
sync_type	String	Type of the Mirror Synchronization
system_name	String	System name
xiv_consistency_group_id	Number	Foreign key to aps_v_xiv_consistency_group
xiv_mirror_id	Number	Primary key
xiv_storage_system_id	Number	Foreign key to aps_v_xiv_storage_system
xiv_target_id	Number	Foreign key to aps_v_xiv_target
xiv_volume_id	Number	Foreign key to aps_v_xiv_volume

aps_v_xiv_physical_disk *(IBM XIV Views)*

Disk list information for the XIV

Column Name	Data Type	Description
capacity_kb	Number	Total capacity in KiB
component_id	String	Component ID
firmware_version	String	Firmware version
last_updated	Date	Date and time last updated
model	String	Model
serial_nbr	String	Serial number
system_name	String	System name
usable_size_kb	Number	Usable capacity in KiB
xiv_physical_disk_id	Number	Primary key
xiv_storage_system_id	Number	Foreign key to aps_v_xiv_storage_system

aps_v_xiv_storage_pool *(IBM XIV Views)*

Contains the Storage Pool Information

Column Name	Data Type	Description
free_hard_size_kb	Number	Free hard size in KiB
free_soft_size_kb	Number	Free soft size in KiB
is_locked	String	is storage pool locked
is_thin_provisioned	String	Is storage pool thin provisioned
last_updated	Date	Date and time last updated
lock_behaviour	String	Lock behaviour
snapshot_size_kb	Number	Snapshot size in KiB
storage_pool_name	String	Storage pool name
system_name	String	System name
total_hard_size_kb	Number	Total hard size in KiB
total_soft_size_kb	Number	Total soft size in KiB
used_by_snapshot_kb	Number	Capacity used by snapshots in KiB
used_by_volume_kb	Number	Capacity used by Volumes in KiB
xiv_storage_pool_id	Number	Primary key

xiv_storage_system_id	Number	Foreign key to aps_v_xiv_storage_system

aps_v_xiv_storage_pool_log *(IBM XIV Views)*

Contains the Storage Pool historic data.

Column Name	Data Type	Description
free_hard_size_kb	Number	Empty hard, actual physical space of the storage pool in KiB.
free_soft_size_kb	Number	Empty soft space (thin capacity) of the storage pool in KiB.
log_date	Date	Log Date
nbr_of_consistency_groups	Number	Number of Consistency Groups associated with the XIV storage pool.
nbr_of_volumes	Number	Number of Volumes associated with the XIV storage pool.
snapshot_size_kb	Number	Snapshot size of the XIV storage pool in KiB.
snapshot_usage_kb	Number	Amount of space in the XIV storage pool that is used by snapshots in KiB.
storage_pool_name	String	Storage pool name
system_name	String	System name
total_hard_size_kb	Number	Total hard, physical capacity of the XIV storage pool in KiB.
total_soft_size_kb	Number	Total soft (thin) capacity of the XIV storage pool in KiB.
volume_capacity_kb	Number	Sum of the total capacity of the volumes associated with the storage pool in KiB.
volume_usage_kb	Number	Sum of the used capacity of the XIV volume associated with the storage pool.
xiv_storage_pool_id	Number	Primary key
xiv_storage_system_id	Number	Foreign key to aps_v_xiv_storage_system

aps_v_xiv_storage_system *(IBM XIV Views)*

XIV Array related information

Column Name	Data Type	Description
domain_id	Number	Foreign key to apt_v_domain
free_hard_kb	Number	Free Hard size in KiB
free_soft_kb	Number	Free Soft size in KiB

iscsi_name	String	iSCSI Name of XIV
last_updated	Date	Date and time last updated
machine_model	String	Machine model
machine_type	String	Machine type
max_pool_size_kb	Number	Maximum pool size in KiB
nbr_allocated_luns	Number	Number of allocated luns
nbr_of_luns	Number	Number of luns
nbr_of_spare_disks	Number	Number of spare Disks
nbr_of_spare_modules	Number	Number of spare modules
nbr_of_target_spare_disks	Number	Number of target spare Disks
nbr_of_target_spare_modules	Number	Number of target spare modules
serial_nbr	String	Serial number
system_id	Number	Product related system ID
system_name	String	System name
system_time	Date	System Date and time
system_version	String	System version
total_free_kb	Number	Total Soft size in KiB
total_hard_kb	Number	Total Hard size in KiB
xiv_storage_system_id	Number	Primary key

aps_v_xiv_target *(IBM XIV Views)*

Contains the XIV Target definitions

Column Name	Data Type	Description
is_connected	String	Is the target connected
iscsi_name	String	iSCSI name
last_updated	Date	Date and time last updated
scsi_type	String	SCSI type
system_name	String	System name
target_storage_system_id	Number	Foreign key to aps_v_xiv_storage_system

target_storage_system_name	String	Target storage system name
xiv_storage_system_id	Number	Foreign key to aps_v_xiv_storage_system
xiv_target_id	Number	Primary key

aps_v_xiv_target_connect *(IBM XIV Views)*

Remote target connectivity definition for all the target definitions

Column Name	Data Type	Description
is_active	String	Is target connect active
is_connected	String	Is target connected
last_updated	Date	Date and time last updated
remote_fc_adaptor_id	Number	Target FC adaptor id. Foreign key to aps_v_xiv_fc_adaptor
remote_port_wwn	String	Target port WWN
system_name	String	System name
xiv_fc_adaptor_id	Number	Foreign key to aps_v_xiv_fc_adaptor
xiv_ip_interface_id	Number	Foreign key to aps_v_xiv_ip_interface
xiv_storage_system_id	Number	Foreign key to aps_v_xiv_storage_system
xiv_target_connect_id	Number	Primary key
xiv_target_id	Number	Foreign key to aps_v_xiv_target

aps_v_xiv_volume *(IBM XIV Views)*

Contains XIV volumes information

Column Name	Data Type	Description
capacity_blk	Number	Capacity in blocks
delete_priority	Number	Deletion Priority for the volume
is_locked	String	Is volume locked
is_mirrored	String	Is volume mirrored
is_modified	String	Is volume modified

last_updated	Date	Date and time last updated
master_volume_id	Number	Master volume id
serial_nbr	Number	specifies SCSI serial number for volume
snapshot_date	Date	Snapshot date
system_name	String	System name
total_capacity_kb	Number	Total capacity in KiB
used_kb	Number	Used volume in KiB
volume_name	String	Volume name
wwn	String	WWN
xiv_consistency_group_id	Number	Foreign key to aps_v_xiv_consistency_group
xiv_storage_pool_id	Number	Foreign key to aps_v_xiv_storage_pool
xiv_storage_system_id	Number	Foreign key to aps_v_xiv_storage_system
xiv_volume_id	Number	Primary key

aps_v_xiv_volume_log *(IBM XIV Views)*

Contains XIV volumes historic data.

Column Name	Data Type	Description
capacity_blk	Number	Capacity of the XIV volume.
log_date	Date	Log Date
nbr_of_snapshots	Number	Number of snapshots associated with the volume.
snapshot_usage_kb	Number	Amount of space in the XIV volume that is used by snapshots, in KiB.
system_name	String	System name
total_capacity_kb	Number	Size of the volume, in KiB
volume_name	String	Volume name
volume_usage_kb	Number	Sum of the used capacity of the XIV volume, in KiB
xiv_storage_system_id	Number	Foreign key to aps_v_xiv_storage_system
xiv_volume_id	Number	Primary key

NetApp Views (Go to Top)

aps_v_nap_aggregate
aps_v_nap_cifs_share
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aps_v_nap_snapshot_schedule
aps_v_nap_storage_system
aps_v_nap_volume
aps_v_nap_volume_cifs_nfs
aps_v_nap_volume_duplicated
aps_v_nap_volume_log

aps_v_nap_aggregate *(NetApp Views)*

The aps_v_nap_aggregate view contains a single row for each aggregate.

Column Name	Data Type	Description
aggregate_name	String	Aggregate name
aggregate_state	String	Aggregate state
aggregate_type	String	Aggregate type
aggregate_uuid	String	Aggregate uuid
available_size_gb	Number	Available size in GiB
available_size_kb	Number	Available size in KiB
check_sum_status	String	Checksum status
check_sum_style	String	Checksum style
disk_count	Number	Number of disks in the aggregate.
files_total	Number	Total file count.
files_used	Number	File used
is_checksum_enabled	String	Y=Yes, N=No
is_inconsistent	String	Y=Yes, N=No
is_snap_lock	String	Y=Yes, N=No
last_updated	Date	last updated date
mirror_status	String	Mirror status
nap_aggregate_id	Number	Aggregate Id
nap_storage_system_id	Number	NetApp Storage system Id (internal)
pct_used	Number	Percentage used

plex_count	Number	Plex count
raid_size_gb	Number	Raid size in GiB
raid_size_kb	Number	Raid size in KiB
raid_status	String	Raid status
snaplock_type	String	Snaplock type
system_name	String	System name
total_size_gb	Number	Total size in GiB
total_size_kb	Number	Total size in KiB
used_size_gb	Number	Used size in GiB
used_size_kb	Number	Used size in KiB

aps_v_nap_cifs_share *(NetApp Views)*

The aps_v_nap_cifs_share view contains a single row for each cifs share.

Column Name	Data Type	Description
aggregate_name	String	Aggregate name
available_gb	Number	CIFS available size in GiB
cifs_share_name	String	CIFS share name
description	String	Description of the share.
force_group	String	Name of the group to which files to be created in the share belong to.
host_id	Number	foreign key to host details
host_mount_point	String	Host mount point for CIFS
host_name	String	The hostname of the client/server.
is_volume_offline	String	Y=Yes, N=No. If Yes, volume is offline and the shares are not available.
mount_point	String	Mount point of the share.
nap_aggregate_id	Number	Aggregate Id
nap_cifs_share_id	Number	Foreign key to CIFS share details
nap_qtree_id	Number	Foreign key to Qtree details for NFS
nap_storage_system_id	Number	NetApp Storage system Id (internal)
nap_volume_id	Number	Volume Id

nbr_max_user	Number	Max no. of simultaneous connections to the share.
parent_storage_system_id	Number	Parent Storage system Id (internal)
parent_system_name	String	Parent System Name
qtree_name	String	Qtree name for NFS
storage_list	String	List of storage array id and name.
system_name	String	System Name
total_gb	Number	CIFS total size in GiB
used_gb	Number	CIFS allocated size in GiB
volume_name	String	Volume name

aps_v_nap_disk *(NetApp Views)*

The aps_v_nap_disk view contains a single row for each disk.

Column Name	Data Type	Description
aggregate_name	String	Aggregate name
bay	String	Bay
blocks_read	Number	Blocks read
blocks_written	Number	Blocks written
broken_details	String	Broken details
bytes_per_sector	Number	Bytes per sector
checksum_compatibility	String	Checksum compatibility
copy_destination	String	Copy destination
copy_pct	Number	Copy percentage
disk_id	Number	Disk Id
disk_model	String	Disk model
disk_name	String	Disk Name
disk_type	String	Disk type
disk_uid	String	Disk uid
firmware_revision	String	Firmware revision
grown_defect_list_count	Number	Grown defect list count

host_adaptor	String	Host adaptor
is_dynamically_qualified	String	Y=Yes, N=No
is_offline	String	Y=Yes, N=No
is_prefailed	String	Y=Yes, N=No
is_replacing	String	Y=Yes, N=No
is_zeroed	String	Y=Yes, N=No
last_updated	Date	Last updated date
nap_aggregate_id	Number	Aggregate Id
nap_physical_disk_id	Number	NetApp Physical Disk Id (internal)
nap_plex_id	Number	Plex Id
nap_raid_group_id	Number	Raid group Id
nap_storage_system_id	Number	NetApp Storage system Id (internal)
nap_volume_id	Number	Volume Id
physical_block	Number	Physical block
physical_space_gb	Number	Physical space in GiB
physical_space_kb	Number	Physical space in KiB
plex_name	String	Plex name
pool_name	String	Pool Name
port_id	String	Port Id
port_name	String	Port Name
poweron_hours	Number	Power-on hours
raid_group_name	String	Raid group name
raid_state	String	Raid state
raid_type	String	Raid type
raw_disk_sectors	Number	Raw disk sectors
reconstruction_pct	Number	reconstruction percentage
rpm	Number	rpm
scrub_count	Number	Scrub count
scub_last_done	Number	Scub last done
secondary_name	String	Secondary name

secondary_port	String	Secondary port
serial_nbr	String	Serial Number
shelf	String	Shelf
shm_time_interval	Number	SHM time interval
system_name	String	System name
used_blocks	Number	Used blocks
used_space_gb	Number	Used space in GiB
used_space_kb	Number	Used space in KiB
vendor_id	String	Vendor Id
volume_name	String	Volume name
zeroing_pct	Number	Zeroing percentage

aps_v_nap_lun *(NetApp Views)*

The aps_v_nap_lun view contains a single row for each LUN.

Column Name	Data Type	Description
aggregate_name	String	Aggregate name
backing_snapshot	String	Path to the backing snapshot file for a LUN, if there is one. Only returned if it has one. Note: This element is not returned for LUNs which are in snapshots.
igroup_name	String	Igroup name
is_mapped	String	Y=Yes, N=No. Whether or not the LUN is mapped to any initiators.
is_online	String	Y=Yes, N=No. State of the LUN.
is_read_only	String	Y=Yes, N=No
is_space_reserve_enabled	String	Y=Yes, N=No
logical_unit_id	Number	foreign key to logical unit details
lun_path	String	Path of the LUN.
lun_share_state	String	Share state of the LUN, (all, none, read, or write). In the very rare case that the share state can not be determined, unknown is returned.
lun_size_gb	Number	LUN size in GiB
lun_uuid	String	Universal unique identifier (UUID) for the LUN.
multi_protocal_type	String	Multiprotocol type of the LUN Possible values: aix, image, hpux, linux, netware, solaris, windows, vld, VMware, windows_gpt
nap_aggregate_id	Number	Foreign key to Aggregate details

nap_igroup_id	Number	Foreign key to Igroup details
nap_qtree_id	Number	Foreign key to Qtree details for NFS
nap_storage_system_id	Number	NetApp Storage system Id (internal)
nap_volume_id	Number	Foreign key to Volume details
parent_storage_system_id	Number	Parent Storage system Id (internal)
parent_system_name	String	Parent System Name
qtree_name	String	Qtree name for NFS
storage_list	String	List of storage array id and name.
system_name	String	System Name
volume_name	String	Volume name

aps_v_nap_nfs_export *(NetApp Views)*

The aps_v_nap_nfs_export view contains a single row for each nfs export.

Column Name	Data Type	Description
aggregate_name	String	Aggregate name
available_gb	Number	NFS available size in GiB
host_id	Number	foreign key to host details
host_mount_point	String	Host mount point for NFS
host_name	String	The hostname of the client/server.
host_type	String	Host type
nap_aggregate_id	Number	Aggregate Id
nap_nfs_export_id	Number	Foreign key to NFS export details
nap_qtree_id	Number	Foreign key to Qtree details for NFS
nap_storage_system_id	Number	NetApp Storage system Id (internal)
nap_volume_id	Number	Volume Id
parent_storage_system_id	Number	Parent Storage system Id (internal)
parent_system_name	String	Parent System Name
path_name	String	Path name
qtree_name	String	Qtree name for NFS

root_host_name	String	The Root hostname
storage_list	String	List of storage array id and name.
system_name	String	System Name
total_gb	Number	NFS total size in GiB
used_gb	Number	NFS allocated size in GiB
volume_name	String	Volume name

aps_v_nap_qtree *(NetApp Views)*

The aps_v_nap_qtree view contains a single row for each qtree.

Column Name	Data Type	Description
last_updated	Date	Last updated date
nap_qtree_id	Number	Qtree Id
nap_storage_system_id	Number	NetApp Storage system Id (internal)
nap_volume_id	Number	Volume Id
oplocks	String	oplocks
qtree_name	String	Qtree name
qtree_nbr	Number	Qtree number
security_style	String	Security style
status	String	Status
system_name	String	System name
volume_name	String	Volume name

aps_v_nap_qtree_duplicated *(NetApp Views)*

The aps_v_nap_qtree_duplicated view contains a single row for each qtree which might be in both the Original array and Virtual Filer.

Column Name	Data Type	Description
last_updated	Date	Last updated date
nap_qtree_id	Number	Qtree Id

nap_storage_system_id	Number	NetApp Storage system Id (internal)
nap_volume_id	Number	Volume Id
oplocks	String	oplocks
qtree_name	String	Qtree name
qtree_nbr	Number	Qtree number
security_style	String	Security style
status	String	Status
system_name	String	System name
volume_name	String	Volume name

aps_v_nap_quota *(NetApp Views)*

The aps_v_nap_quota view contains a single row for each quota.

Column Name	Data Type	Description
disk_limit	Number	Maximum amount of disk space, in KiB, allowed for the quota target (hard disk space limit).
disk_threshold	Number	Disk space threshold, in KiB, for the quota target.
disk_used	Number	Current amount of disk space, in KiB, used by the quota target.
file_limit	Number	Maximum number of files allowed for the quota target (hard files limit).
file_used	Number	Current number of files used by the quota target.
group_name	String	Group name
last_updated	Date	Last updated date
nap_group_id	Number	Foreign key to Group details
nap_qtree_id	Number	Foreign key to Qtree details for NFS
nap_quota_id	Number	NetApp Quota Id (internal)
nap_storage_system_id	Number	NetApp Storage system Id (internal)
nap_user_id	Number	Foreign key to User details
nap_volume_id	Number	Foreign key to Volume details
qtree_name	String	Qtree name for NFS
quota_target	String	For an explicit quota, this value is a fully qualified quota target which is the quota target specified in the /etc/quotas file and the domain in the QUOTA_TARGET_DOMAIN directive is in effect. Mulitple targets are comma separated. For a derived quota, the field is blank.

quota_type	String	The type of quota: user, group, or tree.
quota_user_id	String	Quota user ID
quota_user_name	String	Quota user name
quota_user_type	String	Quota user type
soft_disk_limit	Number	Soft disk space limit, in KiB, for the quota target.
soft_file_limit	Number	Soft file limit, in number of files, for the quota target.
system_name	String	System Name
user_name	String	User name
vfiler	String	Name of the vfiler to which the quota applies, if vfilers are in use.
volume_name	String	Volume name

aps_v_nap_quota_log *(NetApp Views)*

The aps_v_nap_quota_log view contains a single row for each quota log.

Column Name	Data Type	Description
disk_limit	Number	Maximum amount of disk space, in KiB, allowed for the quota target (hard disk space limit).
disk_threshold	Number	Disk space threshold, in KiB, for the quota target.
disk_used	Number	Current amount of disk space, in KiB, used by the quota target.
file_limit	Number	Maximum number of files allowed for the quota target (hard files limit).
file_used	Number	Current number of files used by the quota target.
group_name	String	Group name
log_date	Date	Log date
nap_group_id	Number	Internally generated number that identifies a NetApp Group.
nap_qtree_id	Number	Foreign key to Qtree details for NFS
nap_quota_id	Number	NetApp Quota Id (internal)
nap_storage_system_id	Number	NetApp Storage system Id (internal)
nap_user_id	Number	Internally generated number that identifies a NetApp User.
nap_volume_id	Number	Internally generated number that identifies a NetApp Volume.
qtree_name	String	Qtree name for NFS
soft_disk_limit	Number	Soft disk space limit, in KiB, for the quota target.

soft_file_limit	Number	Soft file limit, in number of files, for the quota target.
system_name	String	System Name
user_name	String	User name
volume_name	String	Volume name

aps_v_nap_quota_status *(NetApp Views)*

The aps_v_nap_quota_status view contains a single row for each quota status.

Column Name	Data Type	Description
last_updated	Date	Last updated date
nap_storage_system_id	Number	NetApp Storage system Id (internal)
nap_volume_id	Number	Foreign key to Volume details
pct_complete	Number	The percentage complete for an on or resize operation. This is present when the status is resizing or initializing.
quota_errors	String	Collection of quota errors including the value of the reason tag above. Each error will be separated by a newline, \n. Since the quota parser does not stop when a parsing error occurs, this tag returns all the errors from the quota parser. If not present, there are no errors.
reason	String	The last quota error message. If not present, there are no errors.
status	String	Primary status of quotas on the indicated volume; Possible values: on, off, resizing, initializing, and shutting down.
sub_status	String	Minor quota status on the indicated volume. This status is only valid when primary status is resizing or initializing. Possible values are: scanning, etc scanning, setup, queue scan, done, and none.
system_name	String	System Name
volume_name	String	Volume name

aps_v_nap_snapshot *(NetApp Views)*

The aps_v_nap_snapshot view contains a single row for each snapshot.

Column Name	Data Type	Description
access_time	Date	Access time
cum_pct_of_total_blocks	Number	Cumulative percentage of total blocks
cum_pct_of_used_blocks	Number	Cumulative percentage of used blocks
cum_total	Number	Cumulative total blocks

dependency	String	Dependency
is_busy	String	Y=Yes, N=No
last_updated	Date	Last updated date
nap_storage_system_id	Number	NetApp Storage system Id (internal)
nap_volume_id	Number	Volume Id
pct_of_total_blocks	Number	Percentage of total blocks
pct_of_used_blocks	Number	Percentage of used blocks
snapshot_name	String	Snapshot name
system_name	String	System name
total	Number	Total blocks
volume_name	String	Volume name

aps_v_nap_snapshot_log *(NetApp Views)*

Contains NetApp Snapshot log

Column Name	Data Type	Description
log_date	Date	Date when log record was created
nap_storage_system_id	Number	Foreign key to aps_v_nap_storage_system
nap_volume_id	Number	Foreign key to aps_v_nap_volume
system_name	String	System name
used_kb	Number	Used space in KiB

aps_v_nap_snapshot_schedule *(NetApp Views)*

Contains NetApp Snapshot schedules

Column Name	Data Type	Description
last_updated	Date	Date and time last updated
nap_storage_system_id	Number	Foreign key to aps_v_nap_storage_system
nap_volume_id	Number	Foreign key to aps_v_nap_volume

snapshots_per_day	Number	No.of snapshots per day
snapshots_per_hour	Number	No.of snapshots per hour
snapshots_per_minute	Number	No.of snapshots per minute
snapshots_per_week	Number	No.of snapshots per week
system_name	String	System name
which_hours	String	schedule hours
which_minutes	String	schedule minutes

aps_v_nap_storage_system *(NetApp Views)*

The aps_v_nap_storage_system view contains a single row for each NetApp Storage System.

Column Name	Data Type	Description
backplane_part_nbr	String	Part number of the backplane.
backplane_revision	String	Revision of the backplane part number.
backplane_serial_nbr	String	Backplane serial number
board_speed	Number	Speed of the system board in mega Hertz.
board_type	String	Type of the system board.
cache_gb	Number	Cache in GiB
cache_kb	Number	Cache in KiB
config_available_gb	Number	Config available in GiB
config_available_kb	Number	Config available in KiB
config_capacity_gb	Number	Config capacity in GiB
config_capacity_kb	Number	Config capacity in KiB
config_used_gb	Number	Config used in GiB
config_used_kb	Number	Config used in KiB
cpu_clob_revision_id	String	Processor CIOB (Champion I/O Bus) revision ID.
cpu_firmware_release	String	CPU Firmware release number.
cpu_microcode_version	String	CPU microcode version
cpu_part_number	String	CPU part number
cpu_processor_id	String	CPU processor Id

cpu_processor_type	String	CPU processor type
cpu_revision	String	CPU part number revision
cpu_serial_number	String	CPU serial number
device_manager_id	Number	foreign key to device manager details
domain_id	Number	foreign key to domain details
domain_name	String	Domain name
is_active	String	Y=Yes, N=No
iscsi_node_name	String	iSCSINodeName of the array
last_updated	Date	last updated date
major_version	Number	Current ONTAPI major version
memory_size_gb	Number	Memory size in GiB.
memory_size_kb	Number	Memory size in MiB.
minor_version	Number	Current ONTAPI minor version
nap_storage_system_id	Number	NetApp Storage system Id (internal)
nbr_allocated_luns	Number	Number of allocated LUNs
nbr_of_luns	Number	Number of LUNs
nbr_of_processors	String	Number of processors
object_id	String	Object Id
ontap_version	String	OnTap version
partner_system_id	String	Partner system Id
partner_system_name	String	Partner system name
partner_system_serial_nbr	String	Partner system serial number
prod_type	String	Product type
raw_allocated_gb	Number	Raw allocated in GiB
raw_allocated_kb	Number	Raw allocated in KiB
raw_available_gb	Number	Raw available in GiB
raw_available_kb	Number	Raw available in KiB
raw_capacity_gb	Number	Raw capacity in GiB
raw_capacity_kb	Number	Raw capacity in KiB
status	String	Status

supports_raid_array	String	Indicates whether the system supports raid arrays back-end connectivity or not. Y=Yes, N=No
system_id	String	System Id
system_machine_type	String	System machine type
system_model	String	System model
system_name	String	System Name
system_revision	String	System revision
system_serial_nbr	String	System serial number
vendor_id	String	Hardware vendor identifier.

aps_v_nap_volume *(NetApp Views)*

The aps_v_nap_volume view contains a single row for each volume.

Column Name	Data Type	Description
aggregate_name	String	Aggregate name
available_size_gb	Number	Available size in GiB
available_size_kb	Number	Available size in KiB
blocks_reserved	Number	Blocks reserved
check_sum_style	String	Checksum style
containing_aggregate	String	Containing aggregate
disk_count	Number	Disk count
files_total	Number	Files total
files_used	Number	Files used
init_quota	Number	Init quota
is_checksum_enabled	String	Y=Yes, N=No
is_inconsistent	String	Y=Yes, N=No
is_snap_lock	String	Y=Yes, N=No
is_unrecoverable	String	Y=Yes, N=No
last_updated	Date	Last updated date
mirror_status	String	Mirror status
nap_aggregate_id	Number	Aggregate Id

nap_storage_system_id	Number	NetApp Storage system Id (internal)
nap_volume_id	Number	Volume Id
pct_used	Number	Percentage used
percent_reserved	Number	Percent reserved
plex_count	Number	Plex count
raid_size_gb	Number	Raid size in GiB
raid_size_kb	Number	Raid size in KiB
raid_status	String	Raid status
reqd_reserve_gb	Number	Require reserved size in GiB
reqd_reserve_kb	Number	Require reserved size in KiB
reserve_gb	Number	Reserved size in GiB
reserve_kb	Number	Reserved size in KiB
reserve_space	String	Reserve space
reserve_used_gb	Number	Reserved used size in GiB
reserve_used_kb	Number	Reserved used size in KiB
snaplock_type	String	Snaplock type
space_reserve_enabled	String	Y=Yes, N=No
system_name	String	System name
total_size_gb	Number	Total size in GiB
total_size_kb	Number	Total size in KiB
used_size_gb	Number	Used size in GiB
used_size_kb	Number	Used size in KiB
volume_name	String	Volume name
volume_state	String	Volume state
volume_type	String	Volume type
volume_uuid	String	Volume uuid

aps_v_nap_volume_cifs_nfs *(NetApp Views)*

The aps_v_nap_volume_cifs_nfs view contains a single row for volume/cifs/nfs.

Column Name	Data Type	Description
aggregate_name	String	Aggregate name
aggregate_pct_used	Number	Aggregate percentage used
cifs_available_gb	Number	CIFS available size in GiB
cifs_host_id	Number	foreign key to host details
cifs_host_mount_point	String	Host mount point for CIFS
cifs_host_name	String	The hostname of the client/server.
cifs_nap_qtree_id	Number	Foreign key to Qtree details for CIFS
cifs_nap_volume_id	Number	Foreign key to Volume details for CIFS
cifs_qtree_name	String	Qtree name for CIFS
cifs_share_name	String	CIFS share name
cifs_total_gb	Number	CIFS total size in GiB
cifs_used_gb	Number	CIFS allocated size in GiB
description	String	Description of the share.
force_group	String	Name of the group to which files to be created in the share belong to.
host_type	String	Host type
is_volume_offline	String	Y=Yes, N=No. If Yes, volume is offline and the shares are not available.
mount_point	String	Mount point of the share.
nap_aggregate_id	Number	Aggregate Id
nap_cifs_share_id	Number	Foreign key to CIFS share details
nap_nfs_export_id	Number	Foreign key to NFS export details
nap_storage_system_id	Number	NetApp Storage system Id (internal)
nap_volume_id	Number	Volume Id
nbr_max_user	Number	Max no. of simultaneous connections to the share.
nfs_available_gb	Number	NFS available size in GiB
nfs_host_id	Number	foreign key to host details
nfs_host_mount_point	String	Host mount point for NFS
nfs_host_name	String	The hostname of the client/server.
nfs_nap_qtree_id	Number	Foreign key to Qtree details for NFS
nfs_nap_volume_id	Number	Foreign key to Volume details for NFS

nfs_path_name	String	NFS path name
nfs_qtree_name	String	Qtree name for NFS
nfs_total_gb	Number	NFS total size in GiB
nfs_used_gb	Number	NFS allocated size in GiB
num_of_exports	Number	Number of NFS exports
num_of_luns	Number	Number of LUNs
num_of_qtrees	Number	Number of Qtrees
num_of_shares	Number	Number of CIFS shares
num_of_snapshots	Number	Number of Snapshots
parent_storage_system_id	Number	Parent Storage system Id (internal)
parent_system_name	String	Parent System Name
raid_type	String	The current RAID status. Possible values: copying, degraded, foreign, growing, initializing, invalid, ironing, mirror degraded, mirrored, needs check, noparity, normal, out-of-date, partial, raid0, raid4, raid_dp, reconstruct, resyncing, snapmirrored, verifying, unrecoverable. This field can contain a combination of the above status values in a comma separated list
root_host_name	String	Root hostname
space_guarantee	String	Flexible volumes only. The storage guarantee associated with the flexible volume. Possible values: none, file, volume.
storage_list	String	List of storage array id and name.
system_name	String	System Name
volume_allocated_gb	Number	Volume allocated size in GiB
volume_available_gb	Number	Volume Available size in GiB
volume_name	String	Volume name
volume_total_gb	Number	Volume total size in GiB
volume_type	String	Volume type

aps_v_nap_volume_duplicated *(NetApp Views)*

The aps_v_nap_volume_duplicated view contains a single row for each volume which might be in both Original array and Virtual Filer.

Column Name	Data Type	Description
aggregate_name	String	Aggregate name
available_size_gb	Number	Available size in Gigabytes
available_size_kb	Number	Available size in Kb

blocks_reserved	Number	Blocks reserved
check_sum_style	String	Checksum style
containing_aggregate	String	Containing aggregate
disk_count	Number	Disk count
files_total	Number	Files total
files_used	Number	Files used
init_quota	Number	Init quota
is_checksum_enabled	String	Y=Yes, N=No
is_inconsistent	String	Y=Yes, N=No
is_snap_lock	String	Y=Yes, N=No
is_unrecoverable	String	Y=Yes, N=No
last_updated	Date	Last updated date
mirror_status	String	Mirror status
nap_aggregate_id	Number	Aggregate Id
nap_storage_system_id	Number	NetApp Storage system Id (internal)
nap_volume_id	Number	Volume Id
pct_used	Number	Percentage used
percent_reserved	Number	Percent reserved
plex_count	Number	Plex count
raid_size_gb	Number	Raid size in Gigabytes
raid_size_kb	Number	Raid size in Kb
raid_status	String	Raid status
reqd_reserve_gb	Number	Require reserved size in Gigabytes
reqd_reserve_kb	Number	Require reserved size in Kb
reserve_gb	Number	Reserved size in Gigabytes
reserve_kb	Number	Reserved size in Kb
reserve_space	String	Reserve space
reserve_used_gb	Number	Reserved used size in Gigabytes
reserve_used_kb	Number	Reserved used size in Kb
snaplock_type	String	Snaplock type

space_reserve_enabled	String	Y=Yes, N=No
system_name	String	System name
total_size_gb	Number	Total size in Gigabytes
total_size_kb	Number	Total size in Kb
used_size_gb	Number	Used size in Gigabytes
used_size_kb	Number	Used size in Kb
volume_name	String	Volume name
volume_state	String	Volume state
volume_type	String	Volume type
volume_uuid	String	Volume uuid

aps_v_nap_volume_log *(NetApp Views)*

Contains a single row for each NetApp volume log

Column Name	Data Type	Description
available_size_kb	Number	Available size in KiB
log_date	Date	Log date
nap_volume_id	Number	Volume Id
system_name	String	System name from aps_v_nap_volume_log
total_size_kb	Number	Total size in KiB
used_size_kb	Number	Used size in KiB
volume_name	String	Volume name from aps_v_nap_volume

NetApp Cluster-Mode Views (Go to Top)

aps_v_ntc_aggr_perform_log
aps_v_ntc_aggregate
aps_v_ntc_aggregate_log
aps_v_ntc_aggregate_relocate
aps_v_ntc_cache_policy
aps_v_ntc_cifs_perform_log
aps_v_ntc_cifs_server
aps_v_ntc_cifs_session
aps_v_ntc_cifs_share
aps_v_ntc_cluster_peer
aps_v_ntc_disk
aps_v_ntc_disk_path
aps_v_ntc_disk_path_mapping
aps_v_ntc_disk_perform_log
aps_v_ntc_export_policy
aps_v_ntc_export_rule
aps_v_ntc_extn_array_err
aps_v_ntc_extn_array_port
aps_v_ntc_extn_array_port_cn
aps_v_ntc_extn_array_port_st
aps_v_ntc_extn_array_profile
aps_v_ntc_fc_adapter
aps_v_ntc_fc_alias
aps_v_ntc_fc_interface
aps_v_ntc_fcp_lif_perform_log
aps_v_ntc_flexcache
aps_v_ntc_host_info
aps_v_ntc_iscsi_interface
aps_v_ntc_license
aps_v_ntc_login_account
aps_v_ntc_login_role
aps_v_ntc_lun
aps_v_ntc_lun_log
aps_v_ntc_lun_perform_log
aps_v_ntc_map_vserver_aggr
aps_v_ntc_net_interface
aps_v_ntc_nfs_perform_log
aps_v_ntc_nfs_server
aps_v_ntc_node
aps_v_ntc_node_log
aps_v_ntc_option
aps_v_ntc_plex
aps_v_ntc_prc_node_perf_log
aps_v_ntc_processor_perf_log
aps_v_ntc_qtree
aps_v_ntc_quota
aps_v_ntc_quota_error
aps_v_ntc_quota_log
aps_v_ntc_quota_status
aps_v_ntc_quota_user
aps_v_ntc_raid_group
aps_v_ntc_raid_perf_log
aps_v_ntc_smb_perform_log
aps_v_ntc_snapshot
aps_v_ntc_snapshot_log
aps_v_ntc_snapshot_policy
aps_v_ntc_snapshot_schdcron
aps_v_ntc_snapshot_schdintvl
aps_v_ntc_snapshot_schedule
aps_v_ntc_storage_adapter
aps_v_ntc_storage_system
aps_v_ntc_system_prf_log
aps_v_ntc_trgt_prt_perform_log
aps_v_ntc_ucm_adapter
aps_v_ntc_vendor
aps_v_ntc_volume
aps_v_ntc_volume_clone
aps_v_ntc_volume_log
aps_v_ntc_volume_move
aps_v_ntc_volume_perform_log
aps_v_ntc_vserver

aps_v_ntc_aggr_perform_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Aggregate Performance.

Column Name	Data Type	Description
aggregate_name	String	Aggregate name
array_name	String	Array name

cum_interval_sec	Number	Time interval, in seconds, for which the NetApp Cluster-Mode aggregate performance history data was collected.
interval_type	String	Interval type of the processor performance history collection.
log_date	Date	Timestamp at which the performance data was collected.
nbr_of_read_blks_hdd_ps	Number	Number of blocks read per second during a consistency point (CP) count check on the aggregate hard disk drive (HDD) disks.
nbr_of_read_blks_ps	Number	Number of blocks read per second during a consistency point (CP) count check on the aggregate.
nbr_of_read_blks_ssd_ps	Number	Number of blocks read per second during a consistency point (CP) count check on the aggregate solid state drive (SSD) disks.
nbr_of_reads_hdd_ps	Number	Number of reads per second done during a consistency point (CP) count check to the aggregate hard disk drive (HDD) disks.
nbr_of_reads_ps	Number	Number of reads per second done during a consistency point (CP) count check to the aggregate.
nbr_of_reads_ssd_ps	Number	Number of reads per second done during a consistency point (CP) count check to the aggregate solid state drive (SSD) disks.
nbr_of_user_read_blks_hdd_ps	Number	Number of blocks read per second on the aggregate hard disk drive (HDD) disks.
nbr_of_user_read_blks_ps	Number	Number of blocks read per second on the aggregate.
nbr_of_user_read_blks_ssd_ps	Number	Number of blocks read per second on the aggregate solid state drive (SSD) disks.
nbr_of_user_reads_hdd_ps	Number	Number of user reads per second to the aggregate hard disk drive (HDD) disks.
nbr_of_user_reads_ps	Number	Number of user reads per second to the aggregate.
nbr_of_user_reads_ssd_ps	Number	Number of user reads per second to the aggregate solid state drive (SSD) disks.
nbr_of_user_write_blks_hdd_ps	Number	Number of blocks written per second to the aggregate hard disk drive (HDD) disks.
nbr_of_user_write_blks_ps	Number	Number of blocks written per second to the aggregate.
nbr_of_user_write_blks_ssd_ps	Number	Number of blocks written per second to the aggregate solid state drive (SSD) disks.
nbr_of_user_write_hdd_ps	Number	Number of user writes per second to the aggregate hard disk drive (HDD) disks.
nbr_of_user_write_ps	Number	Number of user writes per second to the aggregate.
nbr_of_user_write_ssd_ps	Number	Number of user writes per second to the aggregate solid state drive (SSD) disks.
node_name	String	Node name
ntc_aggregate_id	Number	Name of the aggregate.
ntc_node_id	Number	Node ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
total_transfers_hdd_ps	Number	Total number of transfers per second serviced by the aggregate hard disk drive (HDD) disks.
total_transfers_ps	Number	Total number of transfers per second serviced by the aggregate.
total_transfers_ssd_ps	Number	Total number of transfers per second serviced by the aggregate solid state drive (SSD) disks.

aps_v_ntc_aggregate *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Aggregate.

Column Name	Data Type	Description
aggr_metadata_used_gb	Number	This field represents space used by file system metadata of the aggregate. Range: [0..264-1]
aggr_metadata_used_kb	Number	This field represents space used by file system metadata of the aggregate. Range: [0..264-1]
aggr_used_incl_snap_reserve_gb	Number	Space used by the aggregate (bytes), including the aggregate's snapshot reserve.
aggr_used_incl_snap_reserve_kb	Number	Space used by the aggregate (bytes), including the aggregate's snapshot reserve.
aggregate_name	String	Aggregate name
aggregate_state	String	Aggregate state.
aggregate_type	String	The type of aggregate.
aggregate_uuid	String	Aggregate's universally unique Identifier.
array_name	String	Array name
block_type	String	The indirect block format of the aggregate. A 64_bit value indicates that associated aggregates can be larger than 16TB.
checksum_status	String	Checksum status (not available for a striped aggregate).
checksum_style	String	Checksum style.
creation_date	Date	The date and time the NetApp Cluster-Mode aggregate data was created in the database.
file_system_available_gb	Number	Number of bytes still available in the file system. If the file system is restricted or offline, this value is 0.
file_system_available_kb	Number	Number of bytes still available in the file system. If the file system is restricted or offline, this value is 0.
file_system_reserved_gb	Number	The total disk space (in bytes) that is reserved on the file system.
file_system_reserved_kb	Number	The total disk space (in bytes) that is reserved on the file system.
file_system_total_gb	Number	Total size (in bytes) of the file system. If the file system is restricted or offline, this value is 0.
file_system_total_kb	Number	Total size (in bytes) of the file system. If the file system is restricted or offline, this value is 0.
file_system_used_gb	Number	Number of bytes used in the file system. If the file system is restricted or offline, this value is 0.
file_system_used_kb	Number	Number of bytes used in the file system. If the file system is restricted or offline, this value is 0.
file_system_used_pct	Number	Percentage of disk space currently in use on the referenced file system.
free_space_realloc_state	String	Free space reallocation state of the aggregate.
fs_id	Number	Aggregate's file system identifier.
ha_policy	String	Aggregate's high-availability (HA) policy.

has_local_root	String	Indicates if the aggregate contains the local root volume (not available for a striped aggregate).
has_partner_root	String	Indicates if the aggregate contains the partner's root volume (not available for a striped aggregate).
home_node_id	Number	Name of the node to which this aggregate's disks have been administratively assigned.
home_node_name	String	Home node name
hybrid_aggr_total_cache_gb	Number	Total cache size (in bytes) for a hybrid aggregate.
hybrid_aggr_total_cache_kb	Number	Total cache size (in bytes) for a hybrid aggregate.
inode_used_capacity_pct	Number	The percentage of disk space in use, based on a file (inode) count on the file system.
is_checksum_enabled	String	Indicates if checksum is enabled for the aggregate.
is_hybrid	String	Indicates if the aggregate contains both SSD and non-SSD RAID groups.
is_hybrid_enabled	String	Indicates if the aggregate is eligible to contain both SSD and non-SSD RAID groups.
is_inconsistent	String	Indicates if the aggregate is inconsistent.
is_snaplock	String	Indicates if the aggregate is a SnapLock aggregate.
is_snapshot_auto_create	String	Indicates if auto-snapshot is enabled on the aggregate.
is_snapshot_auto_delete	String	Indicates if snapshot auto-delete is enabled for the aggregate.
last_updated	Date	The date and time the NetApp Cluster-Mode aggregate data was last updated in the database.
max_cache_raid_group_gb	Number	Maximum cache RAID group size of a hybrid aggregate. RAID group size is the maximum number of disks that can be added to a RAID group.
max_cache_raid_group_kb	Number	Maximum cache RAID group size of a hybrid aggregate. RAID group size is the maximum number of disks that can be added to a RAID group.
max_user_file_available	Number	Maximum number of user-visible files allowable on the file system.
max_user_file_possible	Number	Maximum value to which the Max User Files Available value can be increased, on the file system.
max_user_file_used	Number	Number of user-visible files in use on the file system.
max_write_alloc_blocks	Number	Maximum number of blocks used for write allocation. Some sequential read workloads may benefit from increasing this value.
mirror_status	String	Aggregate's mirror status (not available for a striped aggregate).
mount_state	String	Volume's mount state (not available for a striped aggregate).
nbr_of_collective_flex_vol	Number	Number of striped volumes in the aggregate.
nbr_of_disks	Number	Number of disks in the aggregate.
nbr_of_dp_snapmirror_dest_vol	Number	When present, the number of data protection (dp) SnapMirror destination volumes.
nbr_of_flex_vol	Number	Number of volumes in the aggregate.
nbr_of_inode_for_system_file	Number	Number of inodes that can be stored on disk for system files (not user-visible files). This number dynamically increases as additional system files are created.
nbr_of_inode_for_user_file	Number	Number of inodes that can be stored on disk for user-visible files. This number dynamically increases as additional user-visible files are created.
nbr_of_ls_snapmirror_dest_vol	Number	When present, this field indicates the number of load sharing SnapMirror destination volumes.

nbr_of_mv_snapmirror_dest_vol	Number	When present, this field indicates the number of move SnapMirror destination volumes that are created for volume move operations.
nbr_of_not_online_flex_vol	Number	When present, this field indicates the number of volumes that are not online (offline and restricted volumes).
nbr_of_plexes	Number	Number of plexes in the aggregate. This value represents the size of the plex array.
nbr_of_quiesced_flex_vol	Number	When present, this field indicates the number of quiesced online volumes.
nbr_of_striped_flex_vol	Number	Number of striped volumes in the aggregate. These volumes are also reported in the full volume count value.
nbr_of_system_file_used	Number	Number of system (not user-visible) files (inodes) used.
nbr_of_thin_volumes	Number	Number of thin volumes in the aggregate.
nbr_of_user_file_total	Number	Maximum number of user-visible files (inodes) that the file system can hold.
nbr_of_user_file_used	Number	Number of user-visible files (inodes) used in the file system.
nbr_of_volumes	Number	Number of volumes in the aggregate.
node_name	String	Node name
ntc_aggregate_id	Number	Aggregate ID, for internal use by the database.
ntc_node_id	Number	List of node names.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
owner_node_id	Number	Name of the node that owns the aggregate.
owner_node_name	String	Owner node name
raid_lost_write_state	String	State of the RAID Lost Write feature for an aggregate.
raid_size_gb	Number	RAID group size. Not relevant for a striped aggregate.
raid_size_kb	Number	RAID group size. Not relevant for a striped aggregate.
raid_status	String	RAID status.
raid_type	String	RAID type.
snaplock_type	String	The type of the SnapLock aggregate. Possible values: compliance or enterprise.
snapshot_reserve_pct	Number	The percentage of aggregate disk space that has been set aside as reserve for snapshot usage. Default value is 0.
striping_type	String	Specifies the striping information about the aggregate. Possible values: not_striped, striped, and unknown.
vol_used_incl_metadata_gb	Number	Space used by the sum of all data and metadata of all volumes in the aggregate. Range: [0..264-1].
vol_used_incl_metadata_kb	Number	Space used by the sum of all data and metadata of all volumes in the aggregate. Range: [0..264-1].
volume_free_capacity_gb	Number	Sum of the available capacity of all the volumes.
volume_free_capacity_kb	Number	Sum of the available capacity of all the volumes.
volume_total_capacity_gb	Number	Sum of the capacity of all the volumes.
volume_total_capacity_kb	Number	Sum of the capacity of all the volumes.

volume_used_capacity_gb	Number	Sum of the used capacity of all the volumes.
volume_used_capacity_kb	Number	Sum of the used capacity of all the volumes.

aps_v_ntc_aggregate_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Aggregate Log.

Column Name	Data Type	Description
aggr_metadata_used_gb	Number	This field represents space used by file system metadata of the aggregate. Range: [0..264-1]
aggr_metadata_used_kb	Number	This field represents space used by file system metadata of the aggregate. Range: [0..264-1]
aggr_used_incl_snap_reserve_gb	Number	Space used by the aggregate (bytes), including the aggregate's snapshot reserve.
aggr_used_incl_snap_reserve_kb	Number	Space used by the aggregate (bytes), including the aggregate's snapshot reserve.
aggregate_name	String	Aggregate name
array_name	String	Array name
file_system_available_gb	Number	Number of bytes still available in the file system. If the file system is restricted or offline, this value is 0.
file_system_available_kb	Number	Number of bytes still available in the file system. If the file system is restricted or offline, this value is 0.
file_system_reserved_gb	Number	The total disk space (in bytes) that is reserved on the file system.
file_system_reserved_kb	Number	The total disk space (in bytes) that is reserved on the file system.
file_system_total_gb	Number	Total size (in bytes) of the file system. If the file system is restricted or offline, this value is 0.
file_system_total_kb	Number	Total size (in bytes) of the file system. If the file system is restricted or offline, this value is 0.
file_system_used_gb	Number	Number of bytes used in the file system. If the file system is restricted or offline, this value is 0.
file_system_used_kb	Number	Number of bytes used in the file system. If the file system is restricted or offline, this value is 0.
hybrid_aggr_total_cache_gb	Number	Total cache size (in bytes) for a hybrid aggregate.
hybrid_aggr_total_cache_kb	Number	Total cache size (in bytes) for a hybrid aggregate.
inode_used_capacity_pct	Number	The percentage of disk space in use, based on a file (inode) count on the file system.
log_date	Date	The date and time the samples were collected.
max_cache_raid_group_gb	Number	Maximum cache RAID group size of a hybrid aggregate. RAID group size is the maximum number of disks that can be added to a RAID group.
max_cache_raid_group_kb	Number	Maximum cache RAID group size of a hybrid aggregate. RAID group size is the maximum number of disks that can be added to a RAID group.
nbr_of_collective_flex_vol	Number	Number of striped volumes in the aggregate.
nbr_of_disks	Number	Number of disks in the aggregate.
nbr_of_dp_snapmirror_dest_vol	Number	When present, the number of data protection (dp) SnapMirror destination volumes.

nbr_of_flex_vol	Number	Number of volumes in the aggregate.
nbr_of_inode_for_system_file	Number	Number of inodes that can be stored on disk for system files (not user-visible files). This number dynamically increases as additional system files are created.
nbr_of_inode_for_user_file	Number	Number of inodes that can be stored on disk for user-visible files. This number dynamically increases as additional user-visible files are created.
nbr_of_ls_snapmirror_dest_vol	Number	When present, this field indicates the number of load-sharing SnapMirror destination volumes.
nbr_of_mv_snapmirror_dest_vol	Number	When present, this field indicates the number of move SnapMirror destination volumes that are created for volume move operations.
nbr_of_not_online_flex_vol	Number	When present, this field indicates the number of volumes that are not online (offline and restricted volumes).
nbr_of_quiesced_flex_vol	Number	When present, this field indicates the number of quiesced online volumes.
nbr_of_striped_flex_vol	Number	Number of striped volumes in the aggregate. These volumes are also reported in the full volume count value.
nbr_of_system_file_used	Number	Number of system (not user-visible) files (inodes) used.
nbr_of_thin_volumes	Number	Number of thin volumes in the aggregate.
nbr_of_user_file_total	Number	Maximum number of user-visible files (inodes) that the file system can hold.
nbr_of_user_file_used	Number	Number of user-visible files (inodes) used in the file system.
nbr_of_volumes	Number	Number of volumes in the aggregate.
node_name	String	Node name
ntc_aggregate_id	Number	Aggregate ID, for internal use by the database.
ntc_node_id	Number	List of node names.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
raid_size_gb	Number	RAID group size. Not relevant for a striped aggregate.
raid_size_kb	Number	RAID group size. Not relevant for a striped aggregate.
vol_used_incl_metadata_gb	Number	Space used by the sum of all data and metadata of all volumes in the aggregate. Range: [0..264-1].
vol_used_incl_metadata_kb	Number	Space used by the sum of all data and metadata of all volumes in the aggregate. Range: [0..264-1].
volume_free_capacity_gb	Number	Sum of the available capacity of all the volumes.
volume_free_capacity_kb	Number	Sum of the available capacity of all the volumes.
volume_total_capacity_gb	Number	Sum of the capacity of all the volumes.
volume_total_capacity_kb	Number	Sum of the capacity of all the volumes.
volume_used_capacity_gb	Number	Sum of the used capacity of all the volumes.
volume_used_capacity_kb	Number	Sum of the used capacity of all the volumes.

aps_v_ntc_aggregate_relocate *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Aggregate Relocation Status.

Column Name	Data Type	Description
aggregate_name	String	Aggregate name
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster Aggregate Relocation data was created in the database.
destination_node	String	Destination for aggregate relocation.
destination_node_id	Number	Destination Node ID, for internal use by the database.
last_updated	Date	The date and time the NetApp Cluster aggregate relocation data was last updated in the database.
ntc_aggregate_id	Number	Aggregate ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
relocation_status	String	Aggregate's relocation status attributes: non-creatable, non-modifiable.
source_node	String	Name of the source node in which the aggregate resides.
source_node_id	Number	Source Node ID, for internal use by the database.

aps_v_ntc_cache_policy *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Aggregate Performance.

Column Name	Data Type	Description
array_name	String	Array name
cache_policy_name	String	Cache policy name
creation_date	Date	The date and time the NetApp Cluster-Mode cache policy data was created in the database.
deleg_lru_timeout_sec	Number	Timeout for the delegationsleast recently used (LRU) represents the time in seconds since the last use of the delegation, after which a cache considers it unused and returns it to the origin.
is_prefer_local_cache	String	If set to true, data is served from the local cache, otherwise from the local origin.
last_updated	Date	The date and time the NetApp Cluster-Mode cache policy data was last updated in the database.
ntc_cache_policy_id	Number	Cache policy ID, for internal use by the database.

ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	The name of the managing Vserver. Maximum length is 255 characters.
time_to_live_directories_sec	Number	Time To Live (TTL) for directories represents the time, in seconds, that a directory's attributes and data are served from the cache volume before they are verified with the origin volume.
time_to_live_files_sec	Number	The Time To Live (TTL) for files represents the time, in seconds, that a file's attributes and data are served from the cache volume before they are verified with the origin volume.
time_to_live_metafiles_sec	Number	Represents the time, in seconds, that metafile attributes and data are served from the cache volume before they are verified with the origin volume.
time_to_live_other_sec	Number	Relevant for any file that is not in other Time To Live (TTL) categories.
time_to_live_symbolic_sec	Number	Represents the time, in seconds, that symbolic link attributes and data are served from the cache volume before they are verified with the origin volume.
vserver_name	String	Vserver name

aps_v_ntc_cifs_perform_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster CIFS Performance Log.

Column Name	Data Type	Description
array_name	String	Array name
avg_cifs_latency_ms	Number	Average latency for CIFS operations.
cum_interval_sec	Number	Time interval, in seconds, for which the NetApp Cluster-Mode CIFS performance history data was collected.
interval_type	String	Interval type of the CIFS performance history collection.
log_date	Date	Timestamp at which the performance data was collected.
nbr_of_active_searches	Number	Number of active searches over SMB and SMB2.
nbr_of_auth_rejected	Number	Authentication refused after too many requests were made in rapid succession.
nbr_of_cifs_cmds_outstanding	Number	Number of SMB and SMB2 commands in process.
nbr_of_cifs_connect_estd	Number	Number of established SMB and SMB2 sessions.
nbr_of_cifs_connect_shares	Number	Number of SMB and SMB2 share connections.
nbr_of_cifs_connect_total	Number	Number of connections.
nbr_of_cifs_read_ops	Number	Total number of CIFS read operations.
nbr_of_cifs_total_ops	Number	Total number of CIFS operations.
nbr_of_cifs_write_ops	Number	Total number of CIFS write operations.
nbr_of_open_files	Number	Number of open files over SMB and SMB2.
nbr_of_out_change_notification	Number	Number of active change notifications over SMB and SMB2.

nbr_of_signed_sessions	Number	Number of signed SMB and SMB2 session.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Vserver ID, for internal use by the database.
total_cifs_latency_operations	Number	Total observed CIFS operations to be used as a base counter for a CIFS average latency calculation.
vserver_name	String	Vserver name

aps_v_ntc_cifs_server *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster CIFS Server.

Column Name	Data Type	Description
admin_status	String	CIFS Server Administrative Status.
array_name	String	Array name
auth_style	String	The authentication style to be used for CIFS clients connecting to the CIFS server. Possible values: domain, workgroup.
cifs_server_name	String	CIFS server name
creation_date	Date	The date and time the NetApp Cluster-Mode CIFS Server data was created in the database.
default_site	String	The default site used by logical interfaces (LIF) that do not have a site membership.
domain_name	String	Fully qualified domain name (FQDN) of the Windows Active Directory to which this CIFS server belongs.
domain_workgroup	String	The NetBIOS name of the domain or workgroup to which this CIFS server belongs.
last_updated	Date	The date and time the NetApp Cluster-Mode CIFS server data was last updated in the database.
ntc_cifs_server_id	Number	CIFS server ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Vserver containing the CIFS server.
organizational_unit	String	The Organizational Unit (OU) within the Windows Active Directory to which this CIFS server belongs.
vserver_name	String	Vserver name

aps_v_ntc_cifs_session *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster CIFS Session.

Column Name	Data Type	Description

array_name	String	Array name
auth_mechanism	String	The authentication mechanism used to establish the session.
connected_time	String	The time duration since the session was established.
connection_id	Number	The connection that is used to establish the session.
continuously_available	String	The type of continuous available protection provided to the session.
creation_date	Date	The date and time the NetApp Cluster-Mode CIFS Session data was created in the database.
elasped_time	String	The time duration since the session was established.
idle_time	String	The time duration since there was last activity on the session.
last_updated	Date	The date and time the NetApp Cluster-Mode CIFS session data was last updated in the database.
lif_address	String	The data logical interface (LIF) that is used to establish the session.
nbr_of_files	Number	The number of the regular files that are opened under the session.
nbr_of_shares	Number	The number of the CIFS shares that are opened under the session.
nbr_of_speical_files	Number	The number of the special files that are opened under the session.
node_name	String	Node name
ntc_cifs_session_id	Number	CIFS session ID, for internal use by the database.
ntc_node_id	Number	Name of the node on which the session listing is done.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Vserver name on which the session listing is done.
protocol_version	String	CIFS protocol version that is used to establish the session.
session_id	String	Unique identifier for the session.
unix_user_name	String	Name of the UNIX user for which the session is established.
vserver_name	String	Vserver name
windows_user_name	String	Name of the CIFS user for which the session is established.
workstation_ip_address	String	IP address of the workstation from which the session is opened.

aps_v_ntc_cifs_share *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster CIFS Share.

Column Name	Data Type	Description
acl	String	Access Control List (ACL) for the CIFS share. Each list entry is a slash-separated (/) pair of the user or group name and the permissions.

array_name	String	Array name
attribute_cache_lifetime_sec	Number	The lifetime of an entry in the file attribute cache, in seconds.
cifs_server_name	String	CIFS server name
cifs_share_comment	String	Description of the CIFS share. CIFS clients see this description when browsing the Vserver's CIFS shares.
cifs_share_name	String	The CIFS share name is a UTF-8 string.
cifs_share_properties	String	The list of properties for the CIFS share.
creation_date	Date	The date and time the NetApp Cluster-Mode CIFS share data was created in the database.
dir_umask	Number	The value of this field controls the file mode creation mask for the CIFS share in QTrees with UNIX or Mixed security styles.
file_system_path	String	File system path that is shared through this CIFS share. This is the full, user-visible path relative to the Vserver root, and it may cross junction mount points.
file_umask	Number	The value of this field controls the file mode creation mask for the CIFS share in QTrees with UNIX or Mixed security styles.
last_updated	Date	The date and time the NetApp Cluster-Mode CIFS share data was last updated in the database.
ntc_cifs_server_id	Number	NetBIOS name of the CIFS server that owns this share.
ntc_cifs_share_id	Number	CIFS share ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_volume_id	Number	Name of the volume where the root of the CIFS share resides.
ntc_vserver_id	Number	Name of the Vserver.
offline_files_mode	String	Mode of the offline file for the CIFS share. The default value is manual.
symlinks_properties	String	This flag controls the accessibility of the symlinks under the shared directory.
volume_name	String	Volume name
vscan_file_op_profile	String	Set of file-ops to which Vscan On-Access scanning is applicable. The default value is standard.
vserver_name	String	Vserver name

aps_v_ntc_cluster_peer *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Peer.

Column Name	Data Type	Description
active_addresses	String	Active IP addresses of the peer cluster.
array_name	String	Array name
connection_status	String	Status of the peer cluster connection.
creation_date	Date	The date and time the NetApp Cluster-Mode peer data was created in the database.

last_updated	Date	The date and time the NetApp Cluster-Mode peer data was last updated in the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
peer_addresses	String	IPv4 address or host name.
remote_cluster_name	String	The current name of the peer cluster.
serial_nbr	String	Serial number of the peer cluster, assigned at cluster creation.
timeout_sec	Number	Timeout for operations in the peer cluster in seconds.

aps_v_ntc_disk *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Disk.

Column Name	Data Type	Description
active_node_id	Number	Name of the node that is the active RAID controller for this disk, if any. Omitted if unavailable or excluded by desired-attrributes.
active_node_name	String	Active node name
aggregate_name	String	Aggregate name
array_name	String	Array name
carrier_id	String	Unique identifier of the disk carrier.
carrier_serial_nbr	String	Unique serial number of the disk carrier.
checksum_type	String	The checksum type that has been assigned to this disk.
container_type	String	Type of overlying disk container.
copy_destination_name	String	Name of copy destination.
creation_date	Date	The date and time the NetApp disk data was created in the database.
disk_copy_complete_pct	Number	Disk copy completion percentage.
disk_reconstruct_complete_pct	Number	Disk reconstruction completion percentage.
disk_zeroing_complete_pct	Number	Disk zeroing completion percentage.
dr_home_node_id	Number	For Disaster Recovery (DR), this is the name of the home owner of a disk in switchover state when a serious event has occurred.
dr_home_node_name	String	Dr home node name
effective_disk_type	String	Effective disk interface type. Disks can report a different physical disk type, but the same effective disk type.
effective_rpm	Number	Effective rotational speed in revolutions per minute. Disks can report different actual RPM, but have the same effective RPM.
home_node_id	Number	Name of the home node to which this disk is assigned.
home_node_name	String	Home node name

is_disk_failed	String	Indicates if a disk failed or the system marked it for rapid RAID recovery.
is_dynamically_qualified	String	Indicates if the drive was dynamically qualified.
is_failed	String	Indicates that a disk has failed and its ownership cannot be determined.
is_foreign	String	Indicates if an array LUN has been designated as a foreign LUN and cannot be assigned.
is_in_fdr	String	Indicates if the disk has an entry in the failed disk registry.
is_media_scrubbing	String	Indicates if media scrub is currently active for the disk.
is_multi_disk_carrier	String	Indicates if the disk is in a carrier that contains more than one disk.
is_offline	String	Indicates if the disk is offline.
is_reconstructing	String	Indicates if the disk is being reconstructed.
is_replacing	String	Indicates if the disk is being replaced with a specified replacement disk.
is_sparecore	String	Indicates if the disk is a sparecore disk.
is_zeroed	String	Indicates if the disk is in a pre-zeroed state.
is_zeroing	String	Only true if the disk position is pending and the disk is being zeroed.
last_updated	Date	The date and time the NetApp disk data was last updated in the database.
media_scrub_last_done_sec	Number	Number of seconds since a media scrub last completed.
nbr_of_blocks	Number	RAID recorded disk capacity expressed in units of 4096-byte blocks.
nbr_of_bytes_per_sector	Number	Number of bytes per disk sector.
nbr_of_entry_grown_defect_list	Number	Number of entries in the drive's grown defect list.
nbr_of_media_scrubbed	Number	Number of times the media has been scrubbed since the controller last powered on.
nbr_of_right_size_sectors	Number	Number of usable disk sectors that remain after subtracting the right-size adjustment for this disk.
nbr_of_sectors	Number	Total number of disk sectors on the disk.
nbr_of_used_blocks	Number	RAID-recorded size of the file system area on the disk.
node_name	String	Node name
ntc_aggregate_id	Number	Name of the aggregate or traditional volume with which the disk is associated.
ntc_node_id	Number	Node ID, for internal use by the database.
ntc_plex_id	Number	Name of the plex with which the disk is associated.
ntc_raid_group_id	Number	Name of RAID group to which this disk belongs.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
owner_node_id	Number	Name of the node that currently owns this disk.
owner_node_name	String	Owner node name

pdev_id	Number	PDEV ID, for internal use by the database.
pdev_name	String	Pdev name
plex_name	String	Plex name
pool	Number	Pool to which the disk is assigned.
position	String	Position of the disk, relative to its container type.
raid_group_name	String	Raid group name
rated_life_used_pct	Number	Estimate of the percentage of device life that has been used, based on the actual device usage and the manufacturer's prediction of device life.
reason	String	Reason the disk is not in service.
reserved_by_node_nvram_id	Number	Reserved Node NVRAM ID, for internal use by the database.
shelf	String	Disk shelf, if it can be determined.
shelf_bay	String	Disk shelf bay, if it can be determined.
spare_pool_name	String	Name of RAID-managed spare pool with which the disk is associated.
spares_consumed_pct	Number	Percentage of device spare blocks that have been used. Each device has a number of spare blocks that will be used when a data block can no longer be used to store data.
spares_consumed_pct_limit	Number	Spares consumed percentage limit reported by the device.
storage_health_monitor_sec	Number	Number of seconds errors have been tracked by the storage health monitor (SHM).
support_checksum_types	String	Checksum types that this disk is capable of supporting.

aps_v_ntc_disk_path *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Disk Path.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode disk path data was created in the database.
disk_array_name	String	Disk array name
disk_port	String	Disk port associated with this path.
disk_port_name	String	Disk port name associated with this path. .
initiator_io_kbps	Number	Rolling average of kilobytes per second, read and written over this initiator port. Range: [0..264-1]
initiator_io_ops	Number	Rolling average of I/O operations per second, read and written over this initiator port. Range: [0..264-1]
initiator_lun_in_use_cnt	Number	Number of LUNs in the in-use state on this initiator. Range: [0..264-1]

initiator_port_name	String	Initiator port name, for example: 0a.
initiator_port_speed	String	The speed that the initiator port has negotiated with its connected switch, or target port if direct-attached.
initiator_switch_port_name	String	The name of the switch connected to the controller's initiator port, or N/A when using direct attach.
is_preferred_target_port_route	String	For a logical unit that reports asymmetric access, this indicates that a path, regardless of the current access state, routes to a preferred target port group.
last_updated	Date	The date and time the NetApp Disk Path data was last updated in the database.
lun_io_kbps	Number	Rolling average of kilobytes per second read and written to this LUN. Range: [0..264-1]
lun_io_ops	Number	Rolling average of I/O operations per second read and written to this LUN. Range: [0..264-1]
lun_nbr	Number	Logical unit number. Range: [0..65535]
lun_path_use_state	String	Currently supported ONTAP state is INU - In Use.
node_name	String	Node name
ntc_node_id	Number	Controller with the initiator port for this path.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
path_io_kbps	Number	Rolling average of kilobytes per second, read and written to this path. Range: [0..264-1]
path_io_ops	Number	Rolling average of I/O operations per second, read and written to this path. Range: [0..264-1]
path_link_errors	Number	Number of link errors reported on the path. Range: [0..232-1]
path_lun_in_use_cnt	Number	Number of LUNs in the in-use state on this path. Range: [0..264-1]
path_quality_pct	Number	The percentage of the error threshold.
pdev_id	Number	The name of the disk associated with this path.
pdev_name	String	Pdev name
target_io_kbps	Number	Rolling average of kilobytes per second, read and written to this target port. Range: [0..264-1]
target_io_ops	Number	Rolling average of I/O operations per second, read and written to this target port. Range: [0..264-1]
target_lun_in_use_cnt	Number	Number of LUNs in the in-use state on this target port. Range: [0..264-1]
target_port_access_state	String	Failover optimization type.
target_port_group_nbr	Number	Target port group number of the array's target port. Range: [0..264-1]
target_port_wwn	String	Target port wwn
target_port_wwn_id	Number	ID of the world wide port name for the array's target port.
target_switch_port_name	String	Name of the switch port connected to the target array, or UNKNOWN if direct-attached.
target_wwpn	String	World Wide Port Name of target port providing the disk.

aps_v_ntc_disk_path_mapping *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Disk Path mapping.

Column Name	Data Type	Description
array_name	String	Array name
backend_array_port_id	Number	foreign key to backend array port details
backend_array_port_wwn_name	String	World Wide Port Name of backend array port.
creation_date	Date	The date and time the NetApp Cluster-Mode disk path mapping data was created in the database.
fc_port_wwn_id	Number	ID of the world wide port name for the array's FC port.
fc_port_wwn_name	String	World Wide Port Name of FC port.
last_updated	Date	The date and time the NetApp Disk Path mapping data was last updated in the database.
lun_nbr	Number	Logical unit number. Range: [0..65535]
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
pdev_id	Number	The name of the disk associated with this path.
pdev_name	String	Pdev name

aps_v_ntc_disk_perform_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Disk Performance Log.

Column Name	Data Type	Description
array_name	String	Array name
blks_skipped_ops	Number	Number of blocks skipped in skip-mask write operations per second.
cp_read_blks_avg	Number	Average number of blocks transferred in each consistency point (CP) read operation during a CP check.
cp_read_blks_ps	Number	Number of blocks transferred for consistency point read operations per second.
cp_read_latency_ms	Number	Average latency per block in microseconds for consistency point read operations.
cp_read_ps	Number	Number of disk read operations initiated each second for consistency point processing.
cum_interval_sec	Number	Time interval, in seconds, for which the NetApp Cluster-Mode disk performance history data was collected.
disk_busy_pct	Number	Percentage of time there was at least one outstanding request to the disk.

disk_busy_sec	Number	Time base for the disk-busy calculation.
disk_capacity_gb	Number	Disk capacity. Values are stored as KiB in the database and rendered according to your user profile preferences.
disk_capacity_kb	Number	Disk capacity. Values are stored as KiB in the database and rendered according to your user profile preferences.
guar_read_blks_avg	Number	Average number of blocks transferred in each guaranteed read operation.
guar_read_blks_ps	Number	Number of blocks transferred for guaranteed read operations per second.
guar_read_latency_ms	Number	Average latency per block in microseconds for guaranteed read operations.
guar_read_ps	Number	Number of disk read operations initiated each second for RAID reconstruct or scrubbing activities.
guar_write_blks_avg	Number	Average number of blocks transferred in each guaranteed write operation.
guar_write_blks_ps	Number	Number of blocks transferred for guaranteed write operations per second.
guar_write_latency_ms	Number	Average latency per block in microseconds for guaranteed write operations.
guar_write_ps	Number	Number of write read operations initiated each second for RAID reconstruct or scrubbing activities.
interval_type	String	Interval type of the disk performance history collection.
log_date	Date	Timestamp at which the performance data was collected.
nbr_of_disk_io_ps	Number	Total number of disk operations per second involving initiated data transfer.
node_name	String	Node name
ntc_node_id	Number	Node ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
pdev_id	Number	On Data ONTAP cluster-mode systems, this is the display name of the disk. On Data ONTAP 7-mode systems, this is the universally unique identifier (UUID) of the disk.
pdev_name	String	Pdev name
user_read_blks_avg	Number	Average number of blocks transferred in each user read operation.
user_read_blks_ps	Number	Number of blocks transferred per second for user read operations.
user_read_latency_ms	Number	Average latency per block in microseconds for user read operations.
user_read_ps	Number	Number of disk read operations initiated each second for retrieving data or metadata associated with user requests.
user_skip_mask_write_ps	Number	Number of disk write IOs that were executed as part of a skip-mask write.
user_skip_writes_ps	Number	Number of disk skip-write operations initiated each second for storing data or metadata associated with user requests.
user_write_blks_avg	Number	Average number of blocks transferred in each user write operation.
user_write_blks_ps	Number	Number of blocks transferred per second for user write operations.
user_write_latency_ms	Number	Average latency per block in microseconds for user write operations.
user_write_ps	Number	Number of disk write operations initiated each second for storing data or metadata associated with user requests.

aps_v_ntc_export_policy *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Export Policy.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode export policy data was created in the database.
export_policy_name	String	Export policy name
last_updated	Date	The date and time the NetApp Cluster-Mode export policy data was last updated in the database.
ntc_export_policy_id	Number	Export policy ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Vserver name.
policy_id	Number	Export policy ID.
vserver_name	String	Vserver name

aps_v_ntc_export_rule *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Export Rule.

Column Name	Data Type	Description
anonymous_user_id	String	User name or ID to which anonymous users are mapped. Default value is 65534.
array_name	String	Array name
client_match	String	The clients specified are enforced with this export rule.
creation_date	Date	The date and time the NetApp Cluster-Mode export rule data was created in the database.
export_chown_mode	String	Change ownership mode.
export_ntfs_unix_security_ops	String	Ignore/Fail Unix security operations on NTFS (new technology file system) volumes.
export_policy_name	String	Export policy name
is_allow_device_enabled	String	Indicates if the NFS server will allow creation of devices.
is_allow_set_uid_enabled	String	Indicates if the NFS server will honor SetUID bits in the SETATTR operation.
last_updated	Date	The date and time the NetApp Cluster-Mode export rule was last updated in the database.

ntc_export_policy_id	Number	Export policy name.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Vserver name for the export rule.
protocol	String	Client access protocol.
ro_rule	String	Rule for read-only access.
rule_index	Number	Export rule index.
rw_rule	String	Rule for read-write access.
super_user_security	String	Security properties for the super user.
vserver_name	String	Vserver name

aps_v_ntc_extn_array_err *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster External Array Errors.

Column Name	Data Type	Description
array_name	String	Array name
array_profile_name	String	Array profile Name
creation_date	Date	The date and time the NetApp Cluster-Mode external array error data was created in the database.
error_id	Number	A unique ID for each error returned. ID is unique on a per API call basis only.
error_text	String	A description of the error being reported.
error_type	String	Enum describing type of error.
last_updated	Date	The date and time the NetApp Cluster-Mode external array error data was last updated in the database.
ntc_extn_array_profile_id	Number	ID of the external array name in the array record.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.

aps_v_ntc_extn_array_port *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster External Array Ports.

Column Name	Data Type	Description
array_name	String	Array name

array_profile_name	String	Array profile Name
connection_type	String	Type of connection between the controller and the back-end storage.
creation_date	Date	The date and time the NetApp Cluster-Mode external array port statistics data was created in the database.
last_updated	Date	The date and time the NetApp Cluster-Mode external array port statistics data was last updated in the database.
max_queue_depth	Number	Target port queue depth for this target port.
ntc_extn_array_profile_id	Number	ID of the external array name in the array record.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
switch_port	String	For fabric-attached connections, the switch port to which the array target port is connected. N/A for a direct-attached connection.
target_node_wwn_id	Number	ID of the world wide node name for the array's target port.
target_node_wwn_name	String	Target node WWN name
target_port_speed	String	Speed that the target port has negotiated with its connected switch port or initiator port, if direct-attached.
target_port_wwn_id	Number	ID of the world wide port name for the array's target port.
target_port_wwn_name	String	Target port wwn name

aps_v_ntc_extn_array_port_cn *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster External Array Port Config.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode external array port Connectivity data was created in the database.
device_type	String	Type of LUN device. Describes the type of LUN device or tape library.
extn_array_profile_name	String	External array profile name
group_nbr	Number	A unique number associated with a set of array LUNs that share the exact same pathing/connectivity information.
initiator_port	String	Initiator port name.
last_updated	Date	The date and time the NetApp Cluster-Mode external array port Connectivity data was last updated in the database.
nbr_of_luns	Number	The number of array LUNs assigned to this group.
ntc_extn_array_profile_id	Number	ID of the external array name in the array record.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
switch_port_to_hba	String	Name of the switch port connected to the HBA (controller's initiator port), or UNKNOWN if direct-attached.
switch_port_to_target_array	String	Name of the switch port connected to target array, or UNKNOWN if direct attached.

target_port_wwn_id	Number	ID of the world wide port name for the array's target port.
target_prot_wwn_name	String	Target port WWN name

aps_v_ntc_extn_array_port_st *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster External Array Port Statistics.

Column Name	Data Type	Description
array_name	String	Array name
avg_latency_ms	Number	The average latency for I/O operations performed by this controller on this target port.
avg_pending	Number	An average over time of how many commands are in the outstanding queue.
avg_waiting	Number	An average over time of how many commands are in the waiting queue.
busy_pct	Number	The percentage of time I/Os are outstanding on the port.
creation_date	Date	The date and time the NetApp Cluster-Mode external array port data was created in the database.
extn_array_profile_name	String	External array profile name
initiator_port_name	String	Initiator port name, for example, 0a.
last_updated	Date	The date and time the NetApp Cluster-Mode external array port data was last updated in the database.
max_pending	Number	The largest number of commands observed in the outstanding queue.
max_waiting	Number	The largest number of commands observed in the waiting queue.
nbr_of_lun_in_use	Number	Number of disks in the IN-USE state on this target port.
node_name	String	Node name
ntc_extn_array_profile_id	Number	ID of the external array name in the array record.
ntc_node_id	Number	Node ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
path_link_errors	Number	Number of link errors reported on the path.
target_port_wwn_id	Number	ID of the world wide port name for the array's target port.
target_prot_wwn_name	String	Target port WWN name
total_io_kbps	Number	Rolling average of kilobits per second read and written to this target port.
total_io_ops	Number	Rolling average of I/O operations per second read and written to this target port.
waiting_pct	Number	The percentage of time there are I/Os waiting on the waiting queue on the target port.

aps_v_ntc_extn_array_profile *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster External Array Profile.

Column Name	Data Type	Description
affinity	String	Describes the affinity model supported by the array.
array_id	Number	Primary key (system defined) for the array record.
array_model	String	The model name of the array.
array_name	String	Array name
array_profile_name	String	Array profile Name
creation_date	Date	The date and time the NetApp Cluster-Mode external array profile data was created in the database.
firmware_revision	String	The firmware revision of the array.
ip_address	String	IP address/node name of the array's SNMP management port.
is_upgrade_pending	String	The is-upgrade-pending status for the array.
last_updated	Date	The date and time the NetApp Cluster-Mode external array profile data was last updated in the database.
lun_queue_depth	Number	The default queue depths assigned to array LUNs from this array.
max_queue_depth	Number	The target port queue depth for all target ports on this array.
ntc_extn_array_profile_id	Number	ID of the external array name in the array record.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
optimization_policy	String	Describes the I/O optimization policy used by this array.
options	String	A comma-separated list of name-value pairs of array-specific settings.
port_failover_type	String	The pathing failover supported by the array, either ACTIVE-ACTIVE or ACTIVE-PASSIVE.
prefix	String	A unique user-supplied 5-character code used to refer to this array and used in naming the array's LUNs.
serial_nbr	String	The serial number of the array.
vendor_name	String	The name of the array's vendor.

aps_v_ntc_fc_adapter *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster FC Adapter.

Column Name	Data Type	Description
adapter_name	String	The slot name of the fibre channel (FC) adapter.
array_name	String	Array name
cache_line_size	Number	Cache line size of adapter. verbose only.
connection_established	String	Type of connection established: ptp or loop.
creation_date	Date	The date and time the NetApp Cluster adapter data was created in the database.
data_link_rate_gbit	Number	Data link rate in Gbits/sec.
fabric_name	String	The name of the fibre channel (FC) fabric to which this adapter is connected. Only returned if the adapter is logged in to the fabric.
fc_adapter_state	String	Status of the adapter.
firmware_revision	String	Firmware revision of the fibre channel (FC) adapter.
flash_preload_revision	String	Flash preload revision for fibre channel (FC) adapter.
hardware_revision	String	Hardware revision of the fibre channel (FC) adapter.
info_name	String	Informational name given to the adapter.
is_external_gbic_enabled	String	true = gigabit interface converter (GBIC) enabled.
is_fabric_established	String	true = fabric is established to this adapter.
is_sram_parity_enabled	String	true = Static random-access memory (SRAM) parity is enabled.
last_updated	Date	The date and time the NetApp Cluster-Mode adapter data was last updated in the database.
max_speed_gbps	Number	The maximum speed of the adapter, in Gbits/sec.
media_type	String	Media configured for this adapter: ptp, loop, or auto.
mpi_firmware_revision	String	Message passing interface (MPI) firmware revision for the adapter.
node_name	String	Node name
node_wwn_id	Number	Fibre channel protocol (FCP) World Wide Node Name (WWNN) of the adapter.
node_wwn_name	String	Node wwn name
ntc_fc_adapter_id	Number	Adapter ID, for internal use by the database.
ntc_node_id	Number	The name of the node where the adapter is installed.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
packet_size	Number	Fibre channel (FC) packet size of adapter.
pci_bus_width_bit	Number	Peripheral component interconnect (PCI) bus width in bits.
pci_clock_speed_mhz	Number	Peripheral component interconnect (PCI) clock speed in MHz..
physical_data_link_rate_gbit	Number	Physical Data Link Rate in Gbits/sec.

physical_firmware_revision	String	Physical (PHY) firmware revision of adapter.
physical_link_state	String	Physical Status of the adapter.
physical_protocol	String	The physical protocol of the adapter.
port_address	Number	Host port address of adapter.
port_name	String	Port name
speed	String	Speed configured for this adapter.
switch_port	String	Switch and port to which this adapter is connected.
vlan_id	Number	Assigned fibre channel (FC) virtual LAN ID.

aps_v_ntc_fc_alias *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster FC Alias.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode Vserver data was created in the database.
last_updated	Date	The date and time the NetApp Cluster-Mode volume move data was last updated in the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Vserver containing the alias.
port_alias_name	String	The 32-character alias for a given fibre channel protocol (FCP) world wide port name (WWPN).
port_wwn_id	Number	The fibre channel protocol (FCP) world wide port name (WWPN) for which the alias is given.
port_wwn_name	String	Port WWN name
vserver_name	String	Vserver name

aps_v_ntc_fc_interface *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster FC Interface.

Column Name	Data Type	Description
array_name	String	Array name
array_port_id	Number	Name of the port.

creation_date	Date	The date and time the NetApp Cluster-Mode interface data was created in the database.
current_port	String	Fibre channel (FC) adapter currently hosting the logical interface (LIF) .
interface_name	String	Interface name
last_updated	Date	The date and time the NetApp Cluster-Mode interface data was last updated in the database.
node_name	String	Node name
node_wwn_id	Number	World Wide Node Name (WWNN) of the logical interface (LIF) .
node_wwn_name	String	Node wwn name
ntc_net_interface_id	Number	Name of the logical interface (LIF) .
ntc_node_id	Number	Node currently hosting the logical interface (LIF) .
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Vserver hosting the logical interface (LIF) .
port_address	String	Host port address of the logical interface (LIF) .
port_name	String	Port name
port_wwn_id	Number	World Wide Port Name (WWPN) of the logical interface (LIF) .
port_wwn_name	String	Port WWN name
relative_port_id	Number	The SCSI relative target port identifier of the logical interface (LIF) .
vserver_name	String	Vserver name

aps_v_ntc_fcp_lif_perform_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster FCP LIF Performance Log.

Column Name	Data Type	Description
adapter_name	String	FC Adapter name
array_name	String	Array name
avg_other_latency_ms	Number	Average latency for operations other than read and write.
avg_read_latency_ms	Number	Average latency for read operations.
avg_total_latency_ms	Number	Average latency for fibre channel protocol (FCP) operations.
avg_write_latency_ms	Number	Average latency for write operations.
cum_interval_sec	Number	Time interval, in seconds, for which the NetApp Cluster-Mode logical interface (LIF) performance history data was collected.
interval_type	String	Interval type of the logical interface (LIF) performance history collection.

log_date	Date	Timestamp at which the performance data was collected.
ntc_fc_adapter_id	Number	Adapter ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
other_ops	Number	Number of operations that are not read or write.
read_bps	Number	Read rate in bits per second.
read_ops	Number	Number of read operations.
total_ops	Number	Total number of operations.
write_bps	Number	Write rate in bits per second.
write_ops	Number	Number of write operations.

aps_v_ntc_flexcache *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Flexcache.

Column Name	Data Type	Description
array_name	String	Array name
cache_aggregate_id	Number	Cache aggregate name.
cache_aggregate_name	String	Cache aggregate name
cache_available_gb	Number	Cache available size.
cache_available_kb	Number	Cache available size.
cache_state	String	Cache volume state.
cache_total_gb	Number	Cache volume size.
cache_total_kb	Number	Cache volume size.
cache_used_pct	Number	Cache used percentage.
cache_volume_id	Number	Cache volume name.
cache_volume_name	String	Cache volume name
connection_status	String	Status of the connection between the cache and the origin volumes.
creation_date	Date	The date and time the NetApp Cluster-Mode FlexCache data was created in the database.
last_updated	Date	The date and time the NetApp Cluster-Mode FlexCache data was last updated in the database.
ntc_flexcache_id	Number	FlexCache ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.

ntc_vserver_id	Number	The name of the Vserver where the created FlexCache is located.
origin_aggregate_id	Number	Origin aggregate name.
origin_aggregate_name	String	Origin aggregate name
origin_state	String	Origin volume state.
origin_volume_id	Number	Origin volume name that contains the authoritative data.
origin_volume_name	String	Origin volume name
vserver_name	String	Vserver name

aps_v_ntc_host_info *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Host Info.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode host info data was created in the database.
host_id	Number	Canonical hostname in a simple string or in a fully qualified domain name (FQDN).
last_updated	Date	The date and time the NetApp Cluster-Mode host info was last updated in the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Identifier of the Vserver.
vserver_name	String	Vserver name

aps_v_ntc_iscsi_interface *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster ISCSI Interface.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode iSCSI interface data was created in the database.
current_port	String	Name of the physical ethernet interface currently hosting the logical interface (LIF) .
interface_name	String	Interface name
ip_address	String	iSCSI target portal IP address.

ip_port	Number	iSCSI target portal TCP port.
is_interface_enabled	String	Indicates if the interface is enabled for iSCSI.
last_updated	Date	The date and time the NetApp Cluster-Mode iSCSI interface data was last updated in the database.
node_name	String	Node name
ntc_net_interface_id	Number	Net Interface ID, for internal use by the database.
ntc_node_id	Number	Name of the node currently hosting the logical interface (LIF) .
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_tp_group_id	Number	Name of target portal group associate with the interface.
ntc_vserver_id	Number	The name of the vserver containing this iSCSI data logical interface (LIF) .
relative_port_id	Number	The SCSI relative target port identifier of the logical interface (LIF) .
tp_group_name	String	TP group name
vserver_name	String	Vserver name

aps_v_ntc_license *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster License.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode license data was created in the database.
customer_id	String	Customer Identification, used to track site licenses issued to enterprise-level agreement customers.
description	String	Description of the licensed package.
expiration_time	Date	License expiration time.
is_legacy	String	A legacy license indicates that the license was installed prior to this release.
last_updated	Date	The date and time the NetApp Cluster-Mode license data was last updated in the database.
license_type	String	License type: license, site, or demo.
licensed_package	String	Name of the licensed package.
node_name	String	Node name
ntc_license_id	Number	License ID, for internal use by the database.
ntc_node_id	Number	Node ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.

owner	String	Controller or cluster that owns the serial number for the license.
serial_nbr	String	Serial number of the controller or cluster.

aps_v_ntc_login_account *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Login Account.

Column Name	Data Type	Description
account_comment	String	Comments for the user account.
application	String	Name of the application.
array_name	String	Array name
authentication_method	String	Authentication method for the application.
creation_date	Date	The date and time the NetApp Cluster-Mode login account data was created in the database.
is_account_locked	String	Account locked.
last_updated	Date	The date and time the NetApp Cluster-Mode login account data was last updated in the database.
ntc_login_account_id	Number	Login account ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Name of the Vserver.
role_name	String	Name of the role.
user_name	String	Name of the user.
vserver_name	String	Vserver name

aps_v_ntc_login_role *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Login Role.

Column Name	Data Type	Description
access_level	String	Access level for the role.
array_name	String	Array name
command_directory_name	String	The command or command directory to which the role has access.
creation_date	Date	The date and time the NetApp Cluster-Mode login rule data was created in the database.

last_updated	Date	The date and time the NetApp Cluster-Mode login role data was last updated in the database.
ntc_login_role_id	Number	Login role ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Name of the Vserver.
role_name	String	Name of the role.
role_query	String	A query for the role.
vserver_name	String	Vserver name

aps_v_ntc_lun *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster LUN.

Column Name	Data Type	Description
alignment	String	Alignment of the LUN.
array_name	String	Array name
backing_snapshot	String	Path to the backing snapshot file for a LUN.
block_size_byte	Number	Disk block size of the LUN in bytes.
clone_backing_snapshot	String	The clone operation creates a temporary snapshot that allows updates to continue while the clone operation progresses.
creation_date	Date	The date and time the NetApp Cluster-Mode logical unit data was created in the database.
device_binary_id	String	SCSI peripheral device identifying Information.
device_text_id	String	SCSI peripheral device text ID.
is_clone	String	Indicates if the LUN is a clone.
is_clone_auto_delete_enabled	String	Indicates if the LUN clone is allowed to be deleted by autodelete in try/disrupt mode.
is_mapped	String	Indicates if the LUN is mapped to any initiators.
is_online	String	State of the LUN.
is_readonly	String	Indicates if the LUN is read-only or read/write.
is_restore_inaccessible	String	Indicates if the LUN is fenced for I/O and management operations due to an ongoing restore operation.
is_space_alloc_enabled	String	Indicates if the LUN has space allocation enabled.
is_space_reservation_enabled	String	Indicates if the LUN has space reservation enabled.
is_staging	String	Indicates if the LUN is a temporary staging LUN.
last_updated	Date	The date and time the NetApp Cluster-Mode logical unit data was last updated in the database.

logical_unit_id	Number	Logical Unit ID, for internal use by the database.
logical_unit_name	String	Logical unit name
lun_class	String	The class of the LUN.
lun_comment	String	User-specified comment for the LUN.
lun_creation_timestamp	Date	The time this LUN was created, in seconds since January 1, 1970.
lun_path	String	Path of the LUN.
multi_protocol_type	String	OS type of the LUN.
ntc_qtree_id	Number	Name of the QTree containing the LUN.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_volume_id	Number	Name of the volume containing the LUN.
ntc_vserver_id	Number	Vserver containing the LUN.
prefix_size_gb	Number	Size of the prefix stream for this LUN in bytes.
prefix_size_kb	Number	Size of the prefix stream for this LUN in bytes.
qos_policy_group	String	The QoS policy group defines measurable Service Level Objectives (SLOs) that apply to the storage objects associated with the policy group.
qtree_name	String	Qtree name
serial_nbr	String	Serial number of the LUN.
share_state	String	Share state of the LUN.
suffix_size_gb	Number	Size of the suffix stream for the LUN in bytes. This value is determined by the OS type of the LUN at creation time.
suffix_size_kb	Number	Size of the suffix stream for the LUN in bytes. This value is determined by the OS type of the LUN at creation time.
used_gb	Number	Number of bytes used by this LUN.
used_kb	Number	Number of bytes used by this LUN.
volume_name	String	Volume name
vserver_name	String	Vserver name

aps_v_ntc_lun_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster LUN Log.

Column Name	Data Type	Description
array_name	String	Array name
log_date	Date	The date and time the LUN history samples were collected. For NetApp Cluster, this is set to the start of the performance collection for all samples.

logical_unit_id	Number	Universally unique identifier (UUID) of the LUN.
logical_unit_name	String	Logical unit name
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
prefix_size_gb	Number	Size of the prefix stream for this LUN in bytes.
prefix_size_kb	Number	Size of the prefix stream for this LUN in bytes.
suffix_size_gb	Number	Size of the suffix stream for the LUN in bytes. This value is determined by the OS type of the LUN at creation time.
suffix_size_kb	Number	Size of the suffix stream for the LUN in bytes. This value is determined by the OS type of the LUN at creation time.
used_gb	Number	Number of bytes used by this LUN.
used_kb	Number	Number of bytes used by this LUN.

aps_v_ntc_lun_perform_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster LUN Performance Log.

Column Name	Data Type	Description
array_name	String	Array name
avg_other_latency_ms	Number	Average other operations latency in milliseconds for all operations on the LUN.
avg_read_latency_ms	Number	Average read latency in milliseconds for all operations on the LUN.
avg_total_latency_ms	Number	Average latency in milliseconds for all operations on the LUN.
avg_write_latency_ms	Number	Average write latency in milliseconds for all operations on the LUN.
cum_interval_sec	Number	Time interval, in seconds, for which the NetApp Cluster-Mode LUN performance history data was collected.
interval_type	String	Interval type of the LUN performance history collection.
log_date	Date	Timestamp at which the performance data was collected.
logical_unit_id	Number	Aggregated logical unit path.
logical_unit_name	String	Logical unit name
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Vserver ID, for internal use by the database.
other_ops	Number	Number of other operations.
queue_full_resp_ps	Number	Queue full responses.
read_bps	Number	Read rate in bits per second.
read_ops	Number	Number of read operations.

total_ops	Number	Total number of operations on the LUN.
vserver_name	String	Vserver name
write_bps	Number	Write rate in bits per second.
write_ops	Number	Number of write operations.

aps_v_ntc_map_vserver_aggr *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Map Vserver Aggregate.

Column Name	Data Type	Description
aggr_available_gb	Number	Assigned aggregate available size.
aggr_available_kb	Number	Assigned aggregate available size.
aggregate_name	String	Aggregate name
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode Vserver aggregate mapping data was created in the database.
last_updated	Date	The date and time the NetApp Cluster-Mode Vserver aggregate mapping data was last updated in the database.
ntc_aggregate_id	Number	Assigned aggregate name.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Vserver ID, for internal use by the database.
vserver_name	String	Vserver name

aps_v_ntc_net_interface *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Net Interface.

Column Name	Data Type	Description
address_family	String	Address family
admin_status	String	Administrative status of the logical interface (LIF).
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode network interface data was created in the database.
current_node_id	Number	The node on which the logical interface (LIF) currently resides.

current_node_name	String	Current node name
current_port	String	The port on which the logical interface (LIF) currently resides.
data_protocol	String	List of data protocols configured on the logical interface (LIF) . By default, these are nfs, cifs and fcache.
dns_domain_name	String	Unique fully qualified logical interface (LIF) domain name of the DNS zone of the LIF.
failover_group_name	String	Failover group name.
failover_policy	String	Failover policy for the logical interface (LIF). For FCP and iSCSI LIFs, the only failover policy is: disabled; for NFS, CIFs and fcache LIFs, the default policy is: nextavail.
firewall_policy	String	Firewall policy for the logical interface (LIF).
home_node_id	Number	Home node of the logical interface (LIF).
home_node_name	String	Home node name
home_port	String	Home port of the logical interface (LIF).
interface_name	String	Interface name
is_auto_revert	String	Indicates if the data logical interface (LIF) will revert to its home node under certain circumstances such as startup, and load-balancing migration is disabled automatically.
is_home	String	Indicates if the logical interface (LIF) is currently on the home node and home port.
is_ipv4_link_local	String	Indicates if an interface is automatically configured with an IPv4 address.
is_listen_for_dns_query	String	Indicates if the IP address will listen for DNS queries for the specified DNS zone.
last_updated	Date	The date and time the NetApp Cluster-Mode network interface data was last updated in the database.
lif_ip_address	String	IP address of the logical interface (LIF).
lif_role	String	Role of the logical interface (LIF).
lif_uuid	String	Logical interface (LIF) universally unique identifier, available in Data ONTAP 8.2 and later.
nbr_of_netmask_bits	Number	Number of bits in the netmask.
net_interface_comment	String	Comment that descripts the network interface.
netmask	String	Netmask for the logical interface (LIF).
ntc_net_interface_id	Number	Name of the network interface hosting the connection.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Vserver name.
operational_status	String	Operational status of the logical interface (LIF).
routing_group_name	String	Routing group that enables multiple logical interfaces to share a set of routing table entries.
use_failover_group	String	Indicates if failover rules are automatically created, manually created by the administrator, or disabled.
vserver_name	String	Vserver name

aps_v_ntc_nfs_perform_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster NFS performance Log.

Column Name	Data Type	Description
array_name	String	Array name
avg_read_latency_ms	Number	Average latency of read procedure requests.
avg_read_symlink_latency_ms	Number	Average latency of Read Sym Link procedure requests.
avg_readdir_latency_ms	Number	Average latency of read directory procedure requests.
avg_write_latency_ms	Number	Average latency of write procedure requests.
cum_interval_sec	Number	Time interval, in seconds, for which the NetApp Cluster-Mode NFS performance history data was collected.
interval_type	String	Interval type of the NFS performance history collection.
log_date	Date	Timestamp at which the performance data was collected.
nbr_of_read_err	Number	Number of erroneous read procedure requests.
nbr_of_read_success	Number	Number of successful read procedure requests.
nbr_of_read_symlink_err	Number	Number of erroneous Read Sym Link procedure requests.
nbr_of_read_total	Number	Total number read of procedure requests.
nbr_of_readdir_err	Number	Number of erroneous read directory procedure requests.
nbr_of_readdir_success	Number	Number of successful read directory plus procedure requests.
nbr_of_readdir_total	Number	Total number of read directory plus procedure requests. Counter for NFSv3.
nbr_of_symlink_success	Number	Number of successful Read Sym Link procedure requests.
nbr_of_symlink_total	Number	Total number of Read Sym Link procedure requests.
nbr_of_write_err	Number	Number of erroneous write procedure requests.
nbr_of_write_success	Number	Number of successful write procedure requests.
nbr_of_write_total	Number	Total number of write procedure requests.
nfs_type	String	Possible values: NFSv3, NFSv4, NFSv41.
nfsv3_ops	Number	Total number of NFSv3 procedure requests per second.
nfsv41_ops	Number	Total number of NFSv4.1 operations per second.
nfsv4_ops	Number	Total number of NFSv4 procedures per second.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.

ntc_vserver_id	Number	Vserver ID, for internal use by the database.
read_pct	Number	Percentage of read procedure requests.
read_symlink_pct	Number	Percentage of Read Sym Link procedure requests for NFSv3.
readdir_pct	Number	Percentage of read directory procedure requests.
v3_avg_readdirplus_latency_ms	Number	Average latency of read directory plus procedure requests.
v3_nbr_of_readdir_postop_err	Number	Number of failed post-op read directory procedures.
v3_nbr_of_readdirpl_postop_err	Number	Number of failed post-op read directory plus procedures.
v3_nbr_of_readdirplus_err	Number	Number of erroneous read directory plus procedure requests.
v3_nbr_of_readdirplus_success	Number	Number of successful read directory plus procedure requests.
v3_nbr_of_readdirplus_total	Number	Total number of read directory plus procedure requests.
v3_readdirplus_pct	Number	Percentage of read directory plus procedure requests.
v4x_avg_readlink_latency_ms	Number	Average latency of NFSv4.1 Read Link operations.
v4x_nbr_of_readlink_err	Number	The number of failed NFSv4.1 Read Link operations.
v4x_nbr_of_readlink_success	Number	The number of successful NFSv4.1 Read Link operations.
v4x_nbr_of_readlink_total	Number	Total number of NFSv4.1 Read Link operations.
v4x_readlink_pct	Number	Percentage of NFSv4.1 Read Link operations.
vserver_name	String	Vserver name
write_pct	Number	Percentage of write procedure requests.

aps_v_ntc_nfs_server *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster NFS Server.

Column Name	Data Type	Description
array_name	String	Array name
chown_mode	String	Vserver change ownership mode.
creation_date	Date	The date and time the NetApp Cluster NFS server data was created in the database.
default_windows_group	String	The default windows group for CIFS access.
default_windows_user	String	The default windows user for CIFS access.
is_ejukebox_enabled	String	Indicates if the NFS server will send the EJUKEBOX error on server delays.
is_mount_root_only_enabled	String	Indicates if the Vserver allows MOUNT protocol calls only from privileged ports (port numbers less than 1024).

is_nfs_access_enabled	String	Indicates if NFS server access is enabled.
is_nfs_root_only_enabled	String	Indicates if the Vserver allows NFS protocol calls only from privileged ports (port numbers less than 1024).
is_nfs_v2_enabled	String	Indicates if NFSv2 is enabled. Starting with Data ONTAP 8.2, NFSv2 is no longer supported.
is_nfs_v3_connect_drop_enabled	String	Indicates if the connection is dropped when an NFSv3 request is dropped.
is_nfs_v3_enabled	String	Indicates if NFSv3 is enabled.
is_nfs_v3_fsid_change_enabled	String	Indicates if NFSv3 clients see a change in the file system ID (FSID) as they traverse file systems.
is_nfs_v40_acl_enabled	String	Indicates if the NFSv4.0 access control list (ACL) feature is enabled.
is_nfs_v40_enabled	String	Indicates if NFS version 4.0 is enabled.
is_nfs_v40_migration_enabled	String	Indicates if the NFSv4.0 migration feature is enabled.
is_nfs_v40_read_deleg_enabled	String	Indicates if the NFSv4.0 read delegation feature is enabled.
is_nfs_v40_referrals_enabled	String	Indicates if the NFSv4.0 referrals feature is enabled.
is_nfs_v40_req_open_confirm	String	Indicates if the server will require an OPEN_CONFIRM operation for all NFSv4.0 clients.
is_nfs_v40_write_deleg_enabled	String	Indicates if the NFSv4.0 write delegation feature is enabled.
is_nfs_v41_acl_enabled	String	Indicates if the NFSv4.0 access control list (ACL) feature is enabled.
is_nfs_v41_acl_preserv_enabled	String	Indicates if the NFSv4 server will preserve and modify the access control list (ACL) when chmod is done.
is_nfs_v41_enabled	String	Indicates if NFSv4.1 is enabled.
is_nfs_v41_migration_enabled	String	Indicates if the NFSv4.1 migration feature is enabled.
is_nfs_v41_pnfs_enabled	String	Indicates if Parallel NFS support for NFS version 4.1 is enabled.
is_nfs_v41_pnfs_svol_enabled	String	Indicates if striped volume support for Parallel NFS is enabled.
is_nfs_v41_read_deleg_enabled	String	Indicates if the NFSv4.1 read delegation feature is enabled.
is_nfs_v41_referrals_enabled	String	Indicates if the NFSv4.1 referrals feature is enabled.
is_nfs_v41_state_prot_enabled	String	Indicates if the NFSv4.1 state protection feature is enabled.
is_nfs_v41_write_deleg_enabled	String	Indicates if the NFSv4.1 write delegation feature is enabled.
is_nfs_v4_fsid_change_enabled	String	Indicates if clients see a change in the file system ID (FSID) as NFSv4 clients traverse file systems.
is_nfs_v4_numeric_id_enabled	String	Indicates if NFSv4 support for numeric owner IDs is enabled.
is_qtree_export_enabled	String	Indicates if the Vserver allows read-only QTree exports.
is_validate_qtree_enabled	String	Indicates if the Vserver performs additional validation for QTrees.
is_vstorage_enabled	String	Indicates if the usage of vStorage protocol for server-side copies is enabled (primarily used in hypervisors).
last_updated	Date	The date and time the NetApp Cluster-Mode NFS server data was last updated in the database.
max_nbr_of_aces	Number	Maximum number of access control entries (ACE) allowed in an access control list (ACL).

nbr_of_slots_nfs_v4x_session	Number	Number of slots in the NFSv4.x session slot tables.
nfs_unix_security_ops	String	Ignore/fail UNIX security operations on new technology file system (NTFS) volumes.
nfs_v41_impl_id_domain	String	NFSv4.1 implementation ID domain.
nfs_v41_impl_id_name	String	NFSv4.1 implementation ID name.
nfs_v41_impl_id_time	Date	NFSv4.1 implementation ID time.The number of seconds since January 1, 1970.
nfs_v4_grace_timeout_sec	Number	NFSv4 grace timeout value in seconds.
nfs_v4_id_domain	String	NFSv4 ID mapping domain.
nfs_v4_lease_timeout_sec	Number	NFSv4 lease timeout value in seconds.
nfs_v4x_slot_reply_cache_byte	Number	Size (in bytes) of the reply that will be cached in each NFSv4.x session slot.
ntc_nfs_server_id	Number	NFS Server ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Vserver name.
rpcsec_ctx_high_water_mark	Number	High-water mark for the RPCSEC_GSS Context Cache.
rpcsec_ctx_idle_time_sec	Number	Time in seconds before an idle entry in the RPCSEC_GSS context cache is deleted.
vserver_name	String	Vserver name

aps_v_ntc_node *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Node.

Column Name	Data Type	Description
aggregate_external_capacity_gb	Number	Sum of the file system total capacity of all the aggregates, when the disk type is not LUN.
aggregate_external_capacity_kb	Number	Sum of the file system total capacity of all the aggregates, when the disk type is not LUN.
aggregate_free_capacity_gb	Number	Sum of the file system available capacity of all the aggregates.
aggregate_free_capacity_kb	Number	Sum of the file system available capacity of all the aggregates.
aggregate_internal_capacity_gb	Number	Sum of the file system total capacity of all the aggregates when the disk type value is LUN.
aggregate_internal_capacity_kb	Number	Sum of the file system total capacity of all the aggregates when the disk type value is LUN.
aggregate_used_capacity_gb	Number	Sum of the file system used capacity of all the aggregates.
aggregate_used_capacity_kb	Number	Sum of the file system used capacity of all the aggregates.
array_name	String	Array name
backplane_part_nbr	String	Part number of the backplane.

backplane_revision	String	Revision of the backplane part number.
backplane_serial_nbr	String	Backplane serial number.
board_speed_mhz	Number	Speed of the system board in megahertz.
board_type	String	Type of system board, as defined by the vendor.
build_timestamp	Date	Time of the software build creation, in seconds since January 1, 1970, for the software image running on the node. This field is available in Data ONTAP 8.1 or later.
controller_address	String	Location of the controller in a multi-controller platform.
cpu_busy_time_sec	Number	The time (in hundredths of a second) that the CPU has been performing work since the last boot.
cpu_ciob_revision_id	String	Processor's CIOB (Champion I/O Bus) revision ID.
cpu_firmware_release	String	Firmware release number.
cpu_microcode_version	Number	CPU's microcode version. Range: [0..231-1]
cpu_part_nbr	String	CPU's part number.
cpu_processor_id	String	Processor's ID.
cpu_processor_type	String	Processor's Type.
cpu_revision	String	CPU's part number revision.
cpu_serial_nbr	String	CPU's serial number.
creation_date	Date	The date and time the NetApp Cluster node data was created in the database.
failed_fan_message	String	Text error message describing the current condition of the chassis fans.
failed_power_supply_message	String	Text error message describing the state of any power supplies thare are degraded.
is_epsilon_node	String	A node can be designated as epsilon to add weight to its voting in a cluster with an even number of nodes.
is_node_cluster_eligible	String	Indicates nodes that are eligible to participate in a cluster.
is_node_healthy	String	Indicates the health of a node in a cluster.
is_over_temperature	String	Indicates that the hardware is currently operating outside of the recommended temperature range. Hardware will shutdown if the temperature exceeds critical thresholds.
is_support_raid_array	String	Indicates if the system supports RAID arrays back-end connectivity.
last_updated	Date	The date and time the NetApp Cluster node data was last updated in the database.
lun_allocated_capacity_gb	Number	Sum of the total capacity of the logical units.
lun_allocated_capacity_kb	Number	Sum of the total capacity of the logical units.
lun_total_capacity_gb	Number	Sum of the allocated capacity of the logical units.
lun_total_capacity_kb	Number	Sum of the allocated capacity of the logical units.
max_aggregate_size_gb	Number	Maximum supported aggregate size.

max_aggregate_size_kb	Number	Maximum supported aggregate size.
max_nbr_of_volumes	Number	Maximum number of flexible volumes supported on this node.
max_volume_size_gb	Number	The maximum supported volume size.
max_volume_size_kb	Number	The maximum supported volume size.
memory_size_mb	Number	Memory size in MiB. (1024*1024).
nbr_of_aggregates	Number	Number of aggregates in the node.
nbr_of_allocated_luns	Number	Number of allocated LUNs in the node.
nbr_of_disks	Number	Number of disks in the node.
nbr_of_failed_fan	Number	Count of the number of chassis fans that are not operating within the recommended revolutions-per-minute (RPM) range.
nbr_of_failed_power_supply	Number	Number of failed power supply units.
nbr_of_flex_volumes	Number	Sum of all member nodes' thinly provisioned volumes (FlexVols).
nbr_of_inf_volumes	Number	Sum of all member infinite volumes in the node.
nbr_of_luns	Number	Number of LUNs in the node.
nbr_of_processors	Number	Number of processors in the NetApp appliance.
nbr_of_volumes	Number	Number of volumes in the node.
node_asset_tag	String	The asset tag of the node.
node_location	String	The physical location of the node.
node_model	String	The model of the node.
node_name	String	Node name
node_nvram_id	Number	Vendor specific non-volatile random-access memory (NVRAM) ID of the node.
node_owner	String	The owner of the node.
node_serial_nbr	String	The serial number of the node.
node_system_id	String	The system ID of the node.
node_uptime_sec	Number	Total time, in seconds, that the node has been up.
node_uuid	String	The universally unique identifier for the node. It is a 36-character string composed of 32 hexadecimal characters.
node_vendor	String	The hardware vendor of the node.
ntc_node_id	Number	Node ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
nvram_battery_status	String	Status of the non-volatile random-access memory (NVRAM) battery.
ontap_version	String	Data ONTAP version running on the node.

partner_system_id	String	Partner's system ID. Displayed in a cluster environment.
partner_system_name	String	Partner's system name. Displayed in a cluster environment.
partner_system_serial_nbr	String	Partner System serial number. Currently a string of numbers.
prod_type	String	Values are based on the vendor providing the raw storage: V-Series, gfiler, or gateway.
system_machine_type	String	Machine type of the system. For example, FAS3050.
system_revision	String	Revision ID of the system board.
volume_available_capacity_gb	Number	Sum of the available capacity of all the volumes.
volume_available_capacity_kb	Number	Sum of the available capacity of all the volumes.
volume_total_capacity_gb	Number	Sum of the capacity of all the volumes.
volume_total_capacity_kb	Number	Sum of the capacity of all the volumes.
volume_used_capacity_gb	Number	Sum of the used capacity of all the volumes.
volume_used_capacity_kb	Number	Sum of the used capacity of all the volumes.

aps_v_ntc_node_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Node Log.

Column Name	Data Type	Description
aggregate_external_capacity_gb	Number	Sum of the file system total capacity of all the aggregates, when the disk type is not LUN.
aggregate_external_capacity_kb	Number	Sum of the file system total capacity of all the aggregates, when the disk type is not LUN.
aggregate_free_capacity_gb	Number	Sum of the file system available capacity of all the aggregates.
aggregate_free_capacity_kb	Number	Sum of the file system available capacity of all the aggregates.
aggregate_internal_capacity_gb	Number	Sum of the file system total capacity of all the aggregates when the disk type value is LUN.
aggregate_internal_capacity_kb	Number	Sum of the file system total capacity of all the aggregates when the disk type value is LUN.
aggregate_used_capacity_gb	Number	Sum of the file system used capacity of all the aggregates.
aggregate_used_capacity_kb	Number	Sum of the file system used capacity of all the aggregates.
array_name	String	Array name
log_date	Date	The date and time the node history samples were collected. For NetApp Cluster-Mode, this is set to the start of the performance collection for all samples.
lun_allocated_capacity_gb	Number	Sum of the total capacity of the logical units.
lun_allocated_capacity_kb	Number	Sum of the total capacity of the logical units.
lun_total_capacity_gb	Number	Sum of the allocated capacity of the logical units.

lun_total_capacity_kb	Number	Sum of the allocated capacity of the logical units.
max_aggregate_size_gb	Number	Maximum supported aggregate size.
max_aggregate_size_kb	Number	Maximum supported aggregate size.
max_volume_size_gb	Number	Maximum supported volume size.
max_volume_size_kb	Number	Maximum supported volume size.
nbr_of_aggregates	Number	Number of aggregates in the node.
nbr_of_allocated_luns	Number	Number of allocated LUNs in the node.
nbr_of_disks	Number	Number of disks in the node.
nbr_of_flex_volumes	Number	Sum of all member nodes' thinly provisioned volumes (FlexVols).
nbr_of_inf_volumes	Number	Sum of all member infinite volumes in the node.
nbr_of_luns	Number	Number of LUNs in the node.
nbr_of_volumes	Number	Number of volumes in the node.
node_name	String	Node name
ntc_node_id	Number	List of node names.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
volume_available_capacity_gb	Number	Sum of the available capacity of all the volumes.
volume_available_capacity_kb	Number	Sum of the available capacity of all the volumes.
volume_total_capacity_gb	Number	Sum of the capacity of all the volumes.
volume_total_capacity_kb	Number	Sum of the capacity of all the volumes.
volume_used_capacity_gb	Number	Sum of the used capacity of all the volumes.
volume_used_capacity_kb	Number	Sum of the used capacity of all the volumes.

aps_v_ntc_option *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Option.

Column Name	Data Type	Description
array_name	String	Array name
cluster_constraint	String	Indicates the cluster-specific constraints of option.
creation_date	Date	The date and time the NetApp Cluster-Mode option data was created in the database.
data_type	String	Data type of the cluster option.

default_value	String	Default initial value of the cluster option.
description	String	Brief description of the cluster option.
last_updated	Date	The date and time the NetApp Cluster-Mode option data was last updated in the database.
ntc_option_id	Number	Option ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	The name of the Vserver to which this option belongs.
option_name	String	Name of the cluster option.
option_value	String	Value of the cluster option.
privilege_level	String	The privilege level of this option.
vserver_name	String	Vserver name

aps_v_ntc_plex *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Plex.

Column Name	Data Type	Description
aggregate_name	String	Aggregate name
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode plex data was created in the database.
is_online	String	Indicates if the plex is online,
is_resyncing	String	Indicates if the plex is currently resyncing.
last_updated	Date	The date and time the NetApp Cluster-Mode plex data was last updated in the database.
node_name	String	Node name
ntc_aggregate_id	Number	Aggregate ID, for internal use by the database.
ntc_node_id	Number	Node ID, for internal use by the database.
ntc_plex_id	Number	Plex ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
plex_name	String	Plex name
plex_status	String	Plex status in a comma-separated list.
pool	Number	The pool to which the majority of disks in the plex belong.
resync_level	Number	If the plex is currently being resynced, this is the resync level.

resyncing_pct	Number	If the plex is currently being resynced, this is the completion percentage.

aps_v_ntc_prc_node_perf_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Processor Node Performance Log.

Column Name	Data Type	Description
array_name	String	Array name
cum_interval_sec	Number	Time interval, in seconds, for which the NetApp Cluster-Mode processor node performance history data was collected.
interval_type	String	Interval type of the processor node performance history collection.
log_date	Date	Timestamp at which the performance data was collected.
node_name	String	Node name
ntc_node_id	Number	Node ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
processor_busy_pct	Number	Percentage of elapsed time that the processor is executing non-idle processes.
processor_elapsed_time_sec	Number	Wall-clock time since boot used for calculating processor utilization.
skswitches_ps	Number	Number of sk switches per second.

aps_v_ntc_processor_perf_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Processor Performance Log.

Column Name	Data Type	Description
array_name	String	Array name
cum_interval_sec	Number	Time interval, in seconds, for which the NetApp Cluster-Mode aggregate performance history data was collected.
instance_name	String	Instance name.
interval_type	String	Interval type of the processor performance history collection.
log_date	Date	Timestamp at which the performance data was collected.
node_name	String	Node name
ntc_node_id	Number	Node ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.

processor_busy_pct	Number	Percentage of elapsed time that the processor is executing non-idle processes.
processor_elapsed_time_sec	Number	Wall-clock time since boot used for calculating processor utilization.
skswitches_ps	Number	Number of sk switches per second.

aps_v_ntc_qtree *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Qtree.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster QTree data was created in the database.
export_policy_name	String	Export policy name
is_export_policy_inherited	String	Indicates if the QTree inherits the export policy of the parent volume.
last_updated	Date	The date and time the NetApp Cluster-Mode QTree data was last updated in the database.
nbr_of_cifs_shares	Number	Number of CIFS Shares in the QTree.
nbr_of_luns	Number	Number of LUNs in the QTree.
nbr_of_nfs_exports	Number	Number of NFS Exports in the QTree.
ntc_export_policy_id	Number	Export policy of the QTree. By default, qtrees use the parent export policy of the containing volume if not otherwise specified at the time of creation
ntc_qtree_id	Number	QTree ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_volume_id	Number	Name of the volume containing the QTree.
ntc_vserver_id	Number	The Vserver in which the volume belongs.
oplocks	String	Indicates whether opportunistic locks are enabled on the QTree.
qtree_id	Number	ID of the QTree (unique within the volume). This ID is 0 if the Qtree is the volume itself.
qtree_name	String	Qtree name
qtree_status	String	Status of the QTree.
security_style	String	Security style of the QTree.
volume_name	String	Volume name
vserver_name	String	Vserver name

aps_v_ntc_quota *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Quota.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode aggregate quota was created in the database.
disk_limit	String	Maximum amount of disk space, in KiB, allowed for the quota target (hard disk space limit).
disk_used	String	Current amount of disk space, in KiB, used by the quota target.
file_limit	String	Maximum number of files allowed for the quota target (hard files limit). A hyphen (-) indicates unlimited.
file_used	String	Current number of files used by the quota target.
last_updated	Date	The date and time the NetApp Cluster-Mode quota data was last updated in the database.
ntc_qtree_id	Number	Name of the QTree to which the quota is applied.
ntc_quota_id	Number	Quota ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_volume_id	Number	Name of the volume to which the quota is applied.
ntc_vserver_id	Number	The Vserver name in which the volume belongs, for which the quota is applicable.
qtree_name	String	Qtree name
quota_target	String	For an explicit quota, this value is a fully qualified quota target.
quota_type	String	Quota Type
soft_disk_limit	String	Soft disk space limit, in KiB, for the quota target.
soft_file_limit	String	Soft file limit (number of files) for the quota target.
threshold	String	Disk space threshold, in KiB, for the quota target.
volume_name	String	Volume name
vserver_name	String	Vserver name

aps_v_ntc_quota_error *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Quota Error.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode quota error data was created in the database.
error_msg	String	Error message
last_updated	Date	The date and time the NetApp Cluster-Mode quota error data was last updated in the database.
ntc_quota_status_id	Number	Quota status ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
quota_status	String	Quota status

aps_v_ntc_quota_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Quota Log.

Column Name	Data Type	Description
array_name	String	Array name
disk_limit	String	Maximum amount of disk space, in KiB, allowed for the quota target (hard disk space limit).
disk_used	String	Current amount of disk space, in KiB, used by the quota target.
file_limit	String	Maximum number of files allowed for the quota target (hard files limit). A hyphen (-) indicates unlimited.
file_used	String	Current number of files used by the quota target.
log_date	Date	The date and time the quota history samples were collected. For NetApp Cluster-Mode, this is set to the start of the performance collection for all samples.
ntc_quota_id	Number	Quota ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
soft_disk_limit	String	A hyphen (-) indicates unlimited.
soft_file_limit	String	A hyphen (-) indicates unlimited.
threshold	String	A hyphen (-) indicates unlimited.

aps_v_ntc_quota_status *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Quota Status.

Column Name	Data Type	Description

array_name	String	Array name
complete_pct	Number	When the status is upgrading, resizing, or initializing, this field represents the percentage complete for an on or resize operation.
creation_date	Date	The date and time the NetApp Cluster-Mode quota status data was created in the database.
last_updated	Date	The date and time the NetApp Cluster-Mode quota status data was last updated in the database.
ntc_quota_status_id	Number	Quota status ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_volume_id	Number	Name of the volume to which the quota is applied.
ntc_vserver_id	Number	Vserver name in which the volume belongs, for which the quota is applicable.
quota_status	String	Quota status
reason	String	A human-readable concise reason for the error.
sub_status	String	Minor quota status on the indicated volume. This status is only valid when primary the status is resizing or initializing.
volume_name	String	Volume name
vserver_name	String	Vserver name

aps_v_ntc_quota_user *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Quota User.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode quota user data was created in the database.
last_updated	Date	The date and time the NetApp Cluster-Mode quota user data was last updated in the database.
ntc_quota_id	Number	Quota ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
quota_type	String	Quota Type
quota_user_id	String	ID of the user.
quota_user_name	String	Name of the user, group, or sid.
quota_user_type	String	The type of quota user.

aps_v_ntc_raid_group *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster RAID Group.

Column Name	Data Type	Description
aggregate_name	String	Aggregate name
array_name	String	Array name
checksum_style	String	Checksum style for the RAID group.
creation_date	Date	The date and time the NetApp Cluster-Mode RAID group data was created in the database.
is_cache_tier	String	Indicates if the RAID group is composed of solid state drives (SSDs) and the owning aggregate is a hybrid (the group is not part of usable space).
is_recomputing_parity	String	Indicates if the RAID group is recomputing parity.
is_reconstructing	String	Indicates if the RAID group is reconstructing.
last_updated	Date	The date and time the NetApp Cluster-Mode RAID group data was last updated in the database.
node_name	String	Node name
ntc_aggregate_id	Number	Aggregate ID, for internal use by the database.
ntc_node_id	Number	Node ID, for internal use by the database.
ntc_plex_id	Number	Plex ID, for internal use by the database.
ntc_raid_group_id	Number	RAID Group ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
plex_name	String	Plex name
raid_group_name	String	Raid group name
recomputing_parity_pct	Number	The percentage of parity recomputation completed, if the RAID group is recomputing parity.
reconstruction_pct	Number	Completion percentage, if reconstruction is in progress.

aps_v_ntc_raid_perf_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster RAID Performance Log.

Column Name	Data Type	Description
array_name	String	Array name

avg_raid_latency_ms	Number	Average latency for all reads operations sent by Write Anywhere File Layout (WAFL) to RAID in microseconds.
avg_tetris_latency_ms	Number	Average latency for tetris as seen by Write Anywhere File Layout (WAFL) in microseconds.
blks_read_ps	Number	Blocks read per second.
blks_write_ps	Number	Blocks written per second.
cum_interval_sec	Number	Time interval, in seconds, for which the NetApp Cluster-Mode CIFS performance history data was collected.
full_stripes_write_ps	Number	Full stripes written per second.
interval_type	String	Interval type of the collection.
log_date	Date	Timestamp at which the performance data was collected.
node_name	String	Node name
ntc_node_id	Number	Node ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
partial_stripes_write_ps	Number	Partial stripes written per second.
raid_read_ops	Number	Read operations per second issued by Write Anywhere File Layout (WAFL) to RAID.
raid_tetris_count_ps	Number	Number of tetrises sent to RAID per second.
stripes_write_ps	Number	Stripes written per second.
tetris_write_ps	Number	Tetrises written per second.

aps_v_ntc_smb_perform_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster SMB Performance Log.

Column Name	Data Type	Description
array_name	String	Array name
avg_read_class_latency_ms	Number	Average latency for SMB1/SMB2 read class operations.
avg_read_latency_ms	Number	Average latency for SMB1_COM_READ/SMB2_COM_READ operations.
avg_smb_latency_ms	Number	Average latency for SMB1/SMB2 operations.
avg_write_latency_ms	Number	Average latency for SMB1_COM_WRITE /SMB2_COM_WRITE operations.
cum_interval_sec	Number	Time interval, in seconds, for which the NetApp Cluster SMB history data was collected.
interval_type	String	Interval type of the SMB performance history collection.
log_date	Date	Possible values: SMB1 or SMB2.
max_nbr_of_open_files	Number	Maximum number of open files over SMB2 achieved.

nbr_of_active_searches	Number	Number of active searches over SMB1/SMB2.
nbr_of_observed_smb_total	Number	Total observed SMB1/SMB2 operations to be used as a base counter for SMB average latency calculation.
nbr_of_read_latency	Number	Number of SMB1_COM_READ/SMB2_COM_READ operations used as a base for latency calculations.
nbr_of_smb_cmds_outstanding	Number	Number of SMB1/SMB2 commands in process.
nbr_of_smb_connect_estd	Number	Number of established SMB1/SMB3 sessions.
nbr_of_smb_connect_shares	Number	Number of SMB1/SMB2 share connections.
nbr_of_smb_read_class	Number	Total number of SMB1/SMB2 read class operations.
nbr_of_smb_total	Number	Number of SMB1/SMB2 operations.
nbr_of_smb_write_class	Number	Total number of SMB1/SMB2 write class operations.
nbr_of_write_latency	Number	Number of SMB1_COM_WRITE/SMB2_COM_WRITE operations used as a base for latency calculations.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Vserver ID, for internal use by the database.
smb1_nbr_of_read_andx	Number	Number of SMB1_COM_READ_ANDX operations used as a base for latency calculations.
smb1_nbr_of_write_andx	Number	Number of SMB1_COM_WRITE_ANDX operations used as a base for latency calculations.
smb1_read_andx_latency_ms	Number	Average latency for SMB1_COM_READ_ANDX operations.
smb1_write_andx_latency_ms	Number	Average latency for SMB1_COM_WRITE_ANDX operations.
smb_type	String	Timestamp at which the performance data was collected.
vserver_name	String	Vserver name

aps_v_ntc_snapshot *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Snapshot.

Column Name	Data Type	Description
access_time	Date	The volume access time when the snapshot was created, in seconds since Jan 1, 1970.
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster snapshot data was created in the database.
cum_total_blocks	Number	Cumulative total of 1024-byte blocks of this snapshot and previous snapshots.
dependency	String	Comma-separated list of pplications dependent on this snapshot.
is_7mode_snapshot	String	Indicates if the snapshot is a 7-mode snapshot.
is_busy	String	Indicates if the snapshot is being used by an application.

is_constituent_snapshot	String	Indicates if the snapshot is a constituent snapshot.
is_contain_lun_clones	String	Indicates if the snapshot contains LUN clones.
last_updated	Date	The date and time the NetApp Cluster-Mode snapshot data was last updated in the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_volume_id	Number	Volume name.
ntc_vserver_id	Number	Name of the Vserver to which this volume belongs.
snapmirror_label	String	SnapMirror label associated with the snapshot.
snapshot_instance_uuid	String	The 128-bit unique snapshot identifier expressed in the form of a universally unique identifier (UUID).
snapshot_name	String	Name of the snapshot.
snapshot_state	String	The state of the snapshot.
snapshot_version_uuid	String	The 128 bit unique snapshot identifier expressed in the form of UUID. This field uniquely identifies the snapshot's logical data layout.
total_blocks	Number	Number of 1024-byte blocks in the snapshot.
total_blocks_cum_pct	Number	Percentage of blocks owned by this snapshot and all of the more recent snapshots.
total_blocks_pct	Number	Percentage of blocks owned by this snapshot.
used_blocks_cum_pct	Number	Percentage of blocks owned by this snapshot and all of the more recent snapshots.
used_blocks_pct	Number	Percentage of blocks owned by this snapshot.
volume_name	String	Volume name
vserver_name	String	Vserver name

aps_v_ntc_snapshot_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Snapshot Log.

Column Name	Data Type	Description
allocated_gb	Number	Number of 1024-byte blocks in the snapshot * Total usable size (in bytes) of the volume /100
allocated_kb	Number	Number of 1024-byte blocks in the snapshot * Total usable size (in bytes) of the volume /100
array_name	String	Array name
cum_total_blocks	Number	Cumulative total of 1024-byte blocks of this snapshot and previous snapshots.
log_date	Date	The date and time the samples were collected. For NetApp Cluster, this is set to the start of the performance collection for all samples.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_volume_id	Number	Volume name.

total_blocks	Number	Number of 1024-byte blocks in the snapshot.
used_gb	Number	Used blocks owned by this snapshot * Total usable size (in bytes) of the volume /100
used_kb	Number	Used blocks owned by this snapshot * Total usable size (in bytes) of the volume /100
volume_name	String	Volume name

aps_v_ntc_snapshot_policy *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Snapshot Policy.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode snapshot policy data was created in the database.
is_enabled	String	Indicates if the snapshot policy is enabled and scheduled snapshots will be created on the volume associated with this policy.
l_comment	String	Description associated with the snasphot policy.
last_updated	Date	The date and time the NetApp Cluster-Mode snapshot policy data was last updated in the database.
nbr_of_schedules	Number	Total number of schedules in the policy attributes.
ntc_snapshot_policy_id	Number	Snapshot Policy ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Vserver name associated with the snapshot policy.
policy_owner	String	Owner of the policy attributes.
snapshot_policy_name	String	Snapshot policy name
vserver_name	String	Vserver name

aps_v_ntc_snapshot_schdcron *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Snapshot Schedule Cron. Data will be available in either aps_v_ntc_snapshot_schdcron or aps_v_ntc_snapshot_schdintvl.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode Schedule Cron data was created in the database.

cron_day_of_month	String	The day(s) of the month when the job should be run.
cron_day_of_week	String	The day(s) in the week when the job should be run.
cron_day_of_week_raw	String	The day(s) in the week when the job should be run.
cron_hour	String	The hour(s) of the day when the job should be run.
cron_minute	String	The minute(s) of each hour when the job should be run.
cron_month	String	The month(s) when the job should be run.
cron_month_raw	String	The month(s) when the job should be run.
last_updated	Date	The date and time the NetApp Cluster Schedule Cron data was last updated in the database.
ntc_schedule_cron_id	Number	Snapshot Schedule Cron ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
snapshot_job_schd_description	String	The description of the job schedule.
snapshot_schedule_name	String	The name of the job schedule.

aps_v_ntc_snapshot_schdintvl *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Snapshot Schedule Interval. Data will be available in either aps_v_ntc_snapshot_schdcron or aps_v_ntc_snapshot_schdintvl.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode Scheduled Interval data was created in the database.
last_updated	Date	The date and time the NetApp Cluster Scheduled Interval data was last updated in the database.
ntc_schedule_interval_id	Number	Schedule Interval ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
snapshot_job_schd_description	String	The description of the job schedule.
snapshot_job_schd_int_days	Number	The number of days between jobs.
snapshot_job_schd_int_hrs	Number	The number of hours between jobs.
snapshot_job_schd_int_mins	Number	The number of minutes between jobs.
snapshot_job_schd_int_secs	Number	The number of seconds between jobs.
snapshot_schedule_name	String	The name of the job schedule.

aps_v_ntc_snapshot_schedule *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Snapshot Schedule.

Column Name	Data Type	Description
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode snapshot schedule data was created in the database.
last_updated	Date	The date and time the NetApp Cluster-Mode schedule data was last updated in the database.
nbr_of_snapshots	Number	Maximum number of snapshots that will be retained for the schedule in the snapshot policy.
ntc_snapshot_policy_id	Number	Snapshot Policy ID, for internal use by the database.
ntc_snapshot_schedule_id	Number	Snapshot Schedule ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
prefix	String	Snapshot name prefix for the schedule in the snapshot policy.
snapmirror_label	String	Snapshot SnapMirror label for the schedule present in the snapshot policy.
snapshot_policy_name	String	Snapshot policy name

aps_v_ntc_storage_adapter *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Storage Adapter.

Column Name	Data Type	Description
adapter_name	String	Storage Adapter name
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode storage adapter data was created in the database.
last_updated	Date	The date and time the NetApp Cluster-Mode storage adapter data was last updated in the database.
node_name	String	Node name
node_wwn_id	Number	World Wide Node Name (WWNN) of the storage adapter.
node_wwn_name	String	Node wwn name
ntc_node_id	Number	Node currently hosting the storage adapter .
ntc_storage_adapter_id	Number	Storage Adapter ID, for internal use by the database.

ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
port_wwn_id	Number	World Wide Port Name (WWPN) of the storage adapter.
port_wwn_name	String	Port WWN name

aps_v_ntc_storage_system *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Storage System.

Column Name	Data Type	Description
aggregate_external_capacity_gb	Number	Sum of the file system total capacity of all the aggregates, when the disk type value is not LUN.
aggregate_external_capacity_kb	Number	Sum of the file system total capacity of all the aggregates, when the disk type value is not LUN.
aggregate_free_capacity_gb	Number	Sum of the file system available capacity of all the aggregates.
aggregate_free_capacity_kb	Number	Sum of the file system available capacity of all the aggregates.
aggregate_internal_capacity_gb	Number	Sum of the file system total capacity of all the aggregates, when the disk type value is LUN.
aggregate_internal_capacity_kb	Number	Sum of the file system total capacity of all the aggregates, when the disk type value is LUN.
aggregate_used_capacity_gb	Number	Sum of the file system used capacity of all the aggregates.
aggregate_used_capacity_kb	Number	Sum of the file system used capacity of all the aggregates.
array_name	String	Array name
build_timestamp	Date	Build creation time of the image running on the NetApp appliance; or the time of the build that has an ONTAP version that is the lowest across the cluster.
cluster_contact	String	Primary contact information for the cluster.
cluster_location	String	User designated. Free-form field describing the releative location of the cluster in the user's environment.
creation_date	Date	The date and time the NetApp Cluster-Mode storage system data was created in the database.
last_updated	Date	The date and time the NetApp Cluster-Mode storage system data was last updated in the database.
nbr_of_aggregates	Number	Number of aggregates in the cluster,
nbr_of_cifs_shares	Number	Number of CIFS in the cluster.
nbr_of_flex_volumes	Number	Number of flex volumes in the storage system.
nbr_of_inf_volumes	Number	Number of infinite volumes in the storage system.
nbr_of_nfs_exports	Number	Number of NFS in the cluster.
nbr_of_nodes	Number	Number of configured nodes in the cluster.
nbr_of_thin_volumes	Number	Number of thin volumes in the storage system.
nbr_of_volumes	Number	Number of volumes in the storage system.

nbr_of_vservers	Number	Number of configured Vservers in the cluster.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ontap_generation	Number	First integer of the Data ONTAP version tuple corresponding to the lowest version across the cluster.
ontap_major	Number	Second integer of the Data ONTAP version tuple corresponding to the lowest version across the cluster.
ontap_minor	Number	Third integer of the Data ONTAP version tuple corresponding to the lowest version across the cluster.
ontap_version	String	Version of ONTAP as of the last data collection.
rdb_uuid	String	The 128-bit universally unique identifier for the replicated database (RDB).
volume_available_capacity_gb	Number	Sum of the available capacity of all the volumes.
volume_available_capacity_kb	Number	Sum of the available capacity of all the volumes.
volume_total_capacity_gb	Number	Sum of the capacity of all the volumes.
volume_total_capacity_kb	Number	Sum of the capacity of all the volumes.
volume_used_capacity_gb	Number	Sum of the used capacity of all the volumes.
volume_used_capacity_kb	Number	Sum of the used capacity of all the volumes.

aps_v_ntc_system_prf_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster System Performance Log.

Column Name	Data Type	Description
array_name	String	Array name
avg_processor_busy_pct	Number	Average processor utilization across all processors in the system.
cpu_busy_pct	Number	System CPU resource utilization.
cpu_elapsed_time1_sec	Number	Elapsed time since boot.
cpu_elapsed_time2_sec	Number	Elapsed time since boot.
cpu_elapsed_time_sec	Number	Elapsed time since boot.
cum_interval_sec	Number	Time interval, in seconds, for which the NetApp Cluster-Mode system performance history data was collected.
disk_read_kbps	Number	Disk read rate in Kbps.
disk_write_kbps	Number	Disk write rate in Kbps.
fcp_data_recv_kbps	Number	Fibre Channel Protocol (FCP) data received rate in Kbps.
fcp_data_sent_kbps	Number	Fibre Channel Protocol (FCP) data sent rate in Kbps.
fcp_ops	Number	Fibre Channel Protocol (FCP) operations per second.

hdd_disk_read_kbps	Number	Hard disk drive (HDD) read rate in Kbps.
hdd_disk_write_kbps	Number	Hard disk drive (HDD) write rate in Kbps.
http_ops	Number	HTTP operations per second.
interval_type	String	Interval type of the system performance history collection.
iscsi_ops	Number	iSCSI operations per second.
log_date	Date	Timestamp at which the performance data was collected.
nbr_of_cifs_total_ops	Number	CIFS operations per second.
nbr_of_processors	Number	Number of active processors in the system.
net_data_recv_kbps	Number	Network data received rate in Kbps.
net_data_sent_kbps	Number	Network data sent rate in Kbps.
nfs_ops	Number	NFS operations per second.
node_name	String	Node name
ntc_node_id	Number	Node ID, for internal use by the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
read_ops	Number	Read operations per second.
ssd_disk_read_kbps	Number	Solid state drive (SSD) disks read rate in Kbps.
ssd_disk_write_kbps	Number	Solid state drive (SSD) disks write rate in Kbps.
sys_avg_latency_ms	Number	Average latency for all operations in the system in milliseconds.
sys_read_latency_ms	Number	Average latency for all read operations in the system in milliseconds.
sys_write_latency_ms	Number	Average latency for all write operations in the system in milliseconds.
total_ops	Number	Total operations per second.
total_processor_busy_pct	Number	Total processor utilization of all processors in the system.
write_ops	Number	Write operations per second.

aps_v_ntc_trgt_prt_perform_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Target Port Performance Log.

Column Name	Data Type	Description
array_name	String	Array name
busy_pct	Number	Percentage of time that there are commands outstanding on the indicated array target port from this controller.

cum_interval_sec	Number	Time interval, in seconds, for which the NetApp Cluster target port performance history data was collected.
extn_array_profile_name	String	External array profile name
interval_type	String	Target port performance history collection interval type.
log_date	Date	Timestamp at which the performance data was collected. This is not a counter and is returned as an additional element in the output.
ntc_extn_array_profile_id	Number	ID of the external array name in the array record.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
read_kbps	Number	The average read throughput in K bytes per second read by this controller from the indicated array target port.
read_latency_ms	Number	The average latency for I/O read operations performed by this controller on the indicated array target port.
read_ops	Number	The number of I/O read operations per second performed by this controller on the indicated.
total_kbps	Number	The average total throughput in K bytes per second read or written by this controller to or from the indicated array target port.
total_latency_ms	Number	The average latency for I/O operations performed by this controller on the indicated array target port.
total_ops	Number	The total number of I/O read and write operations per second performed by this controller on the indicated array target port.
usec_since_boot_sec	Number	Time base for the disk-busy calculation.
waiting_pct	Number	Percentage of time that there are commands queued waiting to be sent to the indicated array target port from this controller.
write_kbps	Number	The average write throughput in K bytes per second written by this controller to the indicated array target port.
write_latency_ms	Number	The average latency for I/O write operations performed by this controller on the indicated array target port.
write_ops	Number	The number of I/O write operations per second performed by this controller on the indicated array target port.
wwn_id	Number	Internally generated sequence that identifies the World Wide Name (WWN).
wwn_name	String	WWN name

aps_v_ntc_ucm_adapter *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster UCM Adapter.

Column Name	Data Type	Description
adapter_name	String	The slot name of the Unified Connect Management (UCM) adapter, for example: 0e.
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode Unified Connect Management (UCM) adapter data was created in the database.
fc4_type	String	The current FC-4 type of this Unified Connect Management (UCM) adapter.
last_updated	Date	The date and time the NetApp Cluster-Mode Unified Connect Management (UCM) adapter data was last updated in the database.
node_name	String	Node name

ntc_node_id	Number	The name of the node where the adapter is installed.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_ucm_adapter_id	Number	Unified Connect Management (UCM) adapter ID, for internal use by the database.
pending_fc4_type	String	The pending change that has been made to the FC-4 type on this Unified Connect Management (UCM) adapter, but a controller reboot is required for the change to take effect.
pending_mode	String	The pending change that has been made to the mode on this Unified Connect Management (UCM) adapter, but a controller reboot is required for the change to take effect.
supported_mode	String	The operational mode of the Unified Connect Management (UCM) adapter.
supported_types_cna_mode	String	The FC-4 type of the Unified Connect Management (UCM) adapter for Converged Network Adapter (CNA) mode.
supported_types_fc_mode	String	The FC-4 type of the Unified Connect Management (UCM) adapter for Fibre Channel (FC) mode.
ucm_adapter_status	String	The status of this Unified Connect Management (UCM) adapter.
ucm_adaptor_mode	String	The current mode of this Unified Connect Management (UCM) adapter.

aps_v_ntc_vendor *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Vendor.

Column Name	Data Type	Description
array_name	String	Array name
auto_support_email	String	Vendor's Auto Support email target.
auto_support_url	String	Vendor's Auto Support URL target.
complete_name	String	Complete name of the vendor.
creation_date	Date	The date and time the NetApp Cluster-Mode vendor data was created in the database.
customer_support_contact	String	Vendor's technical support contact information.
customer_support_name	String	Name of vendor's customer support organization.
information_url	String	Vendor's AutoSupport information URL.
last_updated	Date	The date and time the NetApp Cluster vendor data was last updated in the database.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ontap_oid_prefix	String	Vendor's starting SNMP OID prefix for Data ONTAP. The suffix that follows is the storage system MIB. For example, .1.3.6.1.4.1.789.
product_url	String	Vendor's installed product information URL.
short_name	String	Vendor's short name.

aps_v_ntc_volume *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Volume.

Column Name	Data Type	Description
aggregate_name	String	Aggregate name
array_name	String	Array name
block_type	String	The indirect block format of the volume.
cache_policy_name	String	Cache policy name
clone_parent_volume_id	Number	User readable name for clone parent volume.
clone_parent_volume_name	String	Clone parent volume ID, for internal use by the database.
commitment	String	Indicates snapshots that are allowed to be deleted to regain space.
compress_saved_gb	Number	Total disk space (in bytes) saved by compressing blocks on the referenced file system.
compress_saved_kb	Number	Total disk space (in bytes) saved by compressing blocks on the referenced file system.
compress_saved_pct	Number	Percentage of total disk space saved by compressing blocks on the referenced file system.
constituent_role	String	Specifies the role of a constituent within an Infinite Volume. Only supported for Infinite Volume constituents.
creation_date	Date	Date and time the NetApp Cluster volume data was created in the database.
creation_time	Date	Creation time of the volume in seconds since January 1, 1970.
dedup_metafiles_gb	Number	Represents space used by deduplication metafiles in bytes.
dedup_metafiles_kb	Number	Represents space used by deduplication metafiles in bytes.
dedup_metafiles_pct	Number	Represents space used by deduplication metafiles as a percentage of volume size.
dedup_metafiles_temp_gb	Number	Represents space used by temporary deduplication metafiles in bytes.
dedup_metafiles_temp_kb	Number	Represents space used by temporary deduplication metafiles in bytes.
dedup_metafiles_temp_pct	Number	Represents space used by temporary deduplication metafiles as a percentage of volume size.
dedup_save_gb	Number	Total disk space (in bytes) saved by deduplication and file cloning.
dedup_save_kb	Number	Total disk space (in bytes) saved by deduplication and file cloning.
dedup_saved_pct	Number	Percentage of total disk space saved by deduplication and file cloning.
dedup_shared_gb	Number	Total disk space shared due to deduplication and file cloning.
dedup_shared_kb	Number	Total disk space shared due to deduplication and file cloning.
defer_delete	String	Determines the type of snapshots to delete.

delete_order	String	Indicates if the oldest or newest snapshot was deleted first.
destroy_list	String	List of services that can be destroyed if the snapshot is backing that service.
ds_id	Number	Indicates the Data Set ID for the volume.
eligibility	String	Flash Pool caching eligibility of a volume
export_policy_name	String	Export policy name
extent_enabled	String	Indicates if extents are enabled in the volume.
file_system_size_gb	Number	File system size (in bytes) of the volume. Total usable size of the volume, not including Write Anywhere File Layout (WAFL) reserve.
file_system_size_kb	Number	File system size (in bytes) of the volume. Total usable size of the volume, not including Write Anywhere File Layout (WAFL) reserve.
filesystem_metadata_kb	Number	Represents volume file system metadata in bytes.
filesystem_metadata_pct	Number	Represents volume file system metadata as a percentage of volume size attributes.
fill_policy	String	Fill policy name.
fractional_reserve_pct	Number	Indicates the percentage of space reserved for overwrites of reserved objects (for example, files, LUNs) in a volume.
fs_id	String	File System Identifier (FSID) value that serves as an internal index for a volume.
grow_threshold_pct	Number	Used space threshold which triggers autogrow.
increment_pct	Number	Increment size computed as a percentage of the volume size at the time autosize was enabled.
increment_size_gb	Number	Increment size (in bytes) by which the volume is grown.
increment_size_kb	Number	Increment size (in bytes) by which the volume is grown.
inodes_metadata_gb	Number	Space used by inode metadata in bytes.
inodes_metadata_kb	Number	Space used by inode metadata in bytes.
inodes_metadata_pct	Number	Space used by inode metadata as a percentage of volume size.
instance_uuid	String	Universally unique identifier (UUID) for the volume that remains unchanged when the volume is moved to a new location.
is_access_time_update_enabled	String	Indicates the update of inode access times when a file read was prevented.
is_auto_delete_enabled	String	Indicates if the snapshot autodelete is currently enabled for the volume. The default value is false.
is_auto_snapshot_enabled	String	Indicates if automatic snapshots is enabled on the volume.The default value is true.
is_cluster_volume	String	Indicates whether this volume is a Cluster-Mode volume, namely one that is owned by cluster authorities and agents.
is_convert_ucode_enabled	String	Indicates if all directories in this volume were forcibly converted to Unicode format when accessed from both NFS and CIFS.
is_create_ucode_enabled	String	Indicates if all directories in this volume were forced to use the Unicode format when they werecreated, both from NFS and CIFS.
is_data_protection_mirror	String	Indicates if this is a data protection mirror.
is_enabled	String	This element is deprecated in Data ONTAP 8.2 and later.
is_file_system_size_fixed	String	If true, this field causes the file system to remain the same size (and not grow) when a SnapMirror relationship is broken.

is_flexcache_deleg_enabled	String	Indicates if FlexCache Read Delegations are turned on for this volume.
is_i2p_enabled	String	Indicates if native inode-to-parent information is kept for inodes. By default, this field is true.
is_ignore_inconsistent	String	Inidcates if the volume can be brought online when booting even if it is marked as inconsistent.
is_invalid	String	Indicates if this volume is invalid. Volumes typically become invalid as a result of an aborted vol copy or SnapMirror initial transfer.
is_junction_active	String	Indicates if the mounted volume is accessible. The default is true.
is_load_sharing_mirror	String	Indicates if this is a load sharing mirror.
is_managed_by_service	String	Specifies if the volume is managed by GUI services. The deafult value is false.
is_min_read_ahead	String	Indicates if the node performs minimal read-ahead for the volume.
is_mirror_transfer_in_progress	String	Indicates if a SnapMirror transfer is in progress on this mirrored volume.
is_move_mirror	String	Indicates if this is a volume move mirror.
is_moving	String	Indicates if the given volume is moving from one aggregate to another aggregate in the cluster.
is_node_root	String	Indicates if this volume is the root volume of the node in which it resides.
is_node_root_after_reboot	String	Indicates if this non node-root volume has been marked as the one that will become the node root volume the next time the hosting controller is rebooted.
is_nvfail_enabled	String	Indicates if the controller performs additional work at boot and takeover times if it finds that there has been any potential data loss in this volume due to an NVRAM failure.
is_nvfailed_state	String	The file system will set this state on the volume if NVFAIL event occurs.
is_quiesced_in_memory	String	Indicates if the given volume is quiesced.
is_quiesced_on_disk	String	Indicates if this volume is in an (on-disk) quiesced state in which most operations on the volume are blocked except for certain internal operations.
is_replica_volume	String	Indicates if this is a read only replica volume.
is_reset_to_defaults	String	Indicates if the values have been reset to their defaults.
is_sis_logging_enabled	String	Indicates if Single Instance Storage (SIS) is enabled on the volume and fingerprints of newly-written data are being logged.
is_sis_volume	String	Indicates if the volume contains shared (deduplication, file clones) or compressed data.
is_snap_clone_depend_enabled	String	Indicates if all initial and intermediate backing snapshots are unlocked for all inactive LUN clones.
is_snap_dir_access_enabled	String	Indicates if enable the visible .snapshot directory that is normally present at system internal mount points.
is_snapdiff_enabled	String	Indicates if SnapDiff is enabled.
is_space_guarantee_enabled	String	Indicates if the storage guarantee associated with the flexible volume is currently in effect.
is_unrecoverable	String	Indicates if there is known inconsistency in the associated file system and it is not recoverable. This field is valid only for flexible volumes.
is_volume_in_cutover	String	Indicates if this volume is moving from one aggregate to another aggregate in the cluster and is in cutover phase.
is_vserver_root	String	Indicates if this volume is the namespace root volume of the Vserver which owns this volume. The default value is false.
junction_parent_volume_id	Number	Parent volume name that contains the junction inode of this volume.
junction_parent_volume_name	String	Parent volume name that contains the junction inode of this volume.

junction_path	String	Junction Path at which the cluser-mode volume is mounted.
l_comment	String	A description for the volume.
l_trigger	String	Indicates the condition in which snapshots were automatically deleted.
language	String	Volume's fully-qualified language mapping, in the form: LanguageCode (Full Name).
language_code	String	The volume's language code (e.g. 'en_US').Volume language can be specified using 'language-code' parameter.
last_updated	Date	Date and time the NetApp Cluster volume data was last updated in the database.
max_data_constituent_size_gb	Number	Maximum size of each data constituent in bytes.
max_data_constituent_size_kb	Number	Maximum size of each data constituent in bytes.
max_dir_size_gb	Number	Maximum size (in bytes) to which any directory in this volume can grow.
max_dir_size_kb	Number	Maximum size (in bytes) to which any directory in this volume can grow.
max_namespace_constituent_gb	Number	Maximum size of the namespace constituent. The default value is 10TB.
max_namespace_constituent_kb	Number	Maximum size of the namespace constituent. The default value is 10TB.
max_size_gb	Number	The maximum size (in bytes) to which the volume would be grown automatically.
max_size_kb	Number	The maximum size (in bytes) to which the volume would be grown automatically.
max_write_alloc_blocks	Number	The maximum number of blocks used for write allocation.
min_reserve_gb	Number	Amount of space requested to be preallocated in the aggregate hosting the FlexCache volume.
min_reserve_kb	Number	Amount of space requested to be preallocated in the aggregate hosting the FlexCache volume.
min_size_gb	Number	Minimum size (in bytes) below which the volume would not be shrunk automatically.
min_size_kb	Number	Minimum size (in bytes) below which the volume would not be shrunk automatically.
ms_id	Number	Mirror Set ID for the Cluster-Mode volume.
name_ordinal	String	Ordinal assignment used in relation to this volume's name.
namespace_mirror_aggr_list	String	Specifies the list of names of aggregates to be used for Infinite Volume Namespace Mirror constituents.
nbr_of_cifs_shares	Number	Number of CIFS shares in the volume.
nbr_of_clone_child	Number	Number of clones for which this volume is the parent.
nbr_of_indoes_user_files	Number	Number of inodes that can currently be stored on disk for user-visible files.
nbr_of_inodes_system_files	Number	Number of inodes that can currently be stored on disk for system (not user-visible) files.
nbr_of_luns	Number	Number of LUNs in the volume.
nbr_of_nfs_exports	Number	Number of NFS exports in the volume.
nbr_of_qtrees	Number	Number of QTrees in the volume.
nbr_of_snapshot	Number	Number of Snapshot copies in the volume.

nbr_of_snapshots	Number	Number of snapshots in the volume.
nbr_of_system_files_used	Number	Number of system (not user-visible) files (inodes) used. This field is valid only when the volume is online.
nbr_of_user_files	Number	Total user-visible file (inode) count.
nbr_of_user_files_used	Number	Number of user-visible files (inodes) used.
nfs_character_set	String	NFS character set.
ntc_aggregate_id	Number	Name of the aggregate in which the given flexible volume resides.
ntc_cache_policy_id	Number	Name of the cache policy.
ntc_export_policy_id	Number	Name of export policy to be used by NFS/CIFS protocols.
ntc_snapshot_policy_id	Number	Name of the snapshot policy.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_volume_id	Number	Name of the volume for which the space usage is requested
ntc_vserver_id	Number	The name of the Vserver that owns this volume.
oem_character_set	String	The OEM language mapping character set that is currently in effect for the volume.
origin_volume_id	Number	Name of the origin volume that contains the authoritative data.
overwrite_reserve_gb	Number	Size (in bytes) that is reserved for overwriting snapshotted data in an otherwise full volume.
overwrite_reserve_kb	Number	Size (in bytes) that is reserved for overwriting snapshotted data in an otherwise full volume.
overwrite_reserve_required_gb	Number	Reserved size (in bytes) that is required to ensure that the reserved space is sufficient to allow all space-reserved files and LUNs to be overwritten when the volume is full.
overwrite_reserve_required_kb	Number	Reserved size (in bytes) that is required to ensure that the reserved space is sufficient to allow all space-reserved files and LUNs to be overwritten when the volume is full.
overwrite_reserve_used_act_gb	Number	This value can exceed the value of overwrite reserve required, as the filer maintains a small hidden reserve.
overwrite_reserve_used_act_kb	Number	This value can exceed the value of overwrite reserve required, as the filer maintains a small hidden reserve.
overwrite_reserve_used_gb	Number	The reserved size (in bytes) that is not available for new overwrites.
overwrite_reserve_used_kb	Number	The reserved size (in bytes) that is not available for new overwrites.
prefix	String	Provides the prefix string for the prefix field value of the defer-delete option.
provenance_uuid	String	Universally unique identifier (UUID) for the volume, used to identify the source volume in a mirroring relationship.
qos_policy_group_name	String	QoS policy group associated with this volume.
quota_metafiles_pct	Number	Space used by quota metafiles, as a percentage of the volume size.
read_realloc	String	Controls whether application reads optimize the layout of parts of a file or LUN, after the data has been read from disk and is in the controller's memory.
redirect_snapshot_id	Number	If the volume is a logical mirror destination or is in the process of being made one, this field indicates the logical-id of the snapshot to which clients are to be redirected.
root_dir_gen_nbr	String	Generation number of the root directory.

shrink_threshold_pct	Number	Used space threshold below which autoshrink is triggered.
size_available_gb	Number	Size (in bytes) that is still available in the volume.
size_available_kb	Number	Size (in bytes) that is still available in the volume.
size_available_snapshots_gb	Number	Total free space (in bytes) available in the volume and the snapshot reserve.
size_available_snapshots_kb	Number	Total free space (in bytes) available in the volume and the snapshot reserve.
size_gb	Number	File system size (in bytes) of the volume.
size_kb	Number	File system size (in bytes) of the volume.
size_total_gb	Number	Total usable size (in bytes) of the volume, not including Write Anywhere File Layout (WAFL) reserve or volume snapshot reserve.
size_total_kb	Number	Total usable size (in bytes) of the volume, not including Write Anywhere File Layout (WAFL) reserve or volume snapshot reserve.
size_used_gb	Number	Size (in bytes) that is used in the volume.
size_used_kb	Number	Size (in bytes) that is used in the volume.
size_used_pct	Number	Percentage of the volume size that is used.
size_used_snapshots_gb	Number	Size (in bytes) that is used by snapshots in the volume.
size_used_snapshots_kb	Number	Size (in bytes) that is used by snapshots in the volume.
snapmirror_metadata_gb	Number	Space used by metafiles during SnapMirror operations, in bytes.
snapmirror_metadata_kb	Number	Space used by metafiles during SnapMirror operations, in bytes.
snapmirror_metadata_pct	Number	Space used by metafiles during SnapMirror operations, as a percentage of the volume size.
snapshot_policy_name	String	Snapshot policy name
snapshot_reserve_gb	Number	Size (in bytes) in the volume that has been set aside as reserve for snapshot usage.
snapshot_reserve_kb	Number	Size (in bytes) in the volume that has been set aside as reserve for snapshot usage.
snapshot_reserve_pct	Number	Snapshot reserve as a percentage of the volume size.
snapshot_reserve_size_gb	Number	Size (in bytes) in the volume that has been set aside as reserve for snapshot usage.
snapshot_reserve_size_kb	Number	Size (in bytes) in the volume that has been set aside as reserve for snapshot usage.
snapshot_reserve_used_pct	Number	Percentage of the volume reserved for snapshots that has been used.
snapshot_spill_gb	Number	Space used by Snapshot copies when it exceeds the size of the Snapshot reserve in bytes.
snapshot_spill_kb	Number	Space used by Snapshot copies when it exceeds the size of the Snapshot reserve in bytes.
snapshot_spill_pct	Number	Snapshot spill as a percentage of the volume size.
space_full_threshold_pct	Number	Defines the used space threshold percentage at which EMS critical volume fullness errors will be generated. The default value is 98%.
space_guarantee	String	Storage guarantee option associated with the flexible volume.
space_near_full_threshold_pct	Number	Defines the used space threshold percentage at which EMS volume fullness warnings will be generated.

storage_service_name	String	Name of the initial storage service for the Infinite Volume.
style	String	Security style associated with this volume.
tape_backup_metadata_gb	Number	Tape backup metadata in bytes.
tape_backup_metadata_kb	Number	Tape backup metadata in bytes.
tape_backup_metadata_pct	Number	Tape backup metadata as a percentage of the volume size.
target_free_space_pct	Number	Indicates when snapshot autodelete should stop deleting snapshots.
total_saved_gb	Number	Total space saved (in bytes) in the volume due to deduplication, compression, and file cloning.
total_saved_kb	Number	Total space saved (in bytes) in the volume due to deduplication, compression, and file cloning.
total_saved_pct	Number	Percentage of total disk space that is saved by compressing blocks, deduplication and file cloning.
total_used_gb	Number	Total used space in the volume including snapshot reserve in bytes.
total_used_kb	Number	Total used space in the volume including snapshot reserve in bytes.
total_used_pct	Number	Total used space in the volume including snapshot reserve as a percentage of the volume size.
unix_group_id	Number	The Unix group ID for the volume. The default value is 0 (root).
unix_permissions	String	Unix permission bits in octal string format.
unix_user_id	Number	The Unix user ID for the volume. The default value is 0 (root).
user_data_gb	Number	This field represents user data in bytes. Alternatively, this is the space reserved to overwrite the data in the volume.
user_data_kb	Number	This field represents user data in bytes. Alternatively, this is the space reserved to overwrite the data in the volume.
user_data_pct	Number	User data as a percentage of the volume size.
vm_align_sector	Number	The Virtual Machine alignment 512-byte sector number.
vm_align_suffix	String	The Virtual Machine alignment suffix.
volume_mode	String	Current mode of the operation of volume autosize.
volume_name	String	Volume name
volume_state	String	Volume state.
volume_style	String	The style of the volume.
volume_type	String	The type of the volume.
volume_uuid	String	Universally unique identifier (UUID) for this volume.
vserver_name	String	Vserver name
writecache_ineligiblity_reason	String	If the volume cannot participate in write caching, then this field explains the reason.

aps_v_ntc_volume_clone *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Volume Clone.

Column Name	Data Type	Description
aggregate_name	String	Aggregate name
array_name	String	Array name
creation_date	Date	The date and time the NetApp Cluster-Mode volume clone data was created in the database.
ds_id	Number	Data set ID of the FlexClone volume.
flexclone_volume_state	String	FlexClone volume state.
inode_complete_pct	Number	Percentage of Inode processing complete.
is_junction_active	String	Indicates if the volume's junction path is active.
is_space_guarantee_enabled	String	Indicates if a space guarantee is in effect.
junction_path	String	The junction path at which the new FlexClone clone volume should be mounted.
last_updated	Date	The date and time the NetApp Cluster-Mode volume clone data was last updated in the database.
ms_id	Number	Master Data Set ID of FlexClone volume
nbr_of_processed_inodes	Number	Total Inodes to be processed during clone splitting.
nbr_of_total_inodes	Number	Total Inodes to be processed during clone splitting.
ntc_aggregate_id	Number	Aggregate containing the FlexClone volume.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_volume_clone_id	Number	Volume Clone ID, for internal use by the database.
ntc_volume_id	Number	The name of the volume.
ntc_vserver_id	Number	The name of the vServer.
parent_snapshot	String	The name of the parent snapshot from which the FlexClone clone volume is derived.
parent_volume_id	Number	The name of parent volume from which the FlexClone clone volume is derived.
parent_volume_name	String	Parent volume name.
qos_policy_group_name	String	QoS policy group assigned to the FlexClone volume.
scanned_blocks	Number	Total number of blocks scanned for clone splitting.
space_reserve	String	Space-reservation policy.
split_estimate_gb	Number	Estimate of free disk space required to split a FlexClone volume from a parent volume.

split_estimate_kb	Number	Estimate of free disk space required to split a FlexClone volume from a parent volume.
total_size_gb	Number	Total size of FlexClone volume.
total_size_kb	Number	Total size of FlexClone volume.
updated_blocks	Number	Total number of blocks updated for clone splitting.
used_size_gb	Number	Information about the amount of used space.
used_size_kb	Number	Information about the amount of used space.
volume_name	String	Volume name
volume_type	String	Type of the volume to be created.
vserver_name	String	Vserver name

aps_v_ntc_volume_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Volume Log.

Column Name	Data Type	Description
array_name	String	Array name
compress_saved_gb	Number	Total disk space (in bytes) saved by compressing blocks on the referenced file system.
compress_saved_kb	Number	Total disk space (in bytes) saved by compressing blocks on the referenced file system.
dedup_metafiles_gb	Number	Represents space used by deduplication metafiles in bytes.
dedup_metafiles_kb	Number	Represents space used by deduplication metafiles in bytes.
dedup_metafiles_temp_gb	Number	Represents space used by temporary deduplication metafiles in bytes.
dedup_metafiles_temp_kb	Number	Represents space used by temporary deduplication metafiles in bytes.
dedup_save_gb	Number	Total disk space (in bytes) saved by deduplication and file cloning.
dedup_save_kb	Number	Total disk space (in bytes) saved by deduplication and file cloning.
dedup_shared_gb	Number	Total disk space shared due to deduplication and file cloning.
dedup_shared_kb	Number	Total disk space shared due to deduplication and file cloning.
file_system_size_gb	Number	File system size (in bytes) of the volume. This is the total usable size of the volume, not including WAFL (write anywhere fle layout) reserve.
file_system_size_kb	Number	File system size (in bytes) of the volume. This is the total usable size of the volume, not including WAFL (write anywhere fle layout) reserve.
filesystem_metadata_gb	Number	Represents volume file system metadata in bytes.
filesystem_metadata_kb	Number	Represents volume file system metadata in bytes.
increment_size_gb	Number	Increment size (in bytes) by which the volume is grown.

increment_size_kb	Number	Increment size (in bytes) by which the volume is grown.
inodes_metadata_gb	Number	Space used by inode metadata in bytes.
inodes_metadata_kb	Number	Space used by inode metadata in bytes.
log_date	Date	The date and time the volume history samples were collected. For NetApp Cluster, this is set to the start of the performance collection for all samples.
max_data_constituent_size_gb	Number	Maximum size of each data constituent in bytes.
max_data_constituent_size_kb	Number	Maximum size of each data constituent in bytes.
max_dir_size_gb	Number	Maximum size (in bytes) to which any directory in this volume can grow.
max_dir_size_kb	Number	Maximum size (in bytes) to which any directory in this volume can grow.
max_namespace_constituent_gb	Number	Maximum size of the namespace constituent. The default value is 10TB.
max_namespace_constituent_kb	Number	Maximum size of the namespace constituent. The default value is 10TB.
max_size_gb	Number	The maximum size (in bytes) to which the volume would be grown automatically.
max_size_kb	Number	The maximum size (in bytes) to which the volume would be grown automatically.
min_reserve_gb	Number	Amount of space requested to be preallocated in the aggregate hosting the FlexCache volume.
min_reserve_kb	Number	Amount of space requested to be preallocated in the aggregate hosting the FlexCache volume.
min_size_gb	Number	Minimum size (in bytes) below which the volume would not be shrunk automatically.
min_size_kb	Number	Minimum size (in bytes) below which the volume would not be shrunk automatically.
nbr_of_cifs_shares	Number	Number of CIFS shares in the volume.
nbr_of_clone_child	Number	Number of clones for which this volume is the parent.
nbr_of_indoes_user_files	Number	Number of inodes that can currently be stored on disk for user-visible files.
nbr_of_inodes_system_files	Number	Number of inodes that can currently be stored on disk for system (not user-visible) files.
nbr_of_luns	Number	Number of LUNs in the volume.
nbr_of_nfs_exports	Number	Number of NFS exports in the volume.
nbr_of_qtrees	Number	Number of QTrees in the volume.
nbr_of_snapshot	Number	Number of Snapshot copies in the volume.
nbr_of_snapshots	Number	Number of snapshots in the volume.
nbr_of_system_files_used	Number	Number of system (not user-visible) files (inodes) used. This field is valid only when the volume is online.
nbr_of_user_files	Number	Number of user-visible files (inodes) used.
nbr_of_user_files_used	Number	Number of user-visible files (inodes) used.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_volume_id	Number	Name of the volume for which the space usage is requested

overwrite_reserve_gb	Number	Size (in bytes) that is reserved for overwriting snapshotted data in an otherwise full volume.
overwrite_reserve_kb	Number	Size (in bytes) that is reserved for overwriting snapshotted data in an otherwise full volume.
overwrite_reserve_required_gb	Number	Reserved size (in bytes) that is required to ensure that the reserved space is sufficient to allow all space-reserved files and LUNs to be overwritten when the volume is full.
overwrite_reserve_required_kb	Number	Reserved size (in bytes) that is required to ensure that the reserved space is sufficient to allow all space-reserved files and LUNs to be overwritten when the volume is full.
overwrite_reserve_used_act_gb	Number	This value can exceed the value of overwrite reserve required, as the filer maintains a small hidden reserve.
overwrite_reserve_used_act_kb	Number	This value can exceed the value of overwrite reserve required, as the filer maintains a small hidden reserve.
overwrite_reserve_used_gb	Number	The reserved size (in bytes) that is not available for new overwrites.
overwrite_reserve_used_kb	Number	The reserved size (in bytes) that is not available for new overwrites.
size_available_gb	Number	Size (in bytes) that is still available in the volume.
size_available_kb	Number	Size (in bytes) that is still available in the volume.
size_available_snapshots_gb	Number	Total free space (in bytes) available in the volume and the snapshot reserve.
size_available_snapshots_kb	Number	Total free space (in bytes) available in the volume and the snapshot reserve.
size_gb	Number	File system size (in bytes) of the volume.
size_kb	Number	File system size (in bytes) of the volume.
size_total_gb	Number	Total usable size (in bytes) of the volume, not including WAFL (write anywhere fle layout) reserve or volume snapshot reserve.
size_total_kb	Number	Total usable size (in bytes) of the volume, not including WAFL (write anywhere fle layout) reserve or volume snapshot reserve.
size_used_gb	Number	Size (in bytes) that is used in the volume.
size_used_kb	Number	Size (in bytes) that is used in the volume.
size_used_snapshots_gb	Number	Size (in bytes) that is used by snapshots in the volume.
size_used_snapshots_kb	Number	Size (in bytes) that is used by snapshots in the volume.
snapmirror_metadata_gb	Number	Space used by metafiles during SnapMirror operations, in bytes.
snapmirror_metadata_kb	Number	Space used by metafiles during SnapMirror operations, in bytes.
snapshot_reserve_gb	Number	Size (in bytes) in the volume that has been set aside as reserve for snapshot usage.
snapshot_reserve_kb	Number	Size (in bytes) in the volume that has been set aside as reserve for snapshot usage.
snapshot_reserve_size_gb	Number	Size (in bytes) in the volume that has been set aside as reserve for snapshot usage.
snapshot_reserve_size_kb	Number	Size (in bytes) in the volume that has been set aside as reserve for snapshot usage.
snapshot_spill_gb	Number	Space used by Snapshot copies when it exceeds the size of the Snapshot reserve in bytes.
snapshot_spill_kb	Number	Space used by Snapshot copies when it exceeds the size of the Snapshot reserve in bytes.
tape_backup_metadata_gb	Number	Tape backup metadata in bytes.

tape_backup_metadata_kb	Number	Tape backup metadata in bytes.
total_saved_gb	Number	Total space saved (in bytes) in the volume due to deduplication, compression, and file cloning.
total_saved_kb	Number	Total space saved (in bytes) in the volume due to deduplication, compression, and file cloning.
total_used_gb	Number	Total used space in the volume including snapshot reserve in bytes.
total_used_kb	Number	Total used space in the volume including snapshot reserve in bytes.
user_data_gb	Number	This field represents user data in bytes. Alternatively, this is the space reserved to overwrite the data in the volume.
user_data_kb	Number	This field represents user data in bytes. Alternatively, this is the space reserved to overwrite the data in the volume.
volume_name	String	Volume name

aps_v_ntc_volume_move *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Volume Move.

Column Name	Data Type	Description
actual_complete_timestamp	Date	The date and time in the cluster's time zone when the volume move completed (successfully or otherwise).
actual_duration	Date	Duration in days, hours, minutes and seconds for which the volume move was or is in progress.
array_name	String	Array name
complete_pct	Number	Amount of work to move the volume completed thus far in terms of percentage.
completion_code	Number	Status code of the move operation. The status code will be 0 while the job is running or is successful.
completion_status	String	Once a volume move is complete, the final state of the volume move operation. This is available in diag mode only.
creation_date	Date	The date and time the NetApp Cluster-Mode volume move data was created in the database.
cutover_action	String	Action to be taken for cutover or during cutover failure.
cutover_trigger_timestamp	Date	Time when move operation last accepted a trigger to initiate cutover.
cutover_window_sec	Number	Time window, in seconds, given as input for the cutover phase of volume move.
destination_aggregate_id	Number	Name of the aggregate where the volume is being moved.
destination_aggregate_name	String	Name of the aggregate where the volume is being moved.
destination_node_id	Number	Name of the node where the destination aggregate is. This will be a diagnostic only field.
destination_node_name	String	The name of the node where the destination aggregate is located.
estimated_complete_time	Date	Approximate date and time in the cluster's time zone when the entire volume move operation is expected to complete.
estimated_remaining_duration	Date	The approximate amount of time remaining to complete the volume move (in days, hours, minutes and seconds).
execution_progress	String	Progress of the job as reported by the job.

internal_state	String	Actual internal state of the move job.
job_id	Number	Job ID of the move job.
job_uuid	String	Universally unique identifier (UUID) of the move job.
last_cutover_trigger_timestamp	Date	The time when move the operation initiated cutover.
last_updated	Date	The date and time the NetApp Cluster-Mode volume move data was last updated in the database.
managing_node_id	Number	Node in the cluster on which the move operation or job is/was running.
managing_node_name	String	Managing node name
max_of_cutover_attempts	Number	Number of attempts to be used by the move operation to cutover to the destination volume.
move_operation_details	String	Details about any warnings, errors, and the state of the move operation.
mover_operation_phase	String	The phase of the move operation.
nbr_of_cutover_attempted	Number	Number of times cutover has been attempted during the move operation.
nbr_of_cutover_hard_deferred	Number	Number of times cutover has been hard-deferred during the move operation due to non-transient conditions that required interventions.
nbr_of_cutover_soft_deferred	Number	Number of times cutover has been soft-deferred during the move operation, due to transient conditions.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_volume_id	Number	Name of the Vserver-scoped volume being moved.
ntc_vserver_id	Number	Name of the Vserver associated with the volume being moved.
prior_issues	String	The list of issues or transient errors encountered causing the move operation to retry the data copy phase or the cutover phase.
remaining_gb	Number	The number of bytes remaining to be sent during volume move.
remaining_kb	Number	The number of bytes remaining to be sent during volume move.
replication_throughput	String	The current replication throughput of the move operation in Kb/s, Mb/s or Gb/s.
sent_gb	Number	The number of bytes sent thus far as part of a volume move.
sent_kb	Number	The number of bytes sent thus far as part of a volume move.
source_aggregate_id	Number	Name of the aggregate where the volume being moved resides or originally resided.
source_aggregate_name	String	Name of the aggregate where the volume being moved resides or originally resided.
source_node_id	Number	Name of the node where the source aggregate is located.
source_node_name	String	Name of the node where the source aggregate is located.
start_timestamp	Date	The date and time in cluster's time zone when the volume move started.
volume_move_state	String	The state of the volume move at the time of issuing the command and the system gathering up the information about the move.
volume_name	String	Volume name
vserver_name	String	Vserver name

aps_v_ntc_volume_perform_log *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Volume Performance Log.

Column Name	Data Type	Description
array_name	String	Array name
avg_latency_ms	Number	Average latency in microseconds for the WAFL (Write Anywhere File Layout) file system to process all the operations on the volume; not including request processing or network communication time.
avg_other_latency_ms	Number	Average latency in microseconds for the WAFL (Write Anywhere File Layout) file system to process other operations to the volume; does not include request processing or network communication time.
cum_interval_sec	Number	Time interval, in seconds, for which the NetApp Cluster-Mode volume performance history data was collected.
interval_type	String	Interval type of the volume performance history collection.
log_date	Date	Timestamp at which the performance data was collected.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_volume_id	Number	Instance name
ntc_vserver_id	Number	Vserver ID, for internal use by the database.
other_ops	Number	Number of other operations per second to the volume.
read_bps	Number	Bytes read per second from the volume.
read_latency_ms	Number	Average latency in microseconds for the WAFL (Write Anywhere File Layout) file system to process read requests.
read_ops	Number	Number of reads per second to the volume
total_ops	Number	Number of operations per second serviced by the volume.
volume_name	String	Volume name
vserver_name	String	Vserver name
write_bps	Number	Bytes written per second to the volume.
write_latency_ms	Number	Average latency in microseconds for the WAFL (Write Anywhere File Layout) file system to process write request to the volume; not including request processing or network communication time.
write_ops	Number	Number of writes per second to the volume.

aps_v_ntc_vserver *(NetApp Cluster-Mode Views)*

Contains a single row for each NetApp Cluster Vserver.

Column Name	Data Type	Description
allowed_protocols	String	Vserver protocols.
antivirus_on_access_policy	String	Antivirus on access policy for the Vserver.
array_name	String	Array name
array_port_id	Number	Name of the port.
creation_date	Date	The date and time the NetApp Cluster-Mode Vserver data was created in the database.
disallowed_protocols	String	Protocols not allowed for this Vserver.
is_iscsi_service_running	String	True if the iSCSI Service is running, false otherwise.
is_repository_vserver	String	Specifies if this Vserver is a Vserver with Infinite Volume.
iscsi_target_alias_name	String	The iSCSI target alias of the Vserver.
language	String	Language to use for the Vserver. Default: C.UTF-8.
last_updated	Date	The date and time the NetApp Cluster Vserver data was last updated in the database.
ldap_domain	String	LDAP client configuration details.
max_volumes	String	Maximum number of volumes that can be created on the Vserver.
name_mapping_switch	String	Name mapping switch configuration details for the Vserver.
name_server_switch	String	Name server switch configuration details for the Vserver.
nis_domain	String	NIS domain configuration details for the Vserver.
ntc_storage_system_id	Number	Storage system ID, for internal use by the database.
ntc_vserver_id	Number	Vserver ID, for internal use by the database.
port_name	String	Port name
qos_policy_group	String	The QoS policy group associated with this volume. This optionally specifies which QoS policy group to apply to the Vserver.
quota_policy	String	Quota policy for the Vserver.
root_volume_aggregate_id	Number	The aggregate on which the root volume will be created.
root_volume_aggregate_name	String	Root volume aggregate name
root_volume_id	Number	Root Volume ID, for internal use by the database.
root_volume_name	String	Root volume of the Vserver.
root_volume_security_style	String	Security style of the root volume.
snapshot_policy	String	Default snapshot policy setting for all volumes of the Vserver.
vserver_comment	String	Comments associated with the Vserver.
vserver_name	String	Vserver name

vserver_state	String	State of the Vserver. Indicates the data-serving ability of a Vserver; therefore it is applicable only for Data Vservers.
vserver_type	String	Type of Vserver.
vserver_uuid	String	Universal unique identifier (UUID) for the Vserver.

NetApp E-Series Views (Go to Top)

aps_v_ibm_storage_subsystem aps_v_ibm_subsys_disk aps_v_ibm_subsys_logical_drive
aps_v_ibm_subsys_array

aps_v_ibm_storage_subsystem *(NetApp E-Series Views)*

Contains a single row for each IBM storage subsystem.

Column Name	Data Type	Description
cache_memory_gb	Number	Cache Memory in GiB
cache_memory_kb	Number	Cache Memory in KiB
config_allocated_gb	Number	Allocated configured capacity in GiB
config_allocated_kb	Number	Allocated configured capacity in KiB
config_available_gb	Number	Available configured capacity in GiB
config_available_kb	Number	Available configured capacity in KiB
config_capacity_gb	Number	Total configured capacity in GiB
config_capacity_kb	Number	Total configured capacity in KiB
device_manager_id	Number	Foreign key to device manager details
domain_id	Number	foreign key to domain details
domain_name	String	Domain name
firmware_version	String	Firmware version
ibms_storage_subsystem_id	Number	Foreign key to IBM storage subsystem details
is_active	String	Y=Yes, N=No
last_updated	Date	last updated date
model	String	Model
nbr_allocated_luns	Number	Number of allocated logical drives

nbr_of_controller	Number	Number of controllers
nbr_of_drive	Number	Number of drives
nbr_of_logical_drive	Number	Number of logical drives
nbr_of_logical_drive_group	Number	Number of logical drive groups
nvsram_version	String	NVSRAM version
product_name	String	Product name
raw_allocated_gb	Number	Allocated raw capacity in GiB
raw_allocated_kb	Number	Allocated raw capacity in KiB
raw_available_gb	Number	Available raw capacity in GiB
raw_available_kb	Number	Available raw capacity in KiB
raw_capacity_gb	Number	Total raw capacity in GiB
raw_capacity_kb	Number	Total raw capacity in KiB
system_family	String	System family
system_id	String	Storage Subsystem world-wide identifier (ID)
system_name	String	System name
system_type	String	System type

aps_v_ibm_subsys_array *(NetApp E-Series Views)*

Contains a single row for each IBM subsystem array.

Column Name	Data Type	Description
array_name	String	name of the array
array_status	String	status of the array
available_size_gb	Number	Available capacity of the Array in GiB
available_size_kb	Number	Available capacity of the Array in KiB
ibms_array_id	Number	Foreign key to array details
ibms_storage_subsystem_id	Number	Foreign key to IBM storage subsystem details
last_updated	Date	last updated date
raid_level	Number	RAID level of the array
system_name	String	System name

total_size_gb	Number	Total capacity of the Array in GiB
total_size_kb	Number	Total capacity of the Array in KiB

aps_v_ibm_subsys_disk *(NetApp E-Series Views)*

Contains a single row for each IBM subsystem physical disk.

Column Name	Data Type	Description
array_name	String	name of the array
cur_data_rate	Number	Current data rate of the disk
disk_id	String	World-wide identifier
disk_mode	String	whether the disk is assigned or not
disk_slot	Number	Disk slot
disk_speed	Number	RPM of the disk
disk_status	String	status of the disk
drive_type	String	Drive type of the disk
enclosure	Number	Enclosure where the drive resides
firmware_version	String	Firmware version
ibms_array_id	Number	Foreign key to array details
ibms_physical_disk_id	Number	Foreign key to physical disk details
ibms_storage_subsystem_id	Number	Foreign key to IBM storage subsystem details
last_updated	Date	last updated date
product_id	String	Product ID
raw_capacity_gb	Number	Raw capacity in GiB
raw_capacity_kb	Number	Raw capacity in KiB
serial_nbr	String	Serial number
system_name	String	System name
usable_capacity_gb	Number	Usable capacity in GiB
usable_capacity_kb	Number	Usable capacity in KiB
vendor	String	vendor of the disk

aps_v_ibm_subsys_logical_drive *(NetApp E-Series Views)*

Contains a single row for each IBM subsystem logical drive.

Column Name	Data Type	Description
array_name	String	name of the array
current_owner	String	Current owner of the logical drive
drive_type	String	Drive type
ibms_array_id	Number	Foreign key to array details
ibms_logical_drive_id	Number	Foreign key to logical drive details
ibms_storage_subsystem_id	Number	Foreign key to IBM storage subsystem details
is_encl_loss_protection	Number	Y=Yes, N=No
last_updated	Date	last updated date
ldrive_id	String	Logical Drive world-wide identifier
logical_drive_name	String	Logical drive name
logical_drive_status	String	Logical drive status
prefer_owner	String	Preferred owner
raid_level	Number	RAID level
segment_size_gb	Number	segment size in GiB
segment_size_kb	Number	segment size in KiB
size_gb	Number	Total capacity of the logical drive in GiB
size_kb	Number	Total capacity of the logical drive
ssid	Number	Subsystem ID
system_name	String	System name

OpenStack Swift Views (Go to Top)

aps_v_oss_account
aps_v_oss_account_log
aps_v_oss_container
aps_v_oss_container_log
aps_v_oss_device
aps_v_oss_map_user_tenant
aps_v_oss_meta_data_account
aps_v_oss_node
aps_v_oss_storage_pol_stat_log
aps_v_oss_storage_pol_stats
aps_v_oss_storage_system
aps_v_oss_tenant
aps_v_oss_user

aps_v_oss_account *(OpenStack Swift Views)*

Contains a row for each account

Column Name	Data Type	Description
account_identifier	String	The unique ID of the account, as collected from OpenStack Swift
array_name	String	Name of the array
container_count	Number	The number of containers in the OpenStack Swift account
created_timestamp	Date	The time and date, when the account was initially created
creation_date	Date	The date and time the OpenStack Swift account data was created in the database
last_updated	Date	The date and time the OpenStack Swift account data was last updated in the database
object_count	Number	The number of objects in the OpenStack Swift account
oss_account_id	Number	OpenStack Swift Account ID, for internal use by the database
oss_storage_system_id	Number	Storage system ID, for internal use by the database
oss_tenant_id	Number	ID of the OpenStack Swift tenant/account
quota_gb	Number	Quota in GiB
quota_kb	Number	Quota collected in bytes and converted to KiB
tenant_identifier	String	ID of the tenant/account, as collected from OpenStack Swift
used_gb	Number	Amount of space currently used by the object store in GiB
used_kb	Number	Amount of space currently used by the object store in KiB

aps_v_oss_account_log *(OpenStack Swift Views)*

Contains a row for each account log

Column Name	Data Type	Description
account_identifier	String	The unique ID of the account, as collected from OpenStack Swift
array_name	String	Name of the array
container_count	Number	The number of containers in the OpenStack Swift account
log_date	Date	The date and time the samples were collected
object_count	Number	The number of objects in the OpenStack Swift account
oss_account_id	Number	OpenStack Swift Account ID, for internal use by the database
oss_storage_system_id	Number	Storage system ID, for internal use by the database
used_gb	Number	Amount of space currently used by the object store in GiB
used_kb	Number	Amount of space currently used by the object store in KiB

aps_v_oss_container *(OpenStack Swift Views)*

Contains a row for each container

Column Name	Data Type	Description
account_identifier	String	The unique ID of the account, as collected from OpenStack Swift
array_name	String	Name of the array
container_name	String	The name of the container. The same name can be used for containers in different accounts
created_timestamp	Date	The time and date, when the container was initially created as a current version
creation_date	Date	The date and time the OpenStack Swift container data was created in the database
last_updated	Date	The date and time the OpenStack Swift container data was last updated in the database
object_count	Number	The number of objects in the OpenStack Swift account
oss_account_id	Number	A foreign key reference to the OpenStack Swift account data in the database
oss_container_id	Number	OpenStack Swift Container ID, for internal use by the database
oss_storage_policy_id	Number	Name of the storage policy applied to the container
oss_storage_system_id	Number	Storage system ID, for internal use by the database
quota_gb	Number	Quota in GiB
quota_kb	Number	Quota collected in bytes and converted to KiB
storage_policy_name	String	Name of the storage policy
sync_to	String	Indicates the cluster to which the container is syncing

used_gb	Number	Amount of space currently used by the object store in GiB
used_kb	Number	Amount of space currently used by the object store in KiB
versions_location	String	The value of this flag indicates the container where the versions are stored

aps_v_oss_container_log *(OpenStack Swift Views)*

Contains a row for each container log

Column Name	Data Type	Description
array_name	String	Name of the array
container_name	String	The name of the container. The same name can be used for containers in different accounts
log_date	Date	The date and time the samples were collected
object_count	Number	The number of objects in the OpenStack Swift account
oss_container_id	Number	OpenStack Swift Container ID, for internal use by the database
oss_storage_system_id	Number	Storage system ID, for internal use by the database
used_gb	Number	Amount of space currently used by the object store in GiB
used_kb	Number	Amount of space currently used by the object store in KiB

aps_v_oss_device *(OpenStack Swift Views)*

Contains a row for each device

Column Name	Data Type	Description
array_name	String	Name of the array
creation_date	Date	The date and time the OpenStack Swift device data was created in the database
device_name	String	Name of the device
file_system_name	String	Name of the file system
filesystem_id	Number	A foreign key reference to the file system data in database
host_disk_id	Number	Disk name of the device in the host system
last_updated	Date	The date and time the OpenStack Swift device data was last update in the database
node_ip_address	String	IP of the storage/proxy node

oss_device_id	Number	OpenStack Swift device ID, for internal use by the database
oss_node_id	Number	A foreign key reference to the OpenStack Swift node data in the database
oss_storage_system_id	Number	Storage system ID, for internal use by the database
partitions	Number	Number of partitions in the ring
pdev_id	Number	Identifies the physical device
region_identifier	String	Region in which the device resides
volume_partition_id	Number	Volume Partition ID
weight	Number	The weight of the physical device
zone_identifier	String	Zones are used to isolate data and to define device failure boundaries

aps_v_oss_map_user_tenant *(OpenStack Swift Views)*

Contains a row for each user tenant mapping

Column Name	Data Type	Description
array_name	String	Name of the array
creation_date	Date	The date and time the OpenStack Swift user-tenant map data was created in the database
last_updated	Date	The date and time the OpenStack Swift user-tanent map data was last updated in the database
name	String	The name of the OpenStack Swift user
oss_storage_system_id	Number	Storage system ID, for internal use by the database
oss_tenant_id	Number	A foreign key reference to the OpenStack Swift tenant data in the database
oss_user_id	Number	A foreign key reference to the OpenStack Swift user data in the database
role	String	A user's role specifies the level of access that is authorized for the identity
tenant_identifier	String	ID of the tenant/account, as collected from OpenStack Swift
tenant_name	String	Name of the tenant/project
user_identifier	String	User ID, as collected from OpenStack Swift
user_name	String	OpenStack Swift user name

aps_v_oss_meta_data_account *(OpenStack Swift Views)*

Contains a row for each account meta data

Column Name	Data Type	Description
account_identifier	String	The unique ID of the account, as collected from OpenStack Swift
array_name	String	Name of the array
creation_date	Date	The date and time the OpenStack Swift account metadata was created in the database
last_updated	Date	The date and time the OpenStack Swift account metadata was last updated in the database
meta_name	String	Metadata name
meta_value	String	The descriptive information about the account
oss_account_id	Number	A foreign key reference to the OpenStack Swift account database table
oss_meta_data_acc_id	Number	OpenStack Swift metadata account ID, for internal use by the database
oss_storage_system_id	Number	Storage system ID, for internal use by the database

aps_v_oss_node *(OpenStack Swift Views)*

Contains a row for each node

Column Name	Data Type	Description
array_name	String	Name of the array
creation_date	Date	The date and time the OpenStack Swift node was created in the database
host_id	Number	The host ID of the node
is_storage_node	String	Indicates that the host is a storage node
last_updated	Date	The date and time the OpenStack Swift node data was last updated in the database
node_ip_address	String	IP of the storage/proxy node
node_type	String	The type of node, represented by a comma-separated string of services
oss_node_id	Number	OpenStack Swift node ID, for internal use by the database
oss_storage_system_id	Number	Storage system ID, for internal use by the database

aps_v_oss_storage_pol_stat_log *(OpenStack Swift Views)*

Contains a row for each policy statistics log

Column Name	Data Type	Description
array_name	String	Name of the array
container_count	Number	Per-policy container count
log_date	Date	The date and time the samples were collected
object_count	Number	The number of objects in the OpenStack Swift account
oss_storage_policy_id	Number	OpenStack Swift policy ID, for internal use by the database
oss_storage_system_id	Number	Storage system ID, for internal use by the database
storage_policy_name	String	Name of the storage policy
used_gb	Number	Amount of space currently used by the object store in GiB
used_kb	Number	Amount of space currently used by the object store in KiB

aps_v_oss_storage_pol_stats *(OpenStack Swift Views)*

Contains a row for each policy statistics

Column Name	Data Type	Description
account_identifier	String	The unique ID of the account, as collected from OpenStack Swift
array_name	String	Name of the array
container_count	Number	Per-policy container count
creation_date	Date	The date and time the OpenStack Swift policy was created in the database
last_updated	Date	The date and time the OpenStack Swift policy was last updated in the database
object_count	Number	The number of objects in the OpenStack Swift account
oss_account_id	Number	A foreign key reference to the OpenStack Swift account data in the database
oss_storage_policy_id	Number	OpenStack Swift policy ID, for internal use by the database
oss_storage_system_id	Number	Storage system ID, for internal use by the database
storage_policy_name	String	Name of the storage policy
used_gb	Number	Amount of space currently used by the object store in GiB
used_kb	Number	Amount of space currently used by the object store in KiB

aps_v_oss_storage_system *(OpenStack Swift Views)*

Contains a row for each OpenStack Swift storage system

Column Name	Data Type	Description
array_name	String	Name of the array
cluster_ip_address	String	IP address of the cluster, which actually is the IP address of the proxy server
cluster_name	String	Name of the cluster
controller_ip_address	String	IP address of the controller (keystone) node, as entered in the Data Collector policy
creation_date	Date	The date and time the OpenStack Swift storage system data was created in the database
last_updated	Date	The date and time the OpenStack Swift storage system data was last updated in the database
oss_storage_system_id	Number	Storage system ID, for internal use by the database

aps_v_oss_tenant *(OpenStack Swift Views)*

Contains a row for each OpenStack Swift tenant

Column Name	Data Type	Description
array_name	String	Name of the array
creation_date	Date	The date and time the OpenStack Swift tenant data was created in the database
description	String	The description of the tenant, if a description has been provided
is_enabled	String	Indicates if the tenant is enabled
last_updated	Date	The date and time the OpenStack Swift tenant data was last updated in the database
oss_storage_system_id	Number	Storage system ID, for internal use by the database
oss_tenant_id	Number	OpenStack Swift Tenant ID, for internal use by the database
tenant_identifier	String	ID of the tenant/account, as collected from OpenStack Swift
tenant_name	String	Name of the tenant/project

aps_v_oss_user *(OpenStack Swift Views)*

Contains a row for each OpenStack Swift user

Column Name	Data Type	Description
array_name	String	Name of the array
creation_date	Date	The date and time the OpenStack Swift user data was created in the database
email_address	String	Email ID of the user
is_enabled	String	Indicates if the user is enabled
last_updated	Date	The date and time the OpenStack Swift user data was last updated in the database
name	String	The name of the OpenStack Swift user
oss_storage_system_id	Number	Storage system ID, for internal use by the database
oss_user_id	Number	OpenStack Swift User ID, for internal use by the database
user_identifier	String	User ID, as collected from OpenStack Swift
user_name	String	OpenStack Swift user name

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aps_v_swi_alert_ind *(Base Fabric Views)*

Notification generated from switches or providers due to state changes.

Column Name	Data Type	Description
alert_sub_type	String	A string describing the Alert subtype. The Alert Subtypes are: New Login - Login was attempted. Failed Login - Login attempt failed.
alert_type	String	Primary classification of the Indication. The following values are defined: 1 - Other. The Indication's OtherAlertType property conveys its classification.
alerting_admin_domain_type	String	The identifying information for the admin domain (Fabric) for which this indication is generated.
alerting_element_format	String	The format of the AlertingManagedElement property is interpretable based upon the value of this property.
alerting_managed_element_type	String	The identifying information of the entity (ie, the instance) for which this Indication is generated.
debug_level	String	The debug level of this event.
description	String	Textual (ASCII) description of indication.
domain_id	Number	Foreign key to the apt_v_domain view
event_date	Date	The time and date the underlying event was first detected.
event_id	String	An instrumentation or provider specific value that describes the underlying real-world event represented by the Indication.
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
indication_date	Date	The time and date of creation of the Indication.
indication_identifier	String	Unique numeric identifier for indication.
last_updated	Date	Date and time last updated
message	String	The formatted message. This message is constructed by applying the dynamic content of the message, described in MessageArguments, to the format string uniquely identified, within the scope of the OwningEntity, by MessageID.
message_arguments	String	An array containing the dynamic content of the message.
message_id	String	A string that uniquely identifies, within the scope of the OwningEntity, the format of the Message.
node_fc_port_id	Number	Foreign key to the aps_v_swi_node_fc_port view
other_alert_type	String	A string describing the Alert type - used when the AlertType property is set to 1, Other. Other Alert types include notifications that are intended as state change notifications
owning_entity	String	A string that uniquely identifies the entity that owns the definition of the format of the Message described in this instance.

perceived_severity	String	The severity of the event with the following possible values: 0 - Unknown 1 - Other 2 - Information 3 - Degraded/Warning 4 - Minor 5 - Major 6 - Critical 7 - Fatal/NonRecoverable
probable_cause	String	An enumerated value that describes the probable cause of the situation which resulted in the AlertIndication.
provider_name	String	The name of the Provider generating this Indication.
san_id	Number	Foreign key to the aps_v_swi_san view
switch_fc_port_id	Number	Foreign key to the aps_v_swi_switch_fc_port view
switch_id	Number	Foreign key to the aps_v_swi_switch view
system_creation_class_name	String	The scoping System's CreationClassName for the Provider generating this Indication.

aps_v_swi_blade *(Base Fabric Views)*

Physical properties of a blade or an embedded switch.

Column Name	Data Type	Description
blade_id	Number	System generated identifier for the Blade. Primary key in this view.
blade_slot_id	Number	Foreign key to the aps_v_swi_blade_slot view
can_fru	String	Indicates whether the module is customer-replaceable.
chassis_id	Number	Foreign key to the aps_v_swi_chassis view
creation_class_name	String	Indicates the name of the class or the subclass used in the creation of an instance.
device_id	String	Device ID for the Blade
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	A user-friendly name for the object.
is_beacon	String	True if beacon is turned on, false if off, and not populated if not supported .
is_deleted	String	This property identifies if the Blade was deleted or not
is_powered_on	String	Boolean indicating whether the blade is powered on (true), or is currently off (false).
last_updated	Date	Date and time last updated
logical_module_type	Number	Logical Module Type for the Blade

manufactured_date	Date	Date that this physical package was manufactured.
manufacturer	String	The name of the organization responsible for producing the blade.
model	String	The name by which the PhysicalElement is generally known.
module_nbr	Number	Module Number for the Blade
object_id	String	Unique key to identify the object
operational_status	String	Indicates the current statuses of the element.
part_nbr	String	Part number of this package. The part number is assigned by the organization responsible for producing or manufacturing the part.
san_id	Number	Foreign key to the aps_v_swi_san view
serial_nbr	String	Assigned serial number
slot_nbr	Number	Slot number of the element. This property can be null if the blade or WWN card is in a fixed slot.For the WWN card, the Slot number indicates the unit number of the WWN card.
system_creation_class_name	String	The scoping System's CreationClassName.
system_name	String	The scoping system's Name property
tag	String	An arbitrary string that uniquely identifies the physical element and serves as the element's key.
update_date	Date	Date that this physical package was last updated.
vendor_equipment_type	String	The type of blade. Port blades are associated to port modules.

aps_v_swi_blade_slot *(Base Fabric Views)*

Represents a slot on a chassis backplane in which a blade can be inserted.

Column Name	Data Type	Description
blade_slot_id	Number	System generated identifier for the Blade Slot. Primary key in this view.
blade_slot_name	String	The label by which the Blade Slot is known.
chassis_id	Number	Foreign key to the aps_v_swi_chassis view
creation_class_name	String	CreationClassName indicates the name of the class or the subclass used in the creation of an instance.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	A user-friendly name for the object.
fru_nbr	Number	FRU number of the blade which is inserted in the slot.
is_deleted	String	This property identifies if the Blade Slot was deleted or not
last_updated	Date	Date and time last updated

manufacturer	String	The name of the organization responsible for producing the blade Slot.
model	String	The name by which the PhysicalElement is generally known.
object_id	String	Unique key to identify the object
part_nbr	String	The part number assigned by the organization that is responsible for producing or manufacturing the PhysicalElement.
purpose_description	String	A free-form string describing that this slot is physically unique and may hold special types of hardware.
san_id	Number	Foreign key to the aps_v_swi_san view
serial_nbr	String	A manufacturer-allocated number used to identify the Physical Element.
special_purpose	String	Boolean indicating that this Slot is physically unique and may hold special types of hardware, e.g. a graphics processor slot.
tag	String	An arbitrary string that uniquely identifies the slot and serves as its physical key. The Tag property contains the WWN of the license switch (LicenseWWN) and the slot index.
version	String	A string that indicates the version of the PhysicalElement.

aps_v_swi_chassis *(Base Fabric Views)*

Chassis corresponds to an enclosure for various components of a system

Column Name	Data Type	Description
caption	String	The Caption property is a short textual description (one-line string) of the object.
chassis_id	Number	System generated identifier for the Chassis. Primary key in this view.
chassis_name	String	The user-settable symbolic name of the chassis.
chassis_package_type	String	A value indicating the type of chassis.
creation_class_name	String	CreationClassName indicates the name of the class or the subclass used in the creation of an instance.
description	String	The Description property provides a textual description of the object.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	The user-settable symbolic name of the chassis.
is_beacon	String	True if beacon is turned on, false if off and not populated if not supported.
is_deleted	String	This property identifies if the Chassis was deleted or not
last_updated	Date	Date and time last updated
license_wwn	String	WWN associated with the chassis, which is used for licensing.
manufactured_date	Date	Date that this chassis was manufactured.
manufacturer	String	The name of the organization responsible for producing the chassis.

max_nbr_blades	Number	Maximum number of blades that can fit in this physical chassis.
model	String	The name by which the chassis is generally known.
object_id	String	Unique key to identify the object
operational_status	String	Indicates the current statuses of the element.
part_nbr	String	The part number assigned by the organization responsible for producing or manufacturing the physical element.
product_id	Number	Foreign key to the apt_v_swi_product view
removal_condition	String	The RemovalCapabilites property is used to describe the conditions under which a PhysicalPackage can be removed.
san_id	Number	Foreign key to the aps_v_swi_san view
serial_nbr	String	Serial number of the chassis.
tag	String	An arbitrary string that uniquely identifies the chassis and serves as its physical key. The Tag property contains the WWN of the license switch.
update_date	Date	Update date of the chassis
vendor_equipment_type	String	A vendor-specific hardware type for the PhysicalElement. It describes the specific equipment type for the element, as defined by the vendor or manufacturer.
version	String	A string indicating the version of the physical element.

aps_v_swi_chassis_component *(Base Fabric Views)*

Describes the physical characteristics of units that are contained within the chassis

Column Name	Data Type	Description
chassis_component_id	Number	System generated identifier for the Chassis component. Primary key in this view.
chassis_component_name	String	A user-friendly name for the object.
chassis_id	Number	Foreign key to the aps_v_swi_chassis view
creation_class_name	String	Indicates the name of the class or the subclass used in the creation of an instance.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	The user-friendly name for this instance
is_deleted	String	This property identifies if this chassis component was deleted or not.
last_updated	Date	Date and time last updated
manufactured_date	Date	Date that this physical package was manufactured.
manufacturer	String	The name of the organization responsible for producing the component.
model	String	The name by which the component is generally known.
object_id	String	Unique key to identify the object

part_nbr	String	Part number of this package.
san_id	Number	Foreign key to the aps_v_swi_san view
serial_nbr	String	Organization assigned serial number
slot_nbr	Number	Slot number of the element.
tag	String	An arbitrary string that uniquely identifies the physical component and serves as the key.
update_date	Date	Date that this physical package was last updated.
version	String	The OEM/vendor-assigned version number.

aps_v_swi_chassis_fan *(Base Fabric Views)*

Describes a fan that cools components enclosed within the chassis.

Column Name	Data Type	Description
chassis_component_id	Number	Foreign key to the aps_v_swi_chassis_component view
chassis_fan_id	Number	System generated identifier for the Chassis fan. Primary key in this view.
chassis_temp_sensor_id	Number	Foreign key to the aps_v_swi_chassis_temp_sensor view
creation_class_name	String	Indicates the name of the class or the subclass used in the creation of an instance.
device_identifier	String	An address or other identifying information to uniquely name the logical device.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	The user-friendly name for this instance
enabled_state	String	Enabled State is an integer that indicates the enabled and disabled states of an element.
fan_speed	Number	Current FAN speed, in RPM.
health_state	String	Indicates the current health of the element. This attribute expresses the health of this element but not necessarily that of its subcomponents.
is_active_cooling	String	ActiveCooling is a Boolean that indicates that the Cooling Device provides active (as opposed to passive) cooling.
is_deleted	String	This property identifies if this chassis fan was deleted or not
is_variable_speed	String	Indication of whether the fan supports variable speeds.
last_updated	Date	Date and time last updated
object_id	String	Unique key to identify the object
operational_status	String	The operational status of the fan. No Contact indicates that the fan is missing.
san_id	Number	Foreign key to the aps_v_swi_san view
system_creation_class_name	String	The scoping System's CreationClassName.

system_name	String	The scoping system's Name property

aps_v_swi_chassis_power *(Base Fabric Views)*

The power supply supplies power to the system.

Column Name	Data Type	Description
chassis_component_id	Number	Foreign key to the aps_v_swi_chassis_component view
chassis_power_id	Number	System generated identifier for the Chassis power. Primary key in this view.
chassis_temp_sensor_id	Number	Foreign key to the aps_v_swi_chassis_temp_sensor view
creation_class_name	String	Indicates the name of the class or the subclass used in the creation of an instance.
device_identifier	String	Indicates the name of the class or the subclass used in the creation of an instance.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	The user-friendly name for this instance
enabled_state	String	Enabled State is an integer that indicates the enabled and disabled states of an element.
health_state	String	Indicates the current health of the element.
is_deleted	String	This property identifies if this chassis power was deleted or not
last_updated	Date	Date and time last updated
object_id	String	Unique key to identify the object
operational_status	String	The operational status of the powersupply. No Contact (12) indicates that the power supply is missing.
san_id	Number	Foreign key to the aps_v_swi_san view
system_creation_class_name	String	The scoping System's CreationClassName.
system_name	String	The scoping system's Name property
total_output_power	Number	Represents the total output power of the PowerSupply in milliWatts. 0 denotes 'unknown'.

aps_v_swi_chassis_temp_sensor *(Base Fabric Views)*

The sensor monitors the temperature of other components.

Column Name	Data Type	Description

base_units	Number	The base unit of the values returned by this Sensor. All the values returned by this Sensor are represented in the units obtained by (BaseUnits * 10 raised to the power of the UnitModifier).
chassis_temp_sensor_id	Number	System generated identifier for the temperature sensor. Primary key in this view.
creation_class_name	String	Indicates the name of the class or the subclass used in the creation of an instance.
current_reading	Number	Temperature sensor value, in Celsius. This value might not be populated if the sensor is not readable by the switch.
current_state	String	The current state indicated by the Sensor with the following possible values: On Off Open Close Normal Upper Fatal Lower Non-Critical
device_identifier	String	Represents an index number of the sensor within the physical chassis.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	The user-friendly name for this instance
health_state	String	Indicates the current health of the element. This attribute expresses the health of this element but not necessarily that of its subcomponents.
is_deleted	String	This property identifies if this chassis temp sensor was deleted or not
last_updated	Date	Date and time last updated
object_id	String	Unique key to identify the object
operational_status	String	The operational status of the temperature sensor. No Contact indicates that the sensor is missing
san_id	Number	Foreign key to the aps_v_swi_san view
sensor_type	String	The type of the sensor, (for example, voltage or temperature sensor).
system_creation_class_name	String	The scoping System's CreationClassName.
system_name	String	The scoping system's Name property

aps_v_swi_fabric *(Base Fabric Views)*

One or more switches connected by interswitch links (ISLs).

Column Name	Data Type	Description
creation_class_name	String	CreationClassName indicates the name of the class or the subclass used in the creation of an instance.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	Fabric Name

enabled_state	String	EnabledState is an integer enumeration that indicates the enabled and disabled states of an element.
fabric_id	Number	This property identifies the virtual fabric(admin domain) ID of a fabric. Primary key in this view
fabric_identifier	Number	This property identifies the virtual fabric(admin domain) ID of a fabric.
fabric_name	String	The 8-byte World Wide Name of the principal switch in the fabric.
is_deleted	String	This property identifies if the Fabric was deleted or not
is_inter_op_mode	String	Switch is in interop mode or not
last_updated	Date	Date and time last updated
name_format	String	The NameFormat property identifies how the name of Fabric is generated
object_id	String	Unique key to identify the object
san_id	Number	Foreign key to the aps_v_swi_san view
status	String	A string indicating the current status of the object.

aps_v_swi_fc_port_stats *(Base Fabric Views)*

Error and performance counters for a specific FC port.

Column Name	Data Type	Description
address_errors	Number	Count of frames received with unknown addressing.
bbc_credit_zero	Number	Amount of time that frame transmission is blocked by a transmit credit of zero.
class_three_frames_discarded	Number	Class3FramesDiscarded is the number of class 3 frames that were discarded upon reception.
domain_id	Number	Foreign key to the apt_v_domain view
encoding_disparity_errors	Number	Count of disparity errors that are received at this port.
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
frames_with_crc_errors	Number	Number of frames received in which the CRC in a frame does not match the CRC computed by the receiver.
frames_with_invalid_delim	Number	Count of invalid frame delimiters that are received at this port.
input_buffer_full	Number	Total no of transitions in and out of Input Buffer Full state from the point of time the counter was reset
instance_identifier	String	InstanceID is an opaque key which uniquely identifies an instance of FC Port Stats within a namespace.
invalid_transmission_words	Number	The number of transmission words that had an 8b10b code violation in one or more of its characters
is_deleted	String	This property identifies if this FC port stats were deleted or not
last_updated	Date	Date and time last updated
link_failures	Number	The number of times a link error has occurred. This count is part of the Link Error Status Block (LESB).

loss_of_signal_counter	Number	Number of times the signal is lost on the Port since the last reset of the Device.
loss_of_sync_counter	Number	Number of times that synchronization is lost on the Port since the last reset of the Device. Synchronization is assumed lost after a timeout period is exceeded.
node_fc_port_id	Number	Foreign key to the aps_v_swi_node_fc_port view
object_id	String	Unique key to identify the object
prim_seq_protocol_error_cnt	Number	Count of primitive sequence protocol errors that are detected at this port.
sample_interval	Date	This property provides the sample interval so that client applications can determine the minimum time that new statistics should be pulled.
san_id	Number	Foreign key to the aps_v_swi_san view
start_statistic_date	Date	The time, relative to managed element where the statistic was collected, when the first measurement was taken.
statistic_date	Date	The time the most recent measurement was taken, relative to the managed element where the statistic was collected.
switch_fc_port_id	Number	Foreign key to the aps_v_swi_switch_fc_port view
too_many_rdys	Number	Total no of times RDYs exceed frames received from the point of time the counter was reset.
total_bad_eof_received	Number	Total no of bad EOF frames received from the point of time the counter was reset.
total_bytes_received	Number	The total number of bytes that are received, including framing characters.
total_bytes_transmitted	Number	The total number of bytes that are transmitted, including framing characters.
total_class_one_frame_rcv	Number	The number of class 1 frames received.
total_class_three_frame_rcv	Number	The number of class 3 frames received.
total_class_two_frame_rcv	Number	The number of class 2 frames received.
total_crc_error_received	Number	Number of times that the CRC in a frame does not match the CRC that is computed by the receiver.
total_encoding_out_frame_err	Number	Total no of encoding error or disparity error outside frames received from the point of time the counter was reset.
total_f_rjt_frames	Number	FRJTFrames is the number of times that FRJT was returned to the port.
total_frames_received	Number	The total number of frames received
total_frames_too_long	Number	The number of frames received that were longer than 2140 octets.
total_frames_transmitted	Number	The total number of frames transmitted
total_invalid_ordered_sets	Number	Total no of invalid ordered sets received from the point of time the counter was reset.
total_link_control_frame_rcv	Number	Total no of link control frames received from the point of time the counter was reset.
total_link_resets_received	Number	Count of Link resets. This count is the number of LRs received.
total_link_resets_trans	Number	Count of Link resets. This count is the number of LRs transmitted.
total_multicast_frames_rcv	Number	Count of Multicast Frames or Packets received.
total_multicast_frames_tran	Number	Count of Multicast Frames or Packets transmitted.
total_multicast_timeouts	Number	Total no of multicast frames that have timed out from the point of time the counter was reset.

total_nbr_of_f_bsy_frames	Number	FBSYFrames is the number of times that FBSY was returned to the port.
total_nbr_of_p_bsy_frames	Number	PBSYFrames is the number of times that PBSY was returned to the port.
total_offline_seq_received	Number	Total no of offline sequences received from the point of time the counter was reset.
total_offline_seq_trans	Number	Total no of offline sequences transmitted from the point of time the counter was reset.
total_p_rjt_frames	Number	PRJTFrames is the number of times that PRJT was returned to the port.
total_truncated_frames_rcv	Number	Total no of truncted frames received from the point of time the counter was reset.
total_words_received	Number	The total number of words received
total_words_transmitted	Number	The total number of words transmitted

aps_v_swi_fc_port_trunk *(Base Fabric Views)*

Associates the Trunk instance with the corresponding SwitchFCPort instances.

Column Name	Data Type	Description
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	The user-friendly name for this instance
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
fc_port_trunk_id	Number	System generated identifier for the FC port trunk. Primary key in this view.
instance_identifier	String	InstanceID is an opaque key which uniquely identifies an instance of port trunk within a namespace.
is_deleted	String	This property identifies if this port trunk was deleted or not
last_updated	Date	Date and time last updated
load_balance_algorithm	String	The current load balance algorithm.
object_id	String	Unique key to identify the object
other_load_balance_algorithm	String	When LoadBalanceAlgorithm is Other, this property describes the algorithm.
redundancy_status	String	RedundancyStatus provides information on the state of the RedundancySet
san_id	Number	Foreign key to the aps_v_swi_san view
switch_id	Number	Foreign key to the aps_v_swi_switch view
type_of_set	String	type_of_set provides information on the type of redundancy.

aps_v_swi_life_cycle_ind *(Base Fabric Views)*

Life-cycle indications are delivered in reaction to a change in the status of a connection

Column Name	Data Type	Description
blade_id	Number	Foreign key to the aps_v_swi_blade view
chassis_fan_id	Number	Foreign key to the aps_v_swi_chassis_fan view
chassis_power_id	Number	Foreign key to the aps_v_swi_chassis_power view
correlated_indications	String	A list of IndicationIdentifiers whose notifications are correlated with (related to) this one.
curr_operation_status	String	Current operation status
domain_id	Number	Foreign key to the apt_v_domain view
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
indication_date	Date	The time and date of creation of the Indication. The property may be set to NULL if the entity creating the Indication is not capable of determining this information.
indication_identifier	String	An identifier for the Indication. This property is similar to a key value in that it can be used for identification, when correlating Indications.
indication_type	String	Indicates if its Creation, Modification or Deletion
last_updated	Date	Date and time last updated
node_fc_port_id	Number	Foreign key to the aps_v_swi_node_fc_port view
node_id	Number	Foreign key to the aps_v_swi_node view
other_severity	String	Holds the value of the user defined severity value when perceived_severity is 1 (Other).
perceived_severity	String	A value that describes the severity of the Indication from the notifier's point of view, with the following possible values: 0 - Unknown 1 - Other 2 - Information 3 - Degraded/Warning 4 - Minor 5 - Major 6 - Critical 7 - Fatal/NonRecoverable
physical_switch_id	Number	Foreign key to the aps_v_swi_physical_switch view
prev_operation_status	String	Previous operation status
san_id	Number	Foreign key to the aps_v_swi_san view
source_instance	String	A copy of the instance that changed to generate the Indication. SourceInstance contains the current values of the properties selected by the Indication Filter's Query.
source_instance_host	String	The host name or IP address of the SourceInstance.

source_instance_object_path	String	Object path of the source
source_instance_type	String	Source of the alert message
switch_fc_port_id	Number	Foreign key to the aps_v_swi_switch_fc_port view
switch_id	Number	Foreign key to the aps_v_swi_switch view

aps_v_swi_map_fab_physwitch *(Base Fabric Views)*

Associates a Physical Switch instance with the corresponding Fabric instance

Column Name	Data Type	Description
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
is_deleted	String	This property identifies if the entity was deleted or not
last_updated	Date	Date and time last updated
physical_switch_id	Number	Foreign key to the aps_v_swi_physical_switch view

aps_v_swi_map_zalias_zmemb *(Base Fabric Views)*

Zone alias data provides the identification criteria for possible zone member

Column Name	Data Type	Description
is_deleted	Char	Number of times that the CRC in a frame does not match the CRC that is computed by the receiver.
last_updated	Date	Number of times that the CRC in a frame does not match the CRC that is computed by the receiver.
zone_member_alias_id	Number	Foreign key reference to aps_v_swi_zone_member_alias
zone_member_setting_id	Number	System generated identifier for the Zone member setting. Primary key in this view

aps_v_swi_map_zone_zonememb *(Base Fabric Views)*

Associates a Zone member instance with the corresponding Zone instance

Column Name	Data Type	Description
is_deleted	String	This property identifies if the entity was deleted or not

last_updated	Date	Date and time last updated
zone_id	Number	Foreign key to the aps_v_swi_zone view
zone_member_setting_id	Number	Foreign key to the aps_v_swi_zone_membersetting view

aps_v_swi_node *(Base Fabric Views)*

Node represents a Fibre Channel node.

Column Name	Data Type	Description
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	Node symbolic name. This is populated only if returned from the device and nonzero in length.
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
instance_identifier	String	Within the scope of the instantiating Namespace, InstanceID opaquely and uniquely identifies a Node.
is_deleted	String	This property identifies if the Node was deleted or not
last_updated	Date	Date and time last updated
name_format	String	The NameFormat property identifies the format used for the device name.
node_id	Number	System generated identifier for the Node. Primary key in this view.
node_wwn_id	Number	Foreign key to the aps_wwn table
object_id	String	Unique key to identify the object
platform_id	Number	Foreign key to the aps_v_swi_platform view
san_id	Number	Foreign key to the aps_v_swi_san view

aps_v_swi_node_fc_port *(Base Fabric Views)*

NodeFCPort represents a single Fibre Channel port on a node.

Column Name	Data Type	Description
active_classes_of_service	String	An array of integers indicating the classes of service active for this port.
active_fc4_types	String	An array of integers indicating the Fibre Channel FC-4 protocols currently running.
creation_class_name	String	Indicates the name of the FCPort that, when used with the other key properties, uniquely identifies an instance of the port.

device_identifier	String	An address or identifying information to uniquely name the port. This is the N_Port WWN in the case of an N_Port and the switch port WWN in the case of a switch port.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	Symbolic name of the port.
enabled_state	String	EnabledState is an integer enumeration that indicates the enabled and disabled states of an element. It can also indicate the transitions between these requested states.
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
is_deleted	String	This property identifies if the Node FC Port was deleted or not
last_updated	Date	Date and time last updated
link_technology	String	An enumeration of the types of links.
max_speed	Number	The maximum speed the port is capable of supporting, in bits per second.
network_addresses	String	The FC port ID of the port.
node_fc_port_id	Number	System generated identifier for the Node FC Port. Primary key in this view.
node_id	Number	Foreign key to the aps_v_swi_node view
object_id	String	Unique key to identify the object
operational_status	String	Indicates the current status of the switch port.
permanent_address	String	The port ID of the port. This is the WWN of the port.
port_nbr	Number	The logical port number of the user port.
port_type	String	The specific mode currently enabled for the Port with the following possible values: N = Node port NL = Node port supporting FC arbitrated loop E = Expansion port connecting fabric elements (for example, FC switches) F = Fabric (element) port FL = Fabric (element) port supporting FC arbitrated loop B = Bridge port G = Generic port LB = Loopback port PL= Private loop port
port_wwn_id	Number	Foreign key to the aps_wwn table
san_id	Number	Foreign key to the aps_v_swi_san view
speed	Number	Actual speed at which the port is currently operating. If the value is 0, the speed is unknown or cannot be determined.
supported_fc4_types	String	An array of integers indicating the Fibre Channel FC-4 protocols supported.
system_creation_class_name	String	The scoping system's creation class name.
system_name	String	The scoping system's Name property. This property represents the WWN of the node.

aps_v_swi_node_vir_fc_port *(Base Fabric Views)*

NodeFCPort represents a single Virtual Fibre Channel port on a node.

Column Name	Data Type	Description
active_classes_of_service	String	An array of integers indicating the classes of service active for this port.
active_fc4_types	String	An array of integers indicating the Fibre Channel FC-4 protocols currently running.
creation_class_name	String	Indicates the name of the FCPort that, when used with the other key properties, uniquely identifies an instance of the port.
device_identifier	String	An address or identifying information to uniquely name the port. This is the N_Port WWN in the case of an N_Port and the switch port WWN in the case of a switch port.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	Symbolic name of the port.
enabled_state	String	EnabledState is an integer enumeration that indicates the enabled and disabled states of an element. It can also indicate the transitions between these requested states.
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
last_updated	Date	Date and time last updated
link_technology	String	An enumeration of the types of links.
max_speed	Number	The maximum speed the port is capable of supporting, in bits per second.
network_addresses	String	The FC port ID of the port.
node_fc_port_id	Number	System generated identifier for the Node Virtual FC Port. Primary key in this view.
node_id	Number	Foreign key to the aps_v_swi_node view
object_id	String	Unique key to identify the object
operational_status	String	Indicates the current status of the switch port.
permanent_address	String	The port ID of the port. This is the WWN of the port.
physical_node_fc_port_id	Number	Foreign key to the aps_v_swi_node_fc_port view
port_nbr	Number	The logical port number of the user port.

port_type	String	The specific mode currently enabled for the Port with the following possible values: N = Node port NL = Node port supporting FC arbitrated loop E = Expansion port connecting fabric elements (for example, FC switches) F = Fabric (element) port FL = Fabric (element) port supporting FC arbitrated loop B = Bridge port G = Generic port LB = Loopback port PL= Private loop port
port_wwn_id	Number	Foreign key to the aps_wwn table
san_id	Number	Foreign key to the aps_v_swi_san view
speed	Number	Actual speed at which the port is currently operating. If the value is 0, the speed is unknown or cannot be determined.
supported_fc4_types	String	An array of integers indicating the Fibre Channel FC-4 protocols supported.
system_creation_class_name	String	The scoping system's creation class name.
system_name	String	The scoping system's Name property. This property represents the WWN of the node.

aps_v_swi_perform_daily_log *(Base Fabric Views)*

Contains one log record per day for any Switch.

Column Name	Data Type	Description
log_date	Date	Date the log record corresponds to
loss_of_signal_counter	Number	Number of times the signal is lost on the Port since the last reset of the Device.
loss_of_sync_counter	Number	Number of times that synchronization is lost on the Port since the last reset of the Device. Synchronization is assumed lost after a timeout period is exceeded.
peak_utilization_pct	Number	Percentage of peak utilization.
switch_fc_port_id	Number	switch_fc_port_id from aps_swi_fc_port_stats table
throughput_kbps	Number	Throughput in kbps.
total_bytes_rx_counter	Number	The total number of bytes that are received, including framing characters.
total_bytes_tx_counter	Number	The total number of bytes that are transmitted, including framing characters.
total_crc_error_rx_counter	Number	Number of times that the CRC in a frame does not match the CRC that is computed by the receiver.
total_encoding_error_counter	Number	Total no of encoding error or disparity error outside frames received from the point of time the counter was reset.

aps_v_swi_perform_err_log *(Base Fabric Views)*

Log for the frequently changing data from aps_v_swi_perform_err_log view

Column Name	Data Type	Description
log_date	Date	Date and time log was written
loss_of_signal_counter	Number	Number of times the signal is lost on the Port since the last reset of the Device.
loss_of_sync_counter	Number	Number of times that synchronization is lost on the Port since the last reset of the Device. Synchronization is assumed lost after a timeout period is exceeded.
switch_fc_port_id	Number	Foreign key to the aps_v_swi_switch_fc_port view
total_crc_error_rx_counter	Number	Number of times that the CRC in a frame does not match the CRC that is computed by the receiver.
total_encoding_error_counter	Number	Total no of encoding error or disparity error outside frames received from the point of time the counter was reset.

aps_v_swi_perform_vol_log *(Base Fabric Views)*

Log for the frequently changing data from aps_v_swi_perform_vol_log view

Column Name	Data Type	Description
log_date	Date	Date and time log was written
switch_fc_port_id	Number	Foreign key to the aps_v_swi_switch_fc_port view
total_bytes_rx_counter	Number	The total number of bytes that are received, including framing characters.
total_bytes_tx_counter	Number	The total number of bytes that are transmitted, including framing characters.
total_frames_rx_counter	Number	The total number of frames received
total_frames_tx_counter	Number	The total number of frames transmitted

aps_v_swi_physical_switch *(Base Fabric Views)*

Represents the physical aspects of that switch.

Column Name	Data Type	Description
creation_class_name	String	Indicates the name of the class or the subclass used in the creation of an instance.

dedicated	String	Indicates whether the ComputerSystem is a special-purpose System (ie, dedicated to a particular use), versus being 'general purpose'.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	The user-friendly name for this instance
enabled_state	String	It is an integer enumeration that indicates the enabled and disabled states of an element
gateway	String	IP address of default gateway, formatted in dot notation.
ip_address	String	The in-band or out-of-band address of the switch or address of the PhysicalComputerSystem, formatted in dot notation.
ip_protocol_if_type	String	ProtocolIFType is the type of interface of this endpoint. If the interface is an out-of-band access interface, ProtocolIfType is Ethernet CSMA/CD. If the interface is an in-band access interface, ProtocolIfType is Other.
is_deleted	String	This property identifies if the physical switch was deleted or not
last_updated	Date	Date and time last updated
net_mask	String	IP subnet mask of Ethernet interface.
object_id	String	Unique key to identify the object
operational_status	String	Indicates the current status of this physical computer system. OK indicates that this physical computer system instance is currently active. Dormant indicates that this physical computer system instance is currently inactive and is the spare or standby instance for failover.
physical_switch_id	Number	System generated identifier for the physical switch. Primary key in this view.
physical_switch_name	String	This is a unique identifier for the physical computer system.
san_id	Number	Foreign key to the aps_v_swi_san view

aps_v_swi_platform *(Base Fabric Views)*

Represents a fabric-connected entity, containing one or more Node objects.

Column Name	Data Type	Description
creation_class_name	String	CreationClassName indicates the name of the class or the subclass used in the creation of an instance.
dedicated	String	Platform type.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	A user-friendly name for the object.
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
is_deleted	String	This property identifies if the platform was deleted or not
last_updated	Date	Date and time last updated
name	String	The inherited Name serves as key of the platform in an enterprise environment.
object_id	String	Unique key to identify the object

platform_id	Number	System generated identifier for the Platform. Primary key in this view.
san_id	Number	Foreign key to the aps_v_swi_san view

aps_v_swi_port_module *(Base Fabric Views)*

Port Module describes a plug-in port module in a modular switch.

Column Name	Data Type	Description
blade_id	Number	Foreign key to the aps_v_swi_blade view
creation_class_name	String	CreationClassName indicates the name of the port module that, when used with the other key properties, uniquely identifies a port module
device_identifier	String	An address or other identifying information to uniquely name the port module or blade.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	A user-friendly name for the object.
enabled_state	String	EnabledState is an integer enumeration that indicates the enabled and disabled states of the portmodule.
is_deleted	String	This property identifies if the port module was deleted or not
last_updated	Date	Date and time last updated
module_nbr	Number	The module number of this port module.
nbr_of_ports	Number	Number of ports within this module.
object_id	String	Unique key to identify the object
operational_status	String	Indicates the current status of the portmodule.
port_module_id	Number	System generated identifier for the Port Module. Primary key in this view.
san_id	Number	Foreign key to the aps_v_swi_san view
start_switch_port_index	Number	Starting switch logical port number for ports in this port module.
system_creation_class_name	String	The scoping system's creation class name.
system_name	String	The scoping system's Name property.

aps_v_swi_product *(Base Fabric Views)*

Product identifies the vendor-specific details of the product.

Column Name	Data Type	Description

domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	Descriptive product name.
identifying_nbr	String	Vendor serial number.
is_deleted	String	This property identifies if the product was deleted or not
last_updated	Date	Date and time last updated
name	String	Descriptive product name.
object_id	String	Unique key to identify the object
product_id	Number	System generated identifier for the Product. Primary key in this view.
san_id	Number	Foreign key to the aps_v_swi_san view
sku_nbr	String	Vendor part number.
vendor	String	The name of the product's supplier or entity selling the product.
version	String	Product version information.

aps_v_swi_protocol_end_point *(Base Fabric Views)*

A communication point from which data may be sent or received.

Column Name	Data Type	Description
connect_protocol_end_point_id	Number	protocol_end_point_id of the port its connected to
creation_class_name	String	CreationClassName indicates the name of the class or the subclass used in the creation of an instance.
domain_id	Number	Foreign key to the apt_v_domain view
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
is_deleted	String	This property identifies if the end point was deleted or not
last_updated	Date	Date and time last updated
name_format	String	NameFormat contains the naming heuristic that is chosen to ensure that the value of the Name property is unique.
node_fc_port_id	Number	Foreign key to the aps_v_swi_node_fc_port view
object_id	String	Unique key to identify the object
protocol_end_point_id	Number	System generated identifier for the Protocol end point. Primary key in this view.
protocol_end_point_name	String	A string that identifies this ProtocolEndpoint with either a port or an interface on a device.
protocol_if_type	String	It is an enumeration that is synchronized with the IANA ifType MIB.
san_id	Number	Foreign key to the aps_v_swi_san view

switch_fc_port_id	Number	Foreign key to the aps_v_swi_switch_fc_port view
system_creation_class_name	String	The scoping System's CreationClassName.
system_name	String	The scoping System's Name.

aps_v_swi_san *(Base Fabric Views)*

SAN represents a storage area network with switches and storage elements connected using a set of protocols.

Column Name	Data Type	Description
creation_class_name	String	Indicates the name of the class or the subclass used in the creation of an instance.
device_manager_id	Number	Foreign key to the aps_device_manager table
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	This is a descriptive name to identify the SAN
enabled_state	String	EnabledState is an integer enumeration that indicates the enabled and disabled states of an element
is_deleted	String	This property identifies if the SAN was deleted or not
last_updated	Date	Date and time last updated
name_format	String	This property identifies how the name of the SAN is generated.
object_id	String	Unique key to identify the object
san_id	Number	System generated identifier for the SAN. Primary key in this view.
san_name	String	An opaque key that identifies the SAN.

aps_v_swi_switch *(Base Fabric Views)*

Logical aspects of a single Switch instance

Column Name	Data Type	Description
banner	String	A message (specified by the administrator) that is displayed whenever a user logs in to a switch
caption	String	The Caption property is a short textual description (one-line string) of the object.
chassis_id	Number	Foreign key to the aps_v_swi_chassis view
confirm_domain_id	String	Domain IDs are assigned by the principal switch at the time of fabric configuration. DomainIdConfirmed indicates whether the switch currently has a valid domain ID.

creation_class_name	String	This field indicates the name of the class or the subclass used in the creation of an instance.
creation_date	Date	Date and time this switch was created
dedicated	String	Indicates that the computer system is a switch or extender.
description	String	The Description property provides a textual description of the object.
domain_id	Number	Domain IDs are assigned by the principal switch at the time of fabric configuration
element_name	String	Switch symbolic name.
enabled_state	String	EnabledState is an integer enumeration that indicates the enabled and disabled states of the switch. It can also indicate the transitions between these requested states.
fabric_domain_id	String	The domain ID is a fabric-assigned identifier that uniquely identifies a switch in the fabric.
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
inter_op_mode	String	Fabric is in interop mode or not
is_deleted	String	This property tells whether the switch has been deleted or not
is_virtual	String	This property tells whether the switch is a real switch or a virtual switch.
last_config_change_date	Date	The period of time that has elapsed since the last configuration change.
last_switch_port_change_date	Number	Timestamp when the fabric was last modified due to switch port joining or leaving the fabric or due to switch port status change.
last_updated	Date	Date and time last updated
name_format	String	The NameFormat property identifies how ComputerSystem Name is generated. The NameFormat ValueMap qualifier defines the various mechanisms for assigning the name.
object_id	String	Unique key to identify the object
operational_status	String	Indicates the current status of the switch.
physical_switch_id	Number	Foreign key to the aps_v_swi_physical_switch view
reboot_reason	String	The reason for most recent switch reboot.
san_id	Number	Foreign key to the aps_v_swi_san view
status_reason	String	A description of the reason for switch operational status
switch_date	Date	The switch's notion of time-of-day (number of seconds since midnight, January 1, 1970).
switch_domain_name	String	DNS-assigned name for the switch.
switch_id	Number	Switch embedded port destination identifier. Primary key in this view
switch_identifier	String	Switch embedded port destination identifier
switch_name	String	The switch WWN, which is a unique numeric identifier for the switch. The WWN is factory-assigned and is typically used in license keys and digital certificates.
switch_role	String	The current role of the switch. As part of the fabric coming up, one switch in the fabric assumes the role of a principal switch, every other switch assumes a subordinate role unless the principal switch is disabled.
switch_time_zone	String	The time zone offset (hours and minutes).

switch_up_time	Date	The period of time that has elapsed since last reboot.
system_location	String	Physical location of the Switch

aps_v_swi_switch_fc_port *(Base Fabric Views)*

SwitchFCPort represents a single fibre channel switch port on a switch

Column Name	Data Type	Description
associated_node_info	String	Node information containsNodeWWN, NodePortWWN, PortSymbolicName, NodePortSymbolicName
blade_id	Number	Foreign key to the aps_v_swi_blade view
caption	String	The Caption property is a short textual description (one- line string) of the object.
connect_node_fc_port_id	Number	node_fc_port_id of the Node it is connected to
connect_node_id	Number	node_id of the Node it is connected to
connect_switch_fc_port_id	Number	switch_fc_port_id of the Switch it is connected to
creation_class_name	String	Indicates the name of the class or the subclass used in the creation of an instance.
device_identifier	String	An address or other identifying information used to uniquely name the LogicalDevice.
domain_id	Number	Foreign key to the apt_v_domain view
domain_port_nbr	Number	The port number labeled for an administrative purposes relative to the logical module.
element_name	String	User-settable friendly name of the port.
enabled_state	String	EnabledState is an integer that indicates the enabled/disabled states of the port.
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
fc_port_trunk_id	Number	Foreign key to the aps_v_swi_fc_port_trunk view
is_auto_sense	String	A Boolean that indicates whether the NetworkPort is capable of automatically determining the speed or other communications characteristics of the attached network media.
is_deleted	String	This property identifies if the Switch FC Port was deleted or not
is_isl_mode_enabled	String	Indicates whether the port is configured for ISL R_RDY mode.
is_licensed	String	This property tells whether the port is licensed or not.
is_npiv_enabled	String	Indicates whether the port is configured for NPIV.
is_sfp_present	String	This property tells whether SFP is present or not.
is_trunked	String	Whether the FC port is trunked or not
is_virtual	String	This property tells whether the port is a real port or a virtual port.

last_updated	Date	Date and time last updated
link_technology	String	A list of the types of links.
logical_object_id	String	Object Id from the collector indicating if the Object is logical or physical
max_speed	Number	The maximum speed the port is capable of supporting, in bits per second.
operational_status	String	Indicates the current status of the switch port.
permanent_address	String	The port ID of the port. This is the WWN of the port.
physical_object_id	String	Object Id from the collector indicating if the Object is logical or physical
physical_switch_id	Number	Foreign key to the aps_v_swi_physical_switch view
port_index	Number	This property gives the PortIndex of the port.
port_module_id	Number	Foreign key to the aps_v_swi_port_module view
port_name	String	Defines the label by which the object is known.
port_nbr	Number	The logical port number of the user port.
port_type	String	The specific mode currently enabled for the Port with the following possible values: N = Node port NL = Node port supporting FC arbitrated loop E = Expansion port connecting fabric elements (for example, FC switches) F = Fabric (element) port FL = Fabric (element) port supporting FC arbitrated loop B = Bridge port G = Generic port LB = Loopback port PL= Private loop port
port_wwn_id	Number	Foreign key to the aps_wwn table
san_id	Number	Foreign key to the aps_v_swi_san view
speed	Number	Actual speed at which the port is currently operating.
switch_fc_port_id	Number	System generated identifier for the Switch FC Port. Primary key in this view.
switch_id	Number	Foreign key to the aps_v_swi_switch view
system_creation_class_name	String	The scoping system's creation class name.
system_name	String	The scoping system's Name property.
vsan_identifier	String	Which VSAN this switch fc port belongs to
vsan_name	String	VSAN Name

aps_v_swi_switch_fc_port_cap *(Base Fabric Views)*

Port control and configuration capabilities.

Column Name	Data Type	Description
can_edit_element_name	String	Boolean indicating whether the ElementName can be modified.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	The user friendly name for this instance of Capabilities.
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
instance_identifier	String	Within the scope of the instantiating Namespace, InstanceID opaquely and uniquely identifies an instance of this class.
is_auto_sense_speed_config	String	A boolean indicating whether the AutoSenseSpeed may be changed (TRUE), or may only be viewed (FALSE).
is_deleted	String	This property identifies if this FC Port capabilities was deleted or not
is_speed_config	String	Boolean that indicates whether the Speed can be configured.
last_updated	Date	Date and time last updated
max_element_name_length	Number	Maximum supported ElementName length.
object_id	String	Unique key to identify the object
requested_speed_supported	String	List of supported port speeds that can be configured on LogicalPortSettings.
requested_states_supported	String	RequestedStatesSupported indicates the possible states that can be requested
requested_types_supported	String	List of supported port types that can be configured
san_id	Number	Foreign key to the aps_v_swi_san view
switch_fc_port_id	Number	Foreign key to the aps_v_swi_switch_fc_port view

aps_v_swi_switch_fc_port_set *(Base Fabric Views)*

A port that supports FibreChannel capabilities may be configured via the FC Port Settings

Column Name	Data Type	Description
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	The user friendly name for this instance of SettingData.
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
instance_identifier	String	Within the scope of the instantiating Namespace, InstanceID opaquely and uniquely identifies an instance of this class.
is_auto_sense_speed	String	A boolean indicating whether the LogicalPort should automatically negotiate an optimal bandwidth (TRUE), or attempt to communicate only at the RequestedSpeed (FALSE).
is_deleted	String	This property identifies if this FC Port settings was deleted or not
last_updated	Date	Date and time last updated

object_id	String	Unique key to identify the object
requested_speed	Number	The requested bandwidth of the Port in Bits per Second.
san_id	Number	Foreign key to the aps_v_swi_san view
switch_fc_port_id	Number	Foreign key to the aps_v_swi_switch_fc_port view

aps_v_swi_switch_service_cap *(Base Fabric Views)*

Describes the availability of services of a switch in the fabric

Column Name	Data Type	Description
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	The user-friendly name for this instance which can be used as an index property for a search in a query.
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
instance_identifier	String	Within the scope of the instantiating namespace, InstanceID uniquely and opaquely identifies an instance of this class.
is_deleted	String	This property identifies if this switch service capabilities were deleted or not
is_high_availability_enabled	String	Enable or disable high availability of this switch.
is_port_log_enabled	String	Enable or disable port error log for all ports on this switch. True indicates that this is supported on the hardware and is enabled. False indicates this is supported on the hardware, but is not enabled. Property not populated indicates port error log is not supported on the hardware at all.
is_ql_switch_enabled	String	True indicates that QuickLoop is supported on the hardware and is enabled. False indicates QuickLoop is supported on the hardware, but is not enabled. Property not populated indicates QuickLoop enabling or disabling is not supported on the hardware at all.
is_rls_service_enabled	String	Enable or disable the read link error status block (RLS) service on this switch.
is_trunking_capable	String	True indicates that trunking is supported on the hardware and is enabled with a valid license. False indicates trunking is supported on the hardware, but is not enabled. Property not populated indicates trunking is not supported on the hardware at all.
last_updated	Date	Date and time last updated
mgmt_service_capabilities	String	Returns the capabilities of the switch that are interesting from a management perspective
object_id	String	Unique key to identify the object
physical_switch_id	Number	Foreign key to the aps_v_swi_physical_switch view
san_id	Number	Foreign key to the aps_v_swi_san view

aps_v_swi_switch_setting *(Base Fabric Views)*

An FC Switch capabilities may be configured using this instance.

Column Name	Data Type	Description
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	The user-friendly name for this instance
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
instance_identifier	String	InstanceID is an opaque key which uniquely identifies an instance of switch setting within a namespace.
is_deleted	String	This property identifies if this switch setting was deleted or not
is_domain_id_locked	String	Boolean indicating if the switch may negotiate a new domainID if the configured domainID is unavailable. If this value is TRUE, a domainID conflict will cause the fabric merge process to fail.
last_updated	Date	Date and time last updated
object_id	String	Unique key to identify the object
physical_switch_id	Number	Foreign key to the aps_v_swi_physical_switch view
preferred_domain_id	Number	The preferred domainID for the switch. If DomainIDLocked is TRUE, then this will be the required DomainID for the switch.
principal_priority	Number	This value affects the selection of a principal switch within the fabric. It indirectly corresponds to the FC-FS switch_priority value used during principal switch selection. Principal: Attempt to become the principal switch in the fabric. Subordinate: Attempt NOT to become the principal switch in the fabric. Any: No preference.
san_id	Number	Foreign key to the aps_v_swi_san view

aps_v_swi_switch_software *(Base Fabric Views)*

It represents the software element that is executed by a system.

Column Name	Data Type	Description
build_nbr	Number	The build number of the software.
domain_id	Number	Foreign key to the apt_v_domain view
instance_identifier	String	InstanceID is an opaque key which uniquely identifies an instance of switch software within a namespace.
is_deleted	String	This property identifies if this switch software was deleted or not
last_updated	Date	Date and time last updated
major_version	Number	The major number component of the software's version information. A newer major release is indicated by a larger numeric value.
manufacturer	String	Manufacturer of this software.
minor_version	Number	The minor number component of the software's version information. A newer minor release is indicated by a larger numeric value.
object_id	String	Unique key to identify the object

physical_switch_id	Number	Foreign key to the aps_v_swi_physical_switch view
revision_nbr	Number	The revision or maintenance release component of the software's version information
san_id	Number	Foreign key to the aps_v_swi_san view
version	String	A string representing the complete software version information

aps_v_swi_switchfc_port_rate *(Base Fabric Views)*

Performance rate for the FCPort

Column Name	Data Type	Description
current_byte_receive_rate	Number	The current byte receive rate since last reset.
current_byte_transfer_rate	Number	The current byte transmit rate since last reset.
current_frame_receive_rate	Number	The current frame receive rate since last reset.
current_frame_transfer_rate	Number	The current frame transmit rate since last reset.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	The user-friendly name for this instance of StatisticalData.
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
instance_identifier	String	InstanceID opaquely identifies a unique instance of FC Port Rate Stats.
is_deleted	String	This property identifies if the FC Port Rate Stats were deleted or not
last_updated	Date	Date and time last updated
max_frame_receive_rate	Number	The maximum frame receive rate since last reset.
max_frame_transmit_rate	Number	The maximum frame transmit rate since last reset.
object_id	String	Unique key to identify the object
peak_byte_receive_rate	Number	The peak byte receive rate since last reset.
peak_byte_transmit_rate	Number	The peak byte transmit rate since last reset.
sample_interval	Date	The intervals at which the bytes are sampled by the switch driver to calculate the rates.
san_id	Number	Foreign key to the aps_v_swi_san view
statistic_date	Date	The time the most recent measurement was taken, relative to the managed element where the statistic was collected.
switch_fc_port_id	Number	Foreign key to the aps_v_swi_switch_fc_port view
switch_id	Number	Foreign key to the aps_v_swi_switch view

aps_v_swi_switfcportrate_log *(Base Fabric Views)*

Log for the frequently changing data from aps_v_swi_switchfc_port_rate view

Column Name	Data Type	Description
current_byte_receive_rate	Number	The current byte receive rate since last reset.
current_byte_transfer_rate	Number	The current byte transfer rate since last reset.
current_frame_receive_rate	Number	The current frame receive rate since last reset.
current_frame_transfer_rate	Number	The current frame transfer rate since last reset.
log_date	Date	Date and time log was written
max_frame_receive_rate	Number	The maximum frame receive rate since last reset.
max_frame_transmit_rate	Number	The maximum frame transmit rate since last reset.
peak_byte_receive_rate	Number	The peak byte receive rate since last reset.
peak_byte_transmit_rate	Number	The peak byte transmit rate since last reset.
switch_fc_port_id	Number	Foreign key to the aps_v_swi_switch_fc_port view

aps_v_swi_topology *(Base Fabric Views)*

Stores a connection between two FC ports

Column Name	Data Type	Description
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
last_updated	Date	Date and time last updated
operational_status	String	operational_status from the aps_v_swi_switch_fc_port view
source_host_id	Number	Foreign key to the apt_host view
source_node_fc_port_id	Number	Foreign key to the aps_v_swi_node_fc_port view
source_port_wwn_id	Number	port_wwn_id from either the aps_v_swi_switch_fc_port or aps_v_swi_node_fc_port view
source_storage_array_id	Number	Foreign key to the aps_storage_array view
source_switch_fc_port_id	Number	Foreign key to the aps_v_swi_switch_fc_port view
source_switch_id	Number	Foreign key to the aps_v_swi_switch view

source_type	String	H - Host, S - Switch, D - Director Switch, A - Array
source_zone_id	Number	Foreign key to the aps_v_swi_zone view
target_host_id	Number	Foreign key to the apt_host view
target_node_fc_port_id	Number	Foreign key to the aps_v_swi_node_fc_port view
target_port_wwn_id	Number	port_wwn_id from either the aps_v_swi_switch_fc_port or aps_v_swi_node_fc_port view
target_storage_array_id	Number	Foreign key to the aps_storage_array view
target_switch_fc_port_id	Number	Foreign key to the aps_v_swi_switch_fc_port view
target_switch_id	Number	Foreign key to the aps_v_swi_switch view
target_type	String	H - Host, S - Switch, D - Director Switch, A - Array
target_zone_id	Number	Foreign key to the aps_v_swi_zone view

aps_v_swi_topology_view *(Base Fabric Views)*

Defines the Topology view of the SAN Fabric

Column Name	Data Type	Description
antecedent_element_name	String	Antecedent Element Name
antecedent_element_wwn	String	Antecedent Element WWN
antecedent_fc_port	String	Antecedent FC Port
antecedent_fc_port_type	String	Antecedent FC Port Type
antecedent_fc_port_wwn	String	Antecedent FC Port WWN
antecedent_system	String	Antecedent System
dependent_element_name	String	Dependent Element Name
dependent_element_wwn	String	Dependent Element WWN
dependent_fc_port	String	Dependent FC Port
dependent_fc_port_type	String	Dependent FC Port Type
dependent_fc_port_wwn	String	Dependent FC Port WWN
dependent_system	String	Dependent System
domain_id	Number	Foreign key to the apt_v_domain view
instance_id	String	Instance Id
is_deleted	String	This property identifies if this topology view was deleted or not

last_updated	Date	Date and time last updated
san_id	Number	Foreign key to the aps_v_swi_san view

aps_v_swi_zone *(Base Fabric Views)*

For Fibre Channel, a Zone indicates a set of members that are participating together in the fabric.

Column Name	Data Type	Description
caption	String	The Caption property is a short textual description (one- line string) of the object.
description	String	The Description property provides a textual description of the object.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	A user-friendly name for the object.
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
instance_identifier	String	InstanceID opaquely identifies a unique instance of Zone that is scoped (contained) by a zone set.
is_active	String	Indicates whether this zone is currently active (that is, under enforcement of a fabric) or not. This property can be used to distinguish between a zone that is currently active and a snapshot of a zone (with the same InstanceName) that is for offline editing.
is_deleted	String	This property identifies if this Zone was deleted or not
is_read_only	String	The access mode allowed for the zone. If ReadOnly, the zone configuration cannot be changed.
is_undefined	String	Whether Zone is defined or not
last_updated	Date	Date and time last updated
object_id	String	Unique key to identify the object
other_zone_sub_type_desc	String	A string describing the zone subtype when the value of the ZoneSubType property is 1 (Other).
other_zone_type_desc	String	A string describing the zone type when the value of the ZoneType property is 1 (Other).
san_id	Number	Foreign key to the aps_v_swi_san view
zone_id	Number	System generated identifier for the Zone. Primary key in this view.
zone_sub_type	String	Specifies protocol type if the zone type requires more specificity.
zone_type	String	The type of zone to be enforced, including Brocade-proprietary zone types.
zoneset_id	Number	Foreign key to the aps_v_swi_zoneset view

aps_v_swi_zone_member_alias *(Base Fabric Views)*

User-friendly name for a collection of zone members

Column Name	Data Type	Description
caption	String	The Caption property is a short textual description (one- line string) of the object.
collection_alias	String	A user-friendly name for the zone alias that is unique within the fabric. Zone aliases are composed of zone members and are contained within zone sets.
description	String	The Description property provides a textual description of the object.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	The user-friendly name for this instance
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
instance_identifier	String	InstanceID opaquely identifies a unique instance of ZoneAlias that is scoped (contained) by a zone.
is_deleted	String	This property identifies if this Zone member alias was deleted or not
last_updated	Date	Date and time last updated
object_id	String	Unique key to identify the object
san_id	Number	Foreign key to the aps_v_swi_san view
zone_member_alias_id	Number	System generated identifier for the Zone member alias. Primary key in this view.
zone_member_setting_id	Number	Foreign key to the aps_v_swi_zone_membersetting view.

aps_v_swi_zone_membersetting *(Base Fabric Views)*

Provides the identification criteria for possible zone and zone alias members

Column Name	Data Type	Description
caption	String	The Caption property is a short textual description (one- line string) of the object.
connectivity_member_id	String	The identification of the member based on the type specified by connectivity_member_type.
connectivity_member_type	String	ConnectivityMemberType specifies the type of identification used in the connectivity_member_id field.
description	String	The Description property provides a textual description of the object.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	The user-friendly name for this instance

fabric_id	Number	Foreign key to the aps_v_swi_fabric view
instance_identifier	String	InstanceID opaquely identifies a unique instance of Zone Membership Setting Data.
is_deleted	String	This property identifies if this Zone member setting was deleted or not
last_updated	Date	Date and time last updated
node_fc_port_id	Number	Foreign key to the aps_v_swi_node_fc_port view
node_id	Number	Foreign key to the aps_v_swi_node view
object_id	String	Unique key to identify the object
san_id	Number	Foreign key to the aps_v_swi_san view
switch_fc_port_id	Number	Foreign key to the aps_v_swi_switch_fc_port view
wwn	String	port WWN
wwn_id	Number	Foreign key to the aps_wwn table
zone_member_setting_id	Number	System generated identifier for the Zone member setting. Primary key in this view.

aps_v_swi_zoneset *(Base Fabric Views)*

ZoneSet is a container of zones

Column Name	Data Type	Description
caption	String	The Caption property is a short textual description (one- line string) of the object.
description	String	The Description property provides a textual description of the object.
domain_id	Number	Foreign key to the apt_v_domain view
element_name	String	user-friendly name for Zonesets. Two zonesets can have samename of which one may be active and other one will beinactive.
fabric_id	Number	Foreign key to the aps_v_swi_fabric view
instance_identifier	String	InstanceID opaquely identifies a unique instance of ZoneSet that is scoped (contained) by a fabric.
is_active	String	Indicates whether this zone set is currently active (that is, under enforcement of a fabric) or not. This property can be used to distinguish between a zone set that is currently active and a snapshot of a zone set (with the same InstanceName) that is for offline editing.
is_deleted	String	This property identifies if this Zone set was deleted or not
last_updated	Date	Date and time last updated
object_id	String	Unique key to identify the object
san_id	Number	Foreign key to the aps_v_swi_san view
zoneset_id	Number	System generated identifier for the Zone set. Primary key in this view.

Base File Analytics Views (Go to Top)

apt_v_afa_bucket
apt_v_afa_capacity
apt_v_afa_category
apt_v_afa_collector_progress
apt_v_afa_context
apt_v_afa_data_growth
apt_v_afa_file_category
apt_v_afa_file_duplication
apt_v_afa_file_lifetime
apt_v_afa_file_size
apt_v_afa_file_summary
apt_v_afa_file_types
apt_v_afa_largest_files
apt_v_afa_owner_category

apt_v_afa_bucket *(Base File Analytics Views)*

File Analytic buckets

Column Name	Data Type	Description
bucket_id	Number	Primary key
bucket_type	String	Type of the bucket. Eg. file size, time period etc
bucket_unit	String	Bucket unit. Eg. KiB, months etc
description	String	Bucket description
domain_id	Number	Foreign key to apt_v_domain
end_number	Number	Range end number
last_updated	Date	Date and time last updated
start_number	Number	Range start number

apt_v_afa_capacity *(Base File Analytics Views)*

Lists capacity by host and volume/share

Column Name	Data Type	Description
capacity_kb	Number	Capacity in KiB
context_id	Number	Foreign key to apt_v_afa_context
host_id	Number	Foreign key to apt_v_server
last_updated	Date	Date and time last updated

utilization_kb	Number	Capacity utilization in KiB

apt_v_afa_category *(Base File Analytics Views)*

File Analytic file categories

Column Name	Data Type	Description
afa_category_id	Number	Primary key
category_name	String	Category name
domain_id	Number	Foreign key to apt_v_domain
file_extension	String	File extension
last_updated	Date	Date and time last updated

apt_v_afa_collector_progress *(Base File Analytics Views)*

File analytic collector status

Column Name	Data Type	Description
collector_id	Number	Foreign key to apt_collector_properties
context_id	Number	Foreign key to apt_v_afa_context
file_count	Number	File count from current running collection
finish_time	Date	Finish time
host_id	Number	Foreign key to apt_v_server
last_file_count	Number	File count from last collection
last_finished_time	Date	Last time the collection finished
last_updated	Date	Date and time last updated
start_time	Date	Start time
status	String	U - UNKNOWN, N - RUNNING, C - COLLECTION END, F - COLLECTION FAILED, S - AGGREGATION START, E - AGGREGATION END

apt_v_afa_context *(Base File Analytics Views)*

Volumes or shares on a host

Column Name	Data Type	Description
context_id	Number	Primary key
context_name	String	Volume or Share name
context_type	String	Indicates whether its a volume or share. Values: Volume , Share
host_id	Number	Foreign key to apt_v_server
host_type	String	The host type: NetApp, Windows, Unix, CIFS.
last_updated	Date	Date and time last updated

apt_v_afa_data_growth *(Base File Analytics Views)*

File analytics data growth data

Column Name	Data Type	Description
bucket_id	Number	Foreign key to apt_v_afa_bucket
context_id	Number	Foreign key to apt_v_afa_context
host_id	Number	Foreign key to apt_v_server
last_updated	Date	Date and time last updated
nbr_of_new_files	Number	Number of new files
new_space_kb	Number	New space in KiB

apt_v_afa_file_category *(Base File Analytics Views)*

File analytics file category data

Column Name	Data Type	Description
afa_category_id	Number	Foreign key to apt_v_afa_category

context_id	Number	Foreign key to apt_v_afa_context
host_id	Number	Foreign key to apt_v_server
last_updated	Date	Date and time last updated
nbr_of_files	Number	Number of files
total_pct	Number	Percentage of total
total_size_kb	Number	Total size in KiB

apt_v_afa_file_duplication *(Base File Analytics Views)*

File analytics file duplication data

Column Name	Data Type	Description
context_id	Number	Foreign key to apt_v_afa_context
file_name	String	File name
host_id	Number	Foreign key to apt_v_server
last_updated	Date	Date and time last updated
nbr_of_duplicates	Number	Number of duplicates
total_size_kb	Number	Total size in KiB

apt_v_afa_file_lifetime *(Base File Analytics Views)*

File analytics file lifetime data

Column Name	Data Type	Description
bucket_id	Number	Foreign key to apt_v_afa_bucket
context_id	Number	Foreign key to apt_v_afa_context
host_id	Number	Foreign key to apt_v_server
last_updated	Date	Date and time last updated
nbr_of_files	Number	Number of files
total_size_kb	Number	Total size in KiB

apt_v_afa_file_size *(Base File Analytics Views)*

File analytics file size data

Column Name	Data Type	Description
bucket_id	Number	Foreign key to apt_v_afa_bucket
context_id	Number	Foreign key to apt_v_afa_context
host_id	Number	Foreign key to apt_v_server
last_updated	Date	Date and time last updated
nbr_of_files	Number	Number of files
size_kb	Number	File size in KiB

apt_v_afa_file_summary *(Base File Analytics Views)*

File analytics file summary data

Column Name	Data Type	Description
accessed_files	Number	Number of files accessed
accessed_size_kb	Number	Accessed files size in KiB
bucket_id	Number	Foreign key to apt_v_afa_bucket
changed_files	Number	Number of files modified
changed_size_kb	Number	Modified files size in KiB
context_id	Number	Foreign key to apt_v_afa_context
created_files	Number	Number of files created
created_size_kb	Number	Created files size in KiB
host_id	Number	Foreign key to apt_v_server
last_updated	Date	Date and time last updated

apt_v_afa_file_types *(Base File Analytics Views)*

File analytics file types data

Column Name	Data Type	Description
context_id	Number	Foreign key to apt_v_afa_context
file_type	String	File type
host_id	Number	Foreign key to apt_v_server
last_updated	Date	Date and time last updated
nbr_of_files	Number	Number of files
total_pct	Number	Percentage of total
total_size_kb	Number	Total size in KiB

apt_v_afa_largest_files *(Base File Analytics Views)*

File analytics largest files data

Column Name	Data Type	Description
context_id	Number	Foreign key to apt_v_afa_context
file_name	String	File name
file_size_kb	Number	File size in KiB
file_type	String	File type
host_id	Number	Foreign key to apt_v_server
last_accessed	Date	File last accessed
last_updated	Date	Date and time last updated
owner	String	File owner

apt_v_afa_owner_category *(Base File Analytics Views)*

File analytics owner data per category

Column Name	Data Type	Description
afa_category_id	Number	Foreign key to apt_v_afa_category
context_id	Number	Foreign key to apt_v_afa_context
host_id	Number	Foreign key to apt_v_server
last_updated	Date	Date and time last updated
owner	String	Owner of the files
total_files	Number	Total number of files
total_size_kb	Number	Total size in KiB

NetApp SnapMirror Views (Go to Top)

aps_v_nap_snapmirror_error aps_v_nap_snapmirror_schd aps_v_nap_snapmirror_status

aps_v_nap_snapmirror_error *(NetApp SnapMirror Views)*

Contains NetApp Snapshot errors

Column Name	Data Type	Description
last_updated	Date	Date and time last updated
nap_snapmirror_schd_id	Number	Foreign key to aps_v_nap_snapmirror_schd
nap_snapmirror_status_id	Number	Foreign key to aps_v_nap_snapmirror_status
org_storage_system_id	Number	Original storage system id. Foreign key to aps_v_nap_storage_system
transfer_error	String	Snapmirror transfer error

aps_v_nap_snapmirror_schd *(NetApp SnapMirror Views)*

Contains NetApp Snapmirrot schedules

Column Name	Data Type	Description
days_of_month	String	Days of month
days_of_week	String	Days of week

destination_qtree_id	Number	Destination QTree ID
destination_qtree_name	String	Destination QTree name
destination_storage_system_id	Number	Foreign key to aps_v_nap_storage_system
destination_system_name	String	Destination system name
destination_volume_id	Number	Destination volume ID. Foreign key to aps_v_nap_volume
destination_volume_name	String	Destination volume name
domain_id	Number	Foreign key to apt_v_domain
err_nbr	Number	Error number
err_reason	String	Error reason
hour	String	Hour
is_system_generated	String	Is the schedule system generated?
last_updated	Date	Date and time last updated
max_transfer_rate	Number	Maximum transfer rate
minute	String	Minute
nap_snapmirror_schd_id	Number	Primary key
schd_type	String	Schedule type
source_qtree_id	Number	Source Qtree ID
source_qtree_name	String	Source QTree name
source_storage_system_id	Number	Source storage system ID. Foreign key to aps_v_nap_storage_system
source_system_name	String	Source system name
source_volume_id	Number	Foreign key to aps_v_nap_volume
source_volume_name	String	Source volume name
sync_ops_throttle	String	Sync OPS throttle
sync_visibility_freq	Number	Sync visibility frequency

aps_v_nap_snapmirror_status *(NetApp SnapMirror Views)*

Contains NetApp Snapmirror status

Column Name	Data Type	Description
base_snapshot_name	String	Base snapshot name

contents	String	snapmirror contents
cur_transfer_type	String	Current transfer type
lag_time	Number	Lag time
last_transfer_duration	Number	Last transfer duration
last_transfer_from	String	Last transfered from
last_transfer_size_kb	Number	Last transfer size in KiB
last_transfer_type	String	Last transfer type
last_updated	Date	Date and time last updated
mirror_state	String	Mirror state
mirror_status	String	Mirror status
mirror_timestamp	Date	Mirror timestamp
nap_snapmirror_schd_id	Number	Foreign key to aps_v_nap_snapmirror_schd
nap_snapmirror_status_id	Number	Primary key
summary_status	Number	Summary status
transfer_progress	Number	Transfer progress

NetApp SnapVault Views (Go to Top)

aps_v_nap_snapvault_config
aps_v_nap_snapvault_error
aps_v_nap_snapvault_pri_schd
aps_v_nap_snapvault_sec_schd
aps_v_nap_snapvault_status

aps_v_nap_snapvault_config *(NetApp SnapVault Views)*

Contains NetApp SnapVault configuration

Column Name	Data Type	Description
chain_order	Number	Snapvault chain order
destination_qtree_id	Number	Destination QTree ID
destination_qtree_name	String	Destination QTree name
destination_storage_system_id	Number	Foreign key to aps_v_nap_storage_system
destination_system_name	String	Destination system name

destination_volume_id	Number	Foreign key to aps_v_nap_volume
destination_volume_name	String	Destination volume name
domain_id	Number	Foreign key to apt_v_domain
is_backup_allowed	String	Is backup allowed?
last_updated	Date	Date and time last updated
max_transfer_rate	Number	Maximum transfer rate
nap_snapvault_config_id	Number	Primary key
root_snapvault_config_id	Number	Root snapvault config ID
source_qtree_id	Number	Source QTree ID
source_qtree_name	String	Source QTree name
source_snapshot_name	String	Source snapshot name
source_storage_system_id	Number	Foreign key to aps_v_nap_storage_system
source_system_name	String	Source system name
source_volume_id	Number	Foreign key to aps_v_nap_volume
source_volume_name	String	Source volume name
tries_count	Number	No.of tries

aps_v_nap_snapvault_error *(NetApp SnapVault Views)*

Contains NetApp SnapVault errors

Column Name	Data Type	Description
last_updated	Date	Date and time last updated
nap_snapvault_config_id	Number	Foreign key to aps_v_nap_snapvault_config
nap_snapvault_status_id	Number	Foreign key to aps_v_nap_snapvault_status
org_storage_system_id	Number	Foreign key to aps_v_nap_storage_system
system_name	String	System name
transfer_error	String	Transfer error

aps_v_nap_snapvault_pri_schd *(NetApp SnapVault Views)*

Contains NetApp SnapVault primary schedules

Column Name	Data Type	Description
days_of_week	String	Primary schedule - days of the week
hours_of_day	String	Primary schedule - hours of the day
last_updated	Date	Date and time last updated
nap_snapvault_pri_schd_id	Number	Primary key
nap_storage_system_id	Number	Foreign key to aps_v_nap_storage_system
nap_volume_id	Number	Foreign key to aps_v_nap_volume
retention_count	Number	Retention count
schedule_name	String	Primary schedule name
status	String	Status of the primary schedule
system_name	String	System name

aps_v_nap_snapvault_sec_schd *(NetApp SnapVault Views)*

Contains NetApp SnapVault secondary schedules

Column Name	Data Type	Description
days_of_week	String	Snapvault secondary schedule days of the week
hours_of_day	String	Snapvault secondary schedule hours of the day
is_auto_update	String	Is snapvault auto updatable?
last_updated	Date	Date and time last updated
nap_snapvault_sec_schd_id	Number	Primary key
nap_storage_system_id	Number	Foreign key to aps_v_nap_storage_system
nap_volume_id	Number	Foreign key to aps_v_nap_volume
retention_count	Number	Retention count
schedule_name	String	Schedule name

status	String	Snapvault status
system_name	String	System name

aps_v_nap_snapvault_status *(NetApp SnapVault Views)*

Contains NetApp SnapVault status

Column Name	Data Type	Description
base_snapshot_name	String	Base snapshot name
contents	String	Snapvault contents
cur_transfer_type	String	Current transfer type
lag_time	Number	Lag time
last_transfer_duration	Number	Last transfer duration
last_transfer_from	String	Last transfered from
last_transfer_size_kb	Number	Last transfer size in KiB
last_transfer_type	String	Last transfer type
last_updated	Date	Date and time last updated
mirror_state	String	Mirror state
mirror_status	String	Mirror status
mirror_timestamp	Date	Mirror timestamp
nap_snapvault_config_id	Number	Foreign key to aps_v_nap_snapvault_config
nap_snapvault_status_id	Number	Primary key
summary_status	Number	Summary status
transfer_progress	Number	Snapvault transfer progress

Base Virtualization Views (Go to Top)

apt_v_virtual_center apt_v_virtual_system

apt_v_virtual_center *(Base Virtualization Views)*

Contains a single row for a Virtual Center

Column Name	Data Type	Description
child_thread_id	Number	Child thread identifier
collection_status	Number	Collection Status
domain_id	Number	Foreign key to apt_v_domain view
host_id	Number	Host ID
last_updated	Date	Date and time on which this Virtual Center was last updated in the Portal database
virtual_center_id	Number	Sequence generated primary key of the view

apt_v_virtual_system *(Base Virtualization Views)*

Contains a single row for a Virtual System

Column Name	Data Type	Description
child_thread_id	Number	Child thread ID
collection_status	Number	Collection status
domain_id	Number	Foreign key to apt_v_domain view
host_id	Number	Foreign key to host details
is_active	String	Y or N indicating if the virtual system is active or not
last_updated	Date	Date and time last updated
tot_cpu	Number	Total CPU capacity
tot_memory_kb	Number	Total memory capacity in KiB
virtual_center_id	Number	Virtual Center ID
virtual_system_id	Number	Sequence generated primary key of the view
virtual_system_name	String	Virtual system name
vmw_cluster_id	Number	Foreign key to cluster details

apt_v_vio_disk_path
apt_v_vio_guest_allocusage_log
apt_v_vio_partition
apt_v_vio_scsi_adapter
apt_v_vio_server
apt_v_vio_target_device
apt_v_vio_virtual_system

apt_v_vio_disk_path *(IBM VIO Views)*

Associates VIO Server with LUN

Column Name	Data Type	Description
client_host_id	Number	foreign key to client host details
client_host_name	String	client host name
client_ip_address	String	client ip address
disk_id	String	disk ID
disk_size_gb	Number	disk size in GiB
host_disk_id	Number	foreign key to host disk details
logical_unit_id	Number	foreign key to logical unit details
logical_unit_name	String	logical unit name
lun_size_gb	Number	LUN size in GiB
storage_array_id	Number	foreign key to storage array details
storage_array_name	String	storage array name
vio_server_host_id	Number	foreign key to VIO server details
vio_server_host_name	String	VIO server name
vio_server_ip_address	String	VIO server ip address

apt_v_vio_guest_allocusage_log *(IBM VIO Views)*

Contains a single row for each VIO Guest historical storage usage.

Column Name	Data Type	Description
host_id	Number	Foreign key to host details

host_name	String	Host Name
host_type	String	Host Type
log_date	Date	Date/Time when the history was captured
total_volume_size_gb	Number	Total volume size in GiB
total_volume_size_kb	Number	Total volume size in KiB
used_volume_size_gb	Number	Used volume size in GiB
used_volume_size_kb	Number	Used volume size in KiB
vm_host_id	Number	Foreign key to VM server details
vm_host_name	String	VM Server Name
vm_id	Number	Foreign key to VM details
vm_name	String	VM name
vm_size_gb	Number	VM size in GiB
vm_size_kb	Number	VM size in KiB

apt_v_vio_partition *(IBM VIO Views)*

Each VIO Server can be divided in logical partitions.

Column Name	Data Type	Description
domain_id	Number	Foreign key to the apt_v_domain view
host_id	Number	Foreign key to the apt_v_host view
last_updated	Date	Date and time last updated
logical_serial_nbr	String	Logical Serial Number of the LPAR.
lpar_id	Number	LPAR Id from the collector
os_version	String	OS Version running on the LPAR
partition_id	Number	System generated identifier for the Partition. Primary key in this view.
partition_name	String	Name of the LPAR.
partition_type	String	Type of the LPAR. This Provides the information about the LPAR whether its VIOServer or Client.
profile_name	String	Profile Name of the LPAR Configuration.
state	String	State of the LPAR. Possible values: Running
virtual_system_id	Number	Foreign key to the apt_v_vio_virtual_system view

apt_v_vio_scsi_adapter *(IBM VIO Views)*

SCSI Adapters can be assigned to each lpar.

Column Name	Data Type	Description
adapter_name	String	Name of the Virtual Scsi Adapter. Eg: vhost.
client_lpar_id	Number	LPAR ID of the Client to which it is connected
client_slot_nbr	Number	Slot Number of the Client
last_updated	Date	Date and time last updated
partition_id	Number	Foreign key to the apt_v_vio_partition view
physical_location	String	Physical Location of the Virtual Scsi Adapter.
server_slot_nbr	Number	Slot Number on the VIO Server
state	String	State of the Adapter
vio_scsi_adapter_id	Number	System generated identifier for the SCSI adapter. Primary key in this view.
virtual_system_id	Number	Foreign key to the apt_v_vio_virtual_system view

apt_v_vio_server *(IBM VIO Views)*

VIO Server software is a modified AIX operating system on Power5 Series and can support the Linux and AIX client.

Column Name	Data Type	Description
is_ivm_available	String	Integrated Virtualization Manager(IVM) available or not
last_updated	Date	Date and time last updated
partition_id	Number	Foreign key to the apt_v_vio_partition view
server_address	String	Server Address
software_version	String	Software Version of the server
vio_fix_pack	String	Version of the service pack
virtual_system_id	Number	Foreign key to the apt_v_vio_virtual_system view

apt_v_vio_target_device *(IBM VIO Views)*

Target disks or backing devices connecting to the VIO Servers

Column Name	Data Type	Description
array_port_wwn_id	Number	Foreign key to the aps_wwn table
backing_device	String	DISK or Physical or Logical Volumes of the VIO Server. This should be used for Mapping to the Parttion or Disk host Resources Entry of the Client
client_lun_nbr	Number	Client Lun Number as seen by the Client Disks Location. This should be used for Mapping for Client to VIOS.
controller	Number	Controller Number within the Physical Location.
last_updated	Date	Date and time last updated
partition_id	Number	Foreign key to the apt_v_vio_partition view
physical_location	String	Physical Location of the Taget Device.
server_lun_nbr	Number	LUN Number on the VIO Server. This field will be present if the whole disk is allocated to the Client.
status	String	Status of the VTD
target_device_name	String	Name of the Virtual Target Device.
vio_scsi_adapter_id	Number	Foreign key to the apt_v_vio_scsi_adapter view
vio_target_device_id	Number	System generated identifier for the Targer device. Primary key in this view.
virtual_system_id	Number	Foreign key to the apt_v_vio_virtual_system view

apt_v_vio_virtual_system *(IBM VIO Views)*

Virtual I/O Server (VIOS) is part of the Advanced POWER Virtualization hardware feature on IBM System p5

Column Name	Data Type	Description
domain_id	Number	Foreign key to the apt_v_domain view
hmc_frame_name	String	IBM Frame Name as Managed by the HMC
is_active	String	Whether the virtual system is active or not
last_updated	Date	Date and time last updated
lpar_managed_by	String	VIOS Managed by the HMC or IVM with the possible values as HMC or IVM
lpar_mgmt_name	String	HMC Name for HMC Managed VIOS. VIOS Name for IVM Managed VIOS.

serial_nbr	String	Serial Number of the IBM Frame obtained from HMC or IVM.
virtual_system_id	Number	System generated identifier for the Virtual System. Primary key in this view.
virtual_system_name	String	Name of the Virtual System

Oracle Container/Zone Views (Go to Top)

apt_v_sol_zone
apt_v_sol_zone_ip_address
apt_v_sol_zone_rtcl
apt_v_sol_zone_dataset

apt_v_sol_zone *(Oracle Container/Zone Views)*

Contains a single row for each Oracle Zone.

Column Name	Data Type	Description
autoboot	String	Set the autoboot resource property in a zones configuration to true, that means zone is automatically booted when the global zone is booted. The default setting is false.
boot_argument	String	Boot argument for the zone.
brand	String	Although all zones on the system share a common kernel, an additional feature set has been added called branded zones (BrandZ for short). This allows individual zones to behave in a manner other than the default brand of the global zone.
capped_cpu	Number	Specify the number of CPUs limit of to be used by the zone.
capped_memory_locked_gb	Number	Specifies the locked memory limits for zone in GiB.
capped_memory_locked_kb	Number	Specifies the locked memory limits for zone in KiB.
capped_memory_physical_gb	Number	Specifies the physical memory limits for zone in GiB.
capped_memory_physical_kb	Number	Specifies the physical memory limits for zone in KiB.
capped_memory_swap_bb	Number	Specifies the swap memory limits for zone in GiB.
capped_memory_swap_kb	Number	Specifies the swap memory limits for zone in KiB.
creation_date	Date	The date and time the Oracle Zone data was created in the database.
host_id	Number	Unique identifier for the host.
host_name	String	The name of the host.
ip_type	String	A zone can either have its own exclusive instance of IP (the default) or share the IP instance with the global zone. In the default zone template, SYSdefault, ip-type is set to exclusive. In the also-supplied SYSdefault-shared-ip template, ip-type is set to shared.
last_updated	Date	The date and time the Oracle Zone data was last updated in the database.
limit_priv	String	Privilege restriction on a zone to prevents a zone from performing operations that might affect other zones.

parent_host_id	Number	Unique identifier for the parent host.
parent_host_name	String	The name of the parent host.
partition_id	Number	Primary key in this view
pool	String	Pool of cpu in from container object which is associated with the current zone.
scheduling_class	String	scheduling class for the zone.
zone_name	String	Unique name of zone
zone_path	String	Location/Path of of installed zone on host container.
zone_status	String	Status of Zone.A zone can be in one of the following states: Configured: configuration was completed and committed Incomplete: Transition state during install or uninstall operation Installed: the packages have been successfully installed Ready: the virtual platform has been established Running: the zone booted successfully and is now running Shutting down: the zone is in the process of shutting down - this is a temporary state, leading to "Down" Down: the zone has completed the shut down process and is down - this is a temporary state, leading to "Installed"

apt_v_sol_zone_dataset *(Oracle Container/Zone Views)*

Contains a single row for each Oracle Zone dataset.

Column Name	Data Type	Description
creation_date	Date	The date and time the Oracle Zone dataset data was created in the database.
dataset_value	String	value of dataset.
host_id	Number	Unique identifier for the host.
host_name	String	The name of the host.
last_updated	Date	The date and time the Oracle Zone dataset data was last updated in the database.
partition_id	Number	Foreign key in this view
storage_pool_id	Number	Foreign key in the storage pool.
storage_pool_name	String	storage pool name

apt_v_sol_zone_ip_address *(Oracle Container/Zone Views)*

Contains a single row for each Oracle Zone ip address.

Column Name	Data Type	Description
creation_date	Date	The date and time the Oracle Zone ip address data was created in the database.
host_id	Number	Unique identifier for the host.
host_name	String	The name of the host.
ip_address	String	ip address
last_updated	Date	The date and time the Oracle Zone ip address data was last updated in the database.
partition_id	Number	Foreign key in this view
physical_name	String	Physical name

VMware Views (Go to Top)

apt_v_partition
apt_v_vmw_cluster
apt_v_vmw_container
apt_v_vmw_datastore
apt_v_vmw_datastore_file
apt_v_vmw_datastore_log
apt_v_vmw_datastore_usage
apt_v_vmw_extent
apt_v_vmw_fc_adapter
apt_v_vmw_fc_target
apt_v_vmw_guest_allocusage_log
apt_v_vmw_hardware
apt_v_vmw_map_datastore_lun
apt_v_vmw_map_snapshot_file
apt_v_vmw_partition_profile
apt_v_vmw_partition_stats
apt_v_vmw_partition_stats_log
apt_v_vmw_perform_cpu_log
apt_v_vmw_perform_disk_log
apt_v_vmw_perform_memory_log
apt_v_vmw_physical_disk
apt_v_vmw_rdisk_host
apt_v_vmw_virtual_disk
apt_v_vmw_virtual_machine
apt_v_vmw_virtual_machine_log
apt_v_vmw_vm_datastore_usage
apt_v_vmw_vmfile
apt_v_vmw_vmfile_not_inventory
apt_v_vmw_vmguest_disk
apt_v_vmw_vmguest_disk_log
apt_v_vmw_vmsnapshot_log
apt_v_vmw_vmsnapshot_tree

apt_v_partition *(VMware Views)*

Contains one row for each VM partition

Column Name	Data Type	Description
annotation	String	Annotation
boot_time	String	Boot time
child_thread_id	Number	Child thread ID
collection_status	Number	Collection status of the partition

domain_id	Number	Foreign key to apt_v_domain
host_id	Number	Foreign key to apt_v_server
last_updated	Date	Date and time last updated
memory_size_kb	Number	Memory size in KiB
nbr_cpu	Number	Number of CPUs
parent_partition_id	Number	Partition ID of the parent
partition_id	Number	Primary Key
partition_name	String	Partition Name
partition_type	String	Partition type
power_state	String	Power state
root_reference_name	String	Root reference name
uuid	String	UUID
virtual_center_id	Number	Foreign key to apt_v_virtual_center
virtual_system_id	Number	Foreign key to apt_v_virtual_system

apt_v_vmw_cluster *(VMware Views)*

Contains a single row for each VMware cluster.

Column Name	Data Type	Description
child_thread_id	Number	Child thread ID
cluster_name	String	Cluster Name
domain_id	Number	Foreign key to domain details
domain_name	String	Domain Name
drs_is_autolevel	Char	indicates whether DRS Behavior overrides for individual virtual machines (ClusterDrsVmConfigInfo) are enabled. The default value is true.
drs_is_enabled	Char	indicates whether the service is enabled.
drs_mode	String	Default Vm behaviour. Values: FullyAutomated/manual/partiallyAutomated
effective_cpu_mhz	Number	Effective CPU resources (in MHz) available to run virtual machines. This is the aggregated effective resource level from all running hosts. Hosts that are in maintenance mode or are unresponsive are not counted. Resources used by the VMware Service Console are not included in the aggregate. This value represents the amount of resources available for the root resource pool for running virtual machines.
effective_memory_kb	Number	Effective memory resources (in MiB) available to run virtual machines. This is the aggregated effective resource level from all running hosts. Hosts that are in maintenance mode or are unresponsive are not counted. Resources used by the VMware Service Console are not included in the aggregate. This value represents the amount of resources available for the root resource pool for running virtual machines.

ha_failover_level	String	Configured failover level. This is the number of physical host failures that can be tolerated without impacting the ability to satisfy the minimums for all running virtual machines. Acceptable values range from one to four.
ha_is_admission_ctrl_enabled	Char	indicates whether strict admission control is enabled.
ha_is_enabled	Char	indicates whether or not vSphere HA feature is enabled.
ha_isolation_response	String	Indicates whether or not the virtual machine should be powered off if a host determines that it is isolated from the rest of the compute resource.
ha_nbr_of_slots	Number	The total number of slots available in the cluster.
ha_nbr_of_used_slots	Number	The number of slots currently being used.
ha_nbr_of_virtual_cpu	Number	The number of slots currently being used.
ha_restart_priority	String	Restart priority for a virtual machine.
ha_slot_cpu_speed_mhz	Number	The cpu speed of a slot is defined as the maximum cpu reservation of any powered on virtual machine in the cluster, or any otherwise defined minimum, whichever is larger.
ha_slot_memory_kb	Number	The memory size of a slot is defined as the maximum memory reservation plus memory overhead of any powered on virtual machine in the cluster, or any otherwise defined minimum, whichever is larger.
last_updated	Date	Last modified date
nbr_of_cpu_cores	Number	Number of physical CPU cores. Physical CPU cores are the processors contained by a CPU package.
nbr_of_cpu_threads	Number	Aggregated number of CPU threads.
nbr_of_effective_hosts	Number	Total number of effective hosts.
nbr_of_hosts	Number	Total number of hosts.
overall_status	String	The Status enumeration defines a general "health" value for a managed entity.
swapfile_policy	String	Swapfile placement policy for virtual machines within cluster.
total_cpu_mhz	Number	Aggregated CPU resources of all hosts, in MHz.
total_memory_kb	Number	Aggregated memory resources of all hosts in KiB.
vmw_cluster_id	Number	Sequence generated Primary key

apt_v_vmw_container *(VMware Views)*

Contains a single row for each VMware virtual machine container.

Column Name	Data Type	Description
child_thread_id	Number	Child thread ID
container_name	String	container name
container_type	String	Container Type

domain_id	Number	Foreign key to apt_v_domain
domain_name	String	Domain Name
last_updated	Date	Last modified date
parent_container_id	Number	Parent Container ID
partition_id	Number	Foreign key for apt_v_partition
partition_name	String	Partition name
reference_name	String	reference Name
root_container_id	Number	Root Container ID
virtual_center_id	Number	Virtual Center ID
virtual_system_id	Number	Foreign key to apt_v_virtual_system
virtual_system_name	String	Name of the virtual system
vmw_container_id	Number	Foreign key for VM Host

apt_v_vmw_datastore *(VMware Views)*

Contains a single row for each VMware datastore.

Column Name	Data Type	Description
block_size_kb	Number	Block size in KiB
child_thread_id	Number	Child thread ID
datastore_name	String	Datastore Name
datastore_type	String	Datastore type
domain_id	Number	Domain ID
free_capacity_kb	Number	Available capacity to use in KiB
is_file_thin_prov_supported	Char	Indicates whether or not the datastore supports thin provisioning on a per file basis.
is_multi_host_access	String	Is multi host access enabled?
is_thin_provisioned	Char	Indicates if the virtual disk is thinly provisioned.
last_updated	Date	Date and time last updated
local_path_name	String	Local path name
remote_host_name	String	Remote host name
remote_ip_address	String	Remote ip address

remote_path_name	String	Remote path name
remote_storage_array_id	Number	Remote storage array ID. Foreign key to aps_storage_array.
remote_storage_array_name	String	Storage array name
tot_capacity_kb	Number	Total capacity on the datastore in KiB
url	String	URL
uuid	String	UUID
version	String	Version of the datastore
vmw_datastore_id	Number	Primary key

apt_v_vmw_datastore_file *(VMware Views)*

Contains a single row for each VM Ware datastore file.

Column Name	Data Type	Description
child_thread_id	Number	Foreign key from apt_child_thread
domain_id	Number	Foreign key from apt_v_domain
file_name	String	Datastore file name
file_path	String	Datastore file path
file_type	String	Datastore file type
is_thin_provisioned	Char	Indicates if the datastore file is thinly provisioned.
last_modified_date	Date	Date and time the datastore file was modified
last_updated	Date	Date and time last updated
size_kb	Number	Datastore file size in KiB
top_folder	String	Top folder of the datastore file
virtual_disk_capacity_kb	Number	Virtual disk total capacity in KiB
vmw_datastore_file_id	Number	Sequence generated primary key
vmw_datastore_id	Number	Foreign key from apt_vmw_datastore

apt_v_vmw_datastore_log *(VMware Views)*

Log for the frequently changing data from VMware Datastore.

Column Name	Data Type	Description
datastore_name	String	Datastore Name
domain_id	Number	Domain ID
free_capacity_gb	Number	Available capacity to use in GiB
free_capacity_kb	Number	Available capacity to use in KiB
log_date	Date	Log Date
tot_capacity_gb	Number	Total capacity on the datastore in GiB
tot_capacity_kb	Number	Total capacity on the datastore in KiB
vmw_datastore_id	Number	Foreign key for VMW Datastore details

apt_v_vmw_datastore_usage *(VMware Views)*

Contains a single row for each VMware datastore.

Column Name	Data Type	Description
datastore_name	String	Datastore name
ds_free_kb	Number	datastore free space in KiB
ds_used_kb	Number	datastore used space in KiB
other_files_kb	Number	datastore used space by other files (such as ISO files) in KiB
total_ds_capacity_kb	Number	Total datastore capacity in KiB
total_other_vmfile_size_kb	Number	datastore used space by other vm files (exclude vm disk files) in inventory in KiB
total_snapshot_size_kb	Number	Total snapshot file size in KiB
total_vm_not_inventory_kb	Number	datastore used space by VMS NOT in inventory in KiB
total_vm_size_kb	Number	datastore used space by VMS in inventory in KiB
total_vmdisk_size_kb	Number	datastore used space by vm disk files in inventory in KiB
vmw_datastore_id	Number	Foreign key of the datastore ID for VMware Datastore

apt_v_vmw_extent *(VMware Views)*

Contains vmw extents information

Column Name	Data Type	Description
canonical_name	String	Name of the VMware extent
capacity_kb	Number	Capacity in KiB for the VMware extent
child_thread_id	Number	Child thread ID
datastore_name	String	Name of the datastore for the VMware extent
domain_id	Number	Foreign key from apt_v_domain
extent_mode	String	Mode of the VMware extent
extent_type	String	Type of the VMware extent
last_updated	Date	Last updated date of the extent
partition_num	Number	Partition number of the VMware extent
virtual_system_id	Number	Foreign key to apt_v_virtual_system
virtual_system_name	String	Name of the virtual system
vmw_datastore_id	Number	Foreign key from apt_vmw_datastore
vmw_extent_id	Number	VMware Extent unique identifier
vmw_physical_disk_id	Number	Foreign key for physical disk

apt_v_vmw_fc_adapter *(VMware Views)*

Contains a single row for each VMware Fibre Channel adapter.

Column Name	Data Type	Description
device_name	String	Host bus adapter device name
last_updated	Date	Last updated date
model	String	Model
node_wwn	String	Host bus adapter node world wide name
node_wwn_id	Number	Foreign key to aps_wwn
pci	String	Pci
port_wwn	String	World Wide Name for the port
port_wwn_id	Number	Foreign key to port world wide name details
speed_mbps	Number	Speed in megabytes per second
status	String	Status

virtual_system_id	Number	Foreign key to the apt_v_virtual_system view
virtual_system_name	String	Name of the Virtual System

apt_v_vmw_fc_target *(VMware Views)*

Contains a single row for each VMware Fibre Channel target.

Column Name	Data Type	Description
array_node_wwn	String	Array node world wide name
array_node_wwn_id	Number	Array node wwn ID
array_port_wwn	String	Array port world wide name
array_port_wwn_id	Number	Foreign key to the aps_wwn table
hba_node_wwn	String	Host bus adaptor node world wide name
hba_node_wwn_id	Number	Host bus adaptor node wwn id
hba_port_wwn	String	Host bus adaptor port world wide name
hba_port_wwn_id	Number	Host bus adaptor port wwn id
last_updated	Date	Last updated date
lun_nbr	Number	Logical unit number
path_name	String	Path name
path_status	String	Path status
target_nbr	Number	Target number
virtual_system_id	Number	Foreign key to the apt_v_virtual_system view
virtual_system_name	String	Name of the Virtual System
vmw_physical_disk_id	Number	Foreign key for VMW Physical Disk

apt_v_vmw_guest_allocusage_log *(VMware Views)*

Contains a single row for each VM Guest historical storage usage.

Column Name	Data Type	Description
host_id	Number	Foreign key to host details

host_name	String	Host Name
host_type	String	Host Type
log_date	Date	Date/Time when the history was captured
total_volume_size_gb	Number	Total volume size in GiB
total_volume_size_kb	Number	Total volume size in KiB
used_volume_size_gb	Number	Used volume size in GiB
used_volume_size_kb	Number	Used volume size in KiB
vm_host_id	Number	Foreign key to VM server details
vm_host_name	String	VM Server Name
vm_id	Number	Foreign key to VM details
vm_name	String	VM name
vm_size_gb	Number	VM size in GiB
vm_size_kb	Number	VM size in KiB

apt_v_vmw_hardware *(VMware Views)*

Contains a single row for each VMware virtual machine hardware.

Column Name	Data Type	Description
cpu_description	String	CPU Description
cpu_package_num	NUMBER	CPU Package Number
cpu_speed_mhz	NUMBER	CPU Speed MHZ
cpu_thread_num	NUMBER	CPU thread Number
cpu_vendor	String	CPU Vendor
last_updated	Date	Last modified date
system_model	String	System Model
system_uuid	String	System UUID
system_vendor	String	System Vendor
virtual_system_id	NUMBER	Virtual System ID
virtual_system_name	String	Name of the virtual system

apt_v_vmw_map_datastore_lun *(VMware Views)*

Contains a single row for each mapping between a datastore and a LUN.

Column Name	Data Type	Description
array_name	String	array name
datastore_name	String	Datastore Name
logical_unit_id	Number	foreign key to logical unit details
logical_unit_name	String	logical unit name (or device number for un-named LUNs)
storage_array_id	Number	foreign key to storage array details
vmw_datastore_id	Number	Foreign key of the datastore ID for VMware Datastore

apt_v_vmw_map_snapshot_file *(VMware Views)*

Contains a single row for each mapping between a VMWare snapshot and a VM file.

Column Name	Data Type	Description
datastore_name	string	datastore name
domain_id	Number	Foreign key to domain details
domain_name	String	Domain Name
file_name	string	datastore file name
file_path	string	datastore file path
last_updated	Date	Last modified date
partition_id	Number	Foreign key for partition
partition_name	String	Partition name
short_snapshot_name	String	short snapshot name
virtual_system_id	Number	Foreign key for VM Host
virtual_system_name	String	VM Host name
vmw_datastore_file_id	number	foreign key for datastore file
vmw_datastore_id	number	foreign key for datastore

vmw_snapshot_id	Number	Foreign key for VMW snapshot

apt_v_vmw_partition_profile *(VMware Views)*

Contains a single row for each VM partition profile.

Column Name	Data Type	Description
child_thread_id	Number	Child thread ID
last_updated	Date	Last modified date
nbr_ethernet_card	Number	Number of ethernet cards
os	String	Operating System
partition_id	Number	Foreign key for partition
partition_name	String	Partition name
partition_type	String	Partition type
virtual_system_id	Number	Foreign key for VM Host

apt_v_vmw_partition_stats *(VMware Views)*

Contains a single row for each VMware partition stat.

Column Name	Data Type	Description
child_thread_id	Number	Child thread ID
connection_state	String	Connection State
cpu_usage	Number	CPU Usage
guest_memory_usage_kb	Number	Memory usage by guest in KiB
hardware_status	String	Hardware Status
host_memory_usage_kb	Number	Memory usage by host in KiB
last_updated	Date	Last modified date
memory_usage_kb	Number	Memory usage in KiB
overall_cpu_usage	Number	Overall CPU usage
partition_id	Number	Foreign key for partition

partition_name	String	Partition name
partition_type	String	Partition type
status	String	Status
suspend_time	String	Suspend Time
virtual_system_id	Number	Foreign key for VM Host

apt_v_vmw_partition_stats_log *(VMware Views)*

Contains a single row for each VMware partition stat log.

Column Name	Data Type	Description
cpu_speed_mhz	Number	CPU speedin MHz
cpu_usage	Number	CPU Usage
guest_memory_usage_kb	Number	Memory usage by guest in KiB
host_memory_usage_kb	Number	Memory usage by host in KiB
log_date	Date	Last modified date
memory_size_kb	Number	Memory size in KiB
memory_usage_kb	Number	Memory usage in KiB
nbr_cpu	Number	Number of CPUs
overall_cpu_usage	Number	Overall CPU usage
partition_id	Number	Foreign key for partition
partition_name	String	Partition name
partition_type	String	Partition type
virtual_system_id	Number	Foreign key for VM Host

apt_v_vmw_perform_cpu_log *(VMware Views)*

Contains a single row for each CPU performance data of a interval.

Column Name	Data Type	Description
avg_cpu_ready_ms	Number	Average CPU ready time in millisecond

avg_cpu_usage_mhz	Number	Average CPU usage in Mhz
avg_cpu_usage_pct	Number	Average CPU usage in percentage
avg_cpu_wait_ms	Number	Average CPU wait time in millisecond
end_log_date	Date	End timestamp
instance_name	String	Instance name
interval_sec	Number	Interval in second
partition_id	Number	Foreign key for partition
partition_name	String	Partition name
partition_type	String	Partition type: HOST or VM
start_log_date	Date	Start timestamp

apt_v_vmw_perform_disk_log *(VMware Views)*

Contains a single row for each Disk performance data of a interval.

Column Name	Data Type	Description
avg_device_read_latency_ms	Number	Average device read latency in millisecond
avg_device_write_latency_ms	Number	Average device write latency in millisecond
avg_of_all_disk_usage_kb	Number	Average of all disks usage in KiB
avg_queue_latency_ms	Number	Average amount of time spent in the VMkernal queue, per SCSI command, during the collection interval.
avg_queue_read_latency_ms	Number	Average amount of time spent in the VMkernal queue, per SCSI read command, during the collection interval.
avg_queue_write_latency_ms	Number	Average amount of time spent in the VMkernal queue, per SCSI write command, during the collection interval.
disk_read_kbps	Number	Disk read in Kbps
disk_write_kbps	Number	Disk write in Kbps
end_log_date	Date	End timestamp
instance_name	String	Instance name
interval_sec	Number	Interval in second
max_queue_depth	Number	Maximum queue depth.
nbr_of_disk_read	Number	Number of disk read
nbr_of_disk_write	Number	Number of disk write
partition_id	Number	Foreign key for partition

partition_name	String	Partition name
partition_type	String	Partition type: HOST or VM
start_log_date	Date	Start timestamp
virtual_system_id	Number	Foreign key for VM Host
vmw_physical_disk_id	Number	Foreign key for VMW Physical Disk

apt_v_vmw_perform_memory_log *(VMware Views)*

Contains a single row for each Memory performance data of a interval.

Column Name	Data Type	Description
avg_balloon_memory_kb	Number	Average balloon memory usage in KiB
avg_memory_usage_kb	Number	Average Memory usage in KiB
avg_memory_usage_pct	Number	Average Memory usage in percentage
end_log_date	Date	End timestamp
interval_sec	Number	Interval in second
partition_id	Number	Foreign key for partition
partition_name	String	Partition name
partition_type	String	Partition type: HOST or VM
start_log_date	Date	Start timestamp

apt_v_vmw_physical_disk *(VMware Views)*

Contains a single row for each VM physical disk.

Column Name	Data Type	Description
adaptor_type	String	Adaptor type
canonical_name	String	Canonical name
capacity_kb	Number	Capacity in KiB
device_name	String	Device name
device_type	String	Device type

domain_id	Number	Foreign key to domain details
host_disk_id	Number	Foreign key to host disk details
last_updated	Date	Last modified date
model	String	Model
operational_state	String	Operational state
path_policy	String	Path policy
scsi_bus_nbr	Number	SCSI bus number
scsi_device_name	String	SCSI device name
scsi_level	Number	SCSI level
scsi_os_lun_nbr	Number	SCSI OS lun number
scsi_target_nbr	String	SCSI target name
uuid	String	UUID
vendor	String	Vendor
virtual_system_id	Number	Foreign key for VM Host
virtual_system_name	String	VM Host name
vmw_physical_disk_id	Number	Foreign key for physical disk

apt_v_vmw_rdisk_host *(VMware Views)*

Contains a single row for each VMWare raw disk connecting to host and lun.

Column Name	Data Type	Description
array_name	String	Storage array name
client_host_id	Number	Foreign key to host details
domain_id	Number	Foreign key to domain details.
host_disk_id	Number	Foreign key to host disk details
host_name	String	Host name
host_type	String	Host type
logical_unit_id	Number	Foreign key to logical unit details
logical_unit_name	String	Logical unit name
storage_array_id	Number	Foreign key to aps_storage_array.

total_capacity_kb	Number	Total capacity in KiB

apt_v_vmw_virtual_disk *(VMware Views)*

Contains a single row for each VM virtual disk.

Column Name	Data Type	Description
datastore_name	String	Datastore name
device_key	Number	Device key
disk_label	String	Disk label
disk_type	String	Disk type
domain_id	Number	Foreign key to domain details
file_name	String	File name
file_path	String	File path
is_thin_provisioned	Char	Indicates if the virtual disk is thinly provisioned.
last_updated	Date	Last modified date
partition_id	Number	Foreign key for partition
partition_name	String	Partition name
rdisk_lun_name	String	Raw disk lun name
rdisk_mode	Number	Raw disk mode
scsi_bus_num	Number	SCSI bus number
scsi_bus_type	Number	SCSI bus type
scsi_unit_num	Number	SCSI unit number
vdisk_tot_capacity_kb	Number	Virtual disk total capacity in KiB
virtual_system_id	Number	Foreign key for VM Host
virtual_system_name	String	VM Host name
vmw_datastore_id	Number	Foreign key for VMW Datastore details
vmw_virtual_disk_id	Number	Foreign key for virtual disk

apt_v_vmw_virtual_machine *(VMware Views)*

Contains a single row for each VMware virtual machine.

Column Name	Data Type	Description
child_thread_id	Number	Child thread ID
current_snapshot	String	current snapshot
domain_id	Number	Foreign key to domain details
guest_state	String	guest state
host_name	String	host name
ip_address	String	ip address
last_updated	Date	Last modified date
partition_id	Number	Foreign key for partition
partition_name	String	Partition name
partition_type	String	Partition type
resource_pool_name	String	resource pool name
tools_status	String	VM Tools status
tools_version	String	VM Tools version
total_size_kb	Number	total size in KiB
virtual_system_id	Number	Foreign key for VM Host
virtual_system_name	String	VM Host name
vm_path_name	String	VM path name
vmw_datastore_id	Number	Foreign key for VMW Datastore details

apt_v_vmw_virtual_machine_log *(VMware Views)*

Contains a single row for each VMware virtual machine log.

Column Name	Data Type	Description
guest_state	String	guest state

log_date	Date	Last modified date
partition_id	Number	Foreign key for partition
total_size_kb	Number	Total size in KiB

apt_v_vmw_vm_datastore_usage *(VMware Views)*

Contains a single row for each VMware VM guest/datastore relationship.

Column Name	Data Type	Description
committed_kb	Number	Storage space, in KiB, on this datastore that is actually being used by the virtual machine.
datastore_name	String	Datastore name
domain_id	Number	Foreign key to domain details
domain_name	String	Domain Name
last_updated	Date	Last modified date
partition_id	Number	Foreign key for partition
partition_name	String	Partition name
uncommitted_kb	Number	Additional storage space, in KiB, potentially used by the virtual machine on this datastore. For example, when lazily allocated disks grow, or storage for swap is allocated when powering on the virtual machine. If the virtual machine is running off delta disks (for example because a snapshot was taken), then only the potential growth of the currently used delta-disks is considered.
unshared	Number	Storage space, in KiB, occupied by the virtual machine on this datastore that is not shared with any other virtual machine
virtual_system_id	Number	Foreign key for VM Host
virtual_system_name	String	VM Host name
vmw_datastore_id	Number	Foreign key for VMW Datastore details

apt_v_vmw_vmfile *(VMware Views)*

Contains a single row for each VM File.

Column Name	Data Type	Description
array_name	String	array name
datastore_name	String	Datastore Name
file_name	String	File name

file_path	String	File path
file_size	Number	File size in KiB
file_type	String	File type
host_id	Number	Foreign key to host details
host_name	String	Host name
last_updated	Date	Last modified date
logical_unit_id	Number	foreign key to logical unit details
logical_unit_name	String	logical unit name (or device number for un-named LUNs)
partition_id	Number	Foreign key to VM details
storage_array_id	Number	foreign key to storage array details
virtual_system_id	Number	Foreign key to VM server details
vm_host_id	Number	Foreign key to VM server details
vm_host_name	String	VM Server Name
vm_id	Number	Foreign key to VM details
vm_name	String	VM name
vm_status	String	VM status
vmw_datastore_file_id	Number	Foreign key to apt_v_vmw_datastore_file
vmw_datastore_id	Number	Foreign key of the datastore ID for VMware Datastore

apt_v_vmw_vmfile_not_inventory *(VMware Views)*

Contains a single row for each VM File not in inventory.

Column Name	Data Type	Description
datastore_name	String	Datastore Name
file_name	String	File name
file_path	String	File path
file_size	Number	File size in KiB
file_type	String	File type
last_updated	Date	Last modified date
vmw_datastore_id	Number	Foreign key of the datastore ID for VMware Datastore

apt_v_vmw_vmguest_disk *(VMware Views)*

Contains a single row for each VM guest disk.

Column Name	Data Type	Description
capacity_gb	Number	Total Capacity in GiB
disk_path	String	Disk path
domain_id	Number	Foreign key to domain details
free_space_gb	Number	Free space in GiB
host_id	Number	Foreign key to host details
host_name	String	Host name
partition_id	Number	Foreign key for partition
partition_type	String	Partition type
percent_used	Number	Percent of the vm guest disk used
primary_ip_address	String	Primary IP address
used_space_gb	Number	Used space in GiB
virtual_system_id	Number	Foreign key for VM Host
virtual_system_name	String	VM Host name
vm_guest_name	String	VM guest name

apt_v_vmw_vmguest_disk_log *(VMware Views)*

Contains a single row for each VMware virtual machine guest disk log.

Column Name	Data Type	Description
capacity_kb	Number	Total capacity in KiB
disk_path	String	Disk path
free_space_kb	Number	Free Space in KiB
log_date	Date	Last modified date
partition_id	Number	Foreign key for partition

virtual_system_id	Number	Foreign key for VM Host

apt_v_vmw_vmsnapshot_log *(VMware Views)*

Contains a single row for each VMware snapshot log.

Column Name	Data Type	Description
description	String	description
domain_id	Number	Foreign key to domain details
domain_name	String	Domain Name
full_snapshot_name	String	full snapshot name
log_date	Date	Log Date
partition_id	Number	Foreign key for partition
partition_name	String	Partition name
short_snapshot_name	String	short snapshot name
virtual_system_id	Number	Foreign key for VM Host
virtual_system_name	String	VM Host name
vmw_snapshot_id	Number	Foreign key for VMW snapshot

apt_v_vmw_vmsnapshot_tree *(VMware Views)*

Contains a single row for each VMware snapshot tree.

Column Name	Data Type	Description
create_date	Date	create date
description	String	description
domain_id	Number	Foreign key to domain details
full_snapshot_name	String	full snapshot name
last_updated	Date	Last modified date
parent_snapshot_id	Number	Parent vmw snapshot id. Foreign key to vmw vmsnapshot tree details
partition_id	Number	Foreign key for partition

partition_name	String	Partition name
short_snapshot_name	String	short snapshot name
state	String	state
virtual_system_id	Number	Foreign key for VM Host
virtual_system_name	String	VM Host name
vmw_snapshot_id	Number	Foreign key for VMW snapshot

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sdk_v_aws_account *(Amazon Web Services Views)*

AWS account.

Column Name	Data Type	Description
account_number	String	The AWS account ID, a 12-digit number.
alias	String	The account alias.
creation_date	Date	Creation Date
id	Number	Unique ID
last_updated	Date	Last Updated Date
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_address *(Amazon Web Services Views)*

General lookup table for addresses.

Column Name	Data Type	Description
creation_date	Date	Creation Date
hostname	String	Host address or name.
id	Number	Unique ID
ipaddress	String	IP Address.
last_updated	Date	Last Updated Date
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_availability_zone *(Amazon Web Services Views)*

Availability zones where AWS objects reside.

Column Name	Data Type	Description
creation_date	Date	Creation Date
id	Number	Unique ID
last_updated	Date	Last Updated Date
name	String	Specifies the Availability Zone in which an AWS object resides or a charged usage occurred.
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_billing_rec_tag *(Amazon Web Services Views)*

AWS Billing Record to tags.

Column Name	Data Type	Description
billing_record_id	Number	Internal link to Billing Record.
creation_date	Date	Creation Date

id	Number	Unique ID
last_updated	Date	Last Updated Date
tag_id	Number	Internal link to Billing Record to Tag.
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_billing_record *(Amazon Web Services Views)*

AWS billing records

Column Name	Data Type	Description
account_id	Number	Internal link to Account. For consolidated billing accounts, the Linked Account. Otherwise the Payer Account
availability_zone_id	Number	Internal link to Availability Zone containing the availability zone in which charged usage occurred.
blended_cost	Number	Cost for the operation listed in the line item based on the blended rate.
blended_rate	Number	For consolidated billing accounts, the effective rate for the line item, calculated as an average of the cost of identical Amazon EC2 instances operating in that hour in the same Availability Zone.
creation_date	Date	Creation Date
id	Number	Unique ID
invoice_id	Number	Internal link to Invoice containing the AWS invoice number.
item_description_id	Number	Internal link to Billing Item Description describing the type of usage for this line item.
last_updated	Date	Last Updated Date
operation_id	Number	Internal link to Billed Operation containing operational details of the usage line item.
payer_account_id	Number	Internal link to Account containing the paying account for the report.
pricing_plan_id	Number	Numeric ID for the rate listed in the AWS pricing plan for the corresponding service.
product_id	Number	Internal link to AWS Product containing the long name of the AWS product.
rate_id	Number	Numeric rate ID that maps to the Item description. The value is assigned by AWS for the Item description, and identifies the billing rate for computation purposes.
record_id	Number	Unique identifier for each line item. Record IDs are unique for the billing period.
reserved_instance	String	Indicates whether the line item was calculated at a Reserved Instance rate. Values are Y for Yes and N for No.
resource_map_id	Number	Internal link to AWS Resource ID to Resource containing the resource id of the resource being billed for.
subscription_id	Number	Unique identifier for the AWS product described by the line item.
unblended_cost	Number	Cost for the operation listed in the line item based on the unblended rate.
unblended_rate	Number	Published rate per hour of operation for the usage type specified in the Item Description field.

usage_end_date	Date	The end of the applicable charge period. All usage charges and recurring fees between the period start and end are included in your monthly invoice.
usage_quantity	Number	Computing resources used, in the units specified by each service.
usage_start_date	Date	The start of the applicable charge period. All usage charges and recurring fees between the period start and end are included in your monthly invoice.
usage_type_id	Number	Internal link to Billed Usage Type describing the specific usage of the line item.
via_account_id	Number	Internal link to Collecting Account.
year_month	Number	Billing period date identifier, an encoded form of year and month (YYYYMM) this invoice is billed for.

sdk_v_aws_ec2_block_dev_map *(Amazon Web Services Views)*

EC2 instance/volume mappings.

Column Name	Data Type	Description
attached	Date	When the EBS volume was attached to the EC2 instance.
creation_date	Date	Creation Date
delete_on_termination	String	Indicate if the EBS volume will be deleted when the EC2 instance terminates.
device	String	Device name.
ec2_instance_id	Number	Internal link to EC2 Instance.
ec2_volume_id	Number	Internal link to EC2 EBS Volume.
id	Number	Unique ID
last_updated	Date	Last Updated Date
status	String	Attachment status, such as attaching, detaching, or detached
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_ec2_inst_address *(Amazon Web Services Views)*

EC2 instance/addresses.

Column Name	Data Type	Description
address_id	Number	Internal link to Network Address.
attached	Date	When the interface was attached to the EC2 instance.
creation_date	Date	Creation Date

ec2_instance_id	Number	Internal link to EC2 Instance.
id	Number	Unique ID
is_primary	String	Whether the address is the primary address for the EC2 instance, Y or N.
is_public	String	Whether the address is public on the EC2 instance, Y or N.
last_updated	Date	Last Updated Date
status	String	Interface attachment status, such as attaching, detaching, or detached.
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_ec2_inst_secgroup *(Amazon Web Services Views)*

EC2 instance/security group mappings.

Column Name	Data Type	Description
creation_date	Date	Creation Date
ec2_instance_id	Number	Internal link to EC2 Instance.
id	Number	Unique ID
last_updated	Date	Last Updated Date
security_group_id	Number	Internal link to Security Group.
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_ec2_instance *(Amazon Web Services Views)*

EC2 Instance.

Column Name	Data Type	Description
account_id	Number	Internal link to Account for the owning account.
architecture	String	Architecture of the instance.
availability_zone_id	Number	Internal link to Availability Zone where the instance resides.
creation_date	Date	Creation Date
host_id	Number	host_id of apt_host table
hypervisor	String	Type of hypervisor used, such as ovm or xen.

id	Number	Unique ID
image_resource_id	String	The ID of the Amazon Machine Image (AMI) with which the instance was launched.
instance_status	String	Instance status, such as initializing or insufficient-data.
is_ebs_optimized	String	Indicates if the instance is optimized for EBS I/O.
key_pair_resource_id	String	Key-pair ID used when the instance was launched.
last_updated	Date	Last Updated Date
launched	Date	When the instance was launched.
monitoring	String	Monitoring state of the instance.
name	String	AWS Instance Name.
owner	String	Owner account ID.
platform	String	Platform of the guest (blank if not Windows).
region_id	Number	Internal link to Region where the instance resides.
resource_id	String	AWS EC2 Instance ID.
root_device	String	Root device name for the instance, such as /dev/sda2.
root_device_type	String	Root device type, such as ebs or instance-store.
scope_selector_name	String	Combined AWS Instance Name and Instance ID for display purposes.
state	String	Instance state, such as stopping or running.
state_code	Number	Instance state (AWS code).
system_status	String	System status, such as impaired or initializing.
tenancy	String	The EC2 instance tenancy type, such as dedicated or shared.
type	String	Type of instance (determines the instance CPU capacity, memory, and storage).
via_account_id	Number	Internal link to Collecting Account.
virtualization	String	Type of virtualization used for the instance.
vpc_resource_id	String	Virtual Private Cloud (VPC) ID for the instance.

sdk_v_aws_ec2_instance_tag *(Amazon Web Services Views)*

EC2 instance tags.

Column Name	Data Type	Description
creation_date	Date	Creation Date

ec2_instance_id	Number	Internal link to EC2 Instance.
id	Number	Unique ID
last_updated	Date	Last Updated Date
tag_id	Number	Internal link to EC2 Instance to Tag.
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_ec2_snapshot *(Amazon Web Services Views)*

EC2 EBS Volume Snapshot.

Column Name	Data Type	Description
account_id	Number	Internal link to Account for the owning account.
creation_date	Date	Creation Date
description	String	Snapshot description.
ec2_volume_id	Number	Internal link to EBS Volume the snapshot is of.
encrypted	String	Indicates if the volume is encrypted, Y or N.
id	Number	Unique ID
is_current	String	Indicates if the EBS volume is currently at this snapshot.
last_updated	Date	Last Updated Date
name	String	AWS Snapshot Name.
progress_pct	Number	Snapshot creation progress (percentage represented as 0.00 to 1.00).
region_id	Number	Internal link to Region where the the volume snapshot resides.
resource_id	String	EBS Volume Snapshot ID.
started	Date	Date and time when the snapshot creation was started.
state	String	Snapshot status, such as Pending, Completed, or Error
via_account_id	Number	Internal link to Collecting Account.
volume_size_kb	Number	Size of the EBS volume (KiB) when the snapshot was taken.

sdk_v_aws_ec2_snapshot_tag *(Amazon Web Services Views)*

EC2 EBS snapshot tags.

Column Name	Data Type	Description
creation_date	Date	Creation Date
ec2_snapshot_id	Number	Internal link to EC2 EBS Volume Snapshot.
id	Number	Unique ID
last_updated	Date	Last Updated Date
tag_id	Number	Internal link to EC2 Snapshot to Tag.
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_ec2_volume *(Amazon Web Services Views)*

EC2 EBS Volume.

Column Name	Data Type	Description
account_id	Number	Internal link to Account for the owning account.
availability_zone_id	Number	Internal link to Availability Zone in which this volume resides.
created	Date	Date and time when the EBS volume was created.
creation_date	Date	Creation Date
encrypted	String	EBS Volume encrypted status, Y or N.
id	Number	Unique ID
last_updated	Date	Last Updated Date
name	String	EBS Volume Name.
region_id	Number	Internal link to Region in which this volume resides.
resource_id	String	EBS Volume ID.
size_kb	Number	Size of the EBS volume (KiB).
state	String	EBS Volume state, for example Warning or Error
type	String	Type of EBS volume.
via_account_id	Number	Internal link to Collecting Account.
volume_status	String	EBS Volume status, such as OK, Warning, Impaired, or Insufficient Data

sdk_v_aws_ec2_volume_tag *(Amazon Web Services Views)*

EC2 EBS volume to tags.

Column Name	Data Type	Description
creation_date	Date	Creation Date
ec2_volume_id	Number	Internal link to EC2 EBS Volume.
id	Number	Unique ID
last_updated	Date	Last Updated Date
tag_id	Number	Internal link to EC2 EBS Volume to Tag.
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_invoice *(Amazon Web Services Views)*

AWS Invoice numbers for each month of collected AWS Billing Records

Column Name	Data Type	Description
account_id	Number	Internal link to Account, contains Payer Account information.
blended_rounding	Number	Blended rounding for the invoice.
blended_total	Number	Blended total for the invoice.
creation_date	Date	Creation Date
id	Number	Unique ID
last_billing_date	Date	Date of the latest Usage Start Date that was collected for this month.
last_s3_modified_date	Date	Date the s3 object containing the billing records was last modified.
last_updated	Date	Last Updated Date
name	String	The 8-digit identifier for the AWS invoice. This value maps to the invoice number on the PDF file for the corresponding month. If the data is in the current month this field value is Estimated
unblended_rounding	Number	Unblended rounding for the invoice.
unblended_total	Number	Unblended total for the invoice.
via_account_id	Number	Internal link to Collecting Account.

year_month	Number	Billing period date identifier, an encoded form of year and month (YYYYMM) this invoice is billed for.

sdk_v_aws_item_description *(Amazon Web Services Views)*

Item descriptions that appear in the AWS billing files.

Column Name	Data Type	Description
creation_date	Date	Creation Date
id	Number	Unique ID
last_updated	Date	Last Updated Date
name	String	Description of the type of usage for this line item. Includes the average price of any usage that is based on a volume pricing tier. Prices shown are rounded to three decimal places.
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_operation *(Amazon Web Services Views)*

Operations that appear in the AWS billing files.

Column Name	Data Type	Description
creation_date	Date	Creation Date
id	Number	Unique ID
last_updated	Date	Last Updated Date
name	String	Describes the operational details of the usage line item. For example, a value of RunInstances indicates the operation of an Amazon EC2 instance.
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_product *(Amazon Web Services Views)*

AWS product names that appear in the AWS billing files.

Column Name	Data Type	Description
creation_date	Date	Creation Date
id	Number	Unique ID

last_updated	Date	Last Updated Date
name	String	Long name of the AWS product.
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_region *(Amazon Web Services Views)*

Regions where AWS objects can exist.

Column Name	Data Type	Description
creation_date	Date	Creation Date
id	Number	Unique ID
last_updated	Date	Last Updated Date
name	String	Specifies the region in which an AWS object exists.
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_resource_map *(Amazon Web Services Views)*

Mapping from any resource ID or name to one of many different entities (or none at all).

Column Name	Data Type	Description
creation_date	Date	Creation Date
ec2_instance_id	Number	Internal link to EC2 Instance (if any).
ec2_snapshot_id	Number	Internal link to EC2 EBS Volume Snapshot (if any).
ec2_volume_id	Number	Internal link to EC2 EBS Volume (if any).
id	Number	Unique ID
last_updated	Date	Last Updated Date
resource_id	String	The resource ID or name (e.g. EC2 instance ID, S3 bucket name). May be an arbitrary ARN.
s3_bucket_id	Number	Internal link to S3 Bucket (if any).
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_s3_bucket *(Amazon Web Services Views)*

S3 bucket.

Column Name	Data Type	Description
account_id	Number	Internal link to Account for the owning account.
created	Date	Date and time the S3 bucket was created.
creation_date	Date	Creation Date
id	Number	Unique ID
last_updated	Date	Last Updated Date
name	String	S3 bucket name.
owner_id	String	S3 Bucket owner ID.
owner_name	String	S3 Bucket owner name.
region_id	Number	Internal link to Region where the S3 bucket resides.
versioning	String	S3 bucket versioning configuration.
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_s3_bucket_tag *(Amazon Web Services Views)*

S3 bucket tags.

Column Name	Data Type	Description
creation_date	Date	Creation Date
id	Number	Unique ID
last_updated	Date	Last Updated Date
s3_bucket_id	Number	Internal link to S3 Bucket.
tag_id	Number	Internal link to S3 Bucket to Tag.
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_s3_bucket_usage *(Amazon Web Services Views)*

S3 bucket usage.

Column Name	Data Type	Description
count	Number	Number of current objects in the S3 bucket.
creation_date	Date	Creation Date
delete_marker_count	Number	Total number of delete markers in the S3 bucket.
id	Number	Unique ID
last_updated	Date	Last Updated Date
newest_key	String	Newest key of current object in the S3 bucket.
newest_modified	Date	Newest modification date of current objects in the S3 bucket.
oldest_key	String	Oldest key of current object in the S3 bucket.
oldest_modified	Date	Oldest modification date of current objects in the S3 bucket.
s3_bucket_id	Number	Internal link to S3 Bucket.
total_count	Number	Total number of objects, including versions, in the S3 bucket.
total_used_kb	Number	Total used capacity of objects, including versions, in the S3 bucket.
used_kb	Number	Used capacity of current objects in the S3 bucket.
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_security_group *(Amazon Web Services Views)*

AWS security groups

Column Name	Data Type	Description
creation_date	Date	Creation Date
id	Number	Unique ID
last_updated	Date	Last Updated Date
name	String	Security group name.
resource_id	String	Security group ID.

via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_tag *(Amazon Web Services Views)*

General lookup table for object tags.

Column Name	Data Type	Description
creation_date	Date	Creation Date
id	Number	Unique ID
key	String	Tag key.
last_updated	Date	Last Updated Date
value	String	Tag value.
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_usage_type *(Amazon Web Services Views)*

Usages that appear in the AWS billing files.

Column Name	Data Type	Description
creation_date	Date	Creation Date
id	Number	Unique ID
last_updated	Date	Last Updated Date
name	String	Describes the specific usage of the line item.
via_account_id	Number	Internal link to Collecting Account.

sdk_v_aws_via_account *(Amazon Web Services Views)*

AWS account used for the collection process.

Column Name	Data Type	Description
account_number	String	The AWS account ID, a 12-digit number.

creation_date	Date	Creation Date
id	Number	Unique ID
last_updated	Date	Last Updated Date

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sdk_v_msaz_container *(Microsoft Azure Views)*

Storage container in a Storage Account in Microsoft Azure Subscription.

Column Name	Data Type	Description
container_size_kb	Number	Container size in Kilobytes.
creation_date	Date	The date and time the data was created in the Portal database.
e_tag	String	The Entity Tag.
id	Number	Unique ID
last_modified	Date	The last modified time.
last_updated	Date	The date and time the data was last updated in the Portal database.
lease_duration	String	The lease duration. Possible values are {infinite, fixed}.
lease_state	String	The lease state. Possible values are {available,leased,expired,breaking,broken}.
lease_status	String	The lease status. Possible values are {locked, unlocked}.
name	String	Container name.
num_of_blobs	Number	Number of Blobs in container.
storage_account_id	Number	The Storage Account to which the Storage container belongs.

sdk_v_msaz_excludedmeter *(Microsoft Azure Views)*

Excluded Meter IDs in Rate Card for Microsoft Azure subscription.

Column Name	Data Type	Description
creation_date	Date	The date and time the data was created in the Portal database.
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
meter_id	Number	id of sdk_msaz_meter table
offerterm_id	Number	id of sdk_msaz_offerterm table

sdk_v_msaz_fileshare *(Microsoft Azure Views)*

File shares in a Storage account in Microsoft Azure subscription.

Column Name	Data Type	Description
creation_date	Date	The date and time the data was created in the Portal database.
id	Number	Unique ID
last_modified	Date	The last modified time.
last_updated	Date	The date and time the data was last updated in the Portal database.
name	String	The share name.
share_quota_in_kb	Number	The maximum share quota in KB.
storage_account_id	Number	The Storage Account ID to which the file share belongs.

sdk_v_msaz_meter *(Microsoft Azure Views)*

Meters in a Rate Card for a Microsoft Azure subscription.

Column Name	Data Type	Description
creation_date	Date	The date and time the data was created in the Portal database.

effective_date	Date	Indicates the date from which the meter rate or offer term is effective.
id	Number	Unique ID
included_quantity	Number	The resource quantity that is included in the offer at no cost. Consumption beyond this quantity will be charged.
last_updated	Date	The date and time the data was last updated in the Portal database.
meter_category	String	The category of the meter, for example Cloud services or Networking.
meter_id	String	The unique identifier of the resource.
meter_name	String	The name of the meter, within the given meter category.
meter_region	String	Identifies the location in which the Azure service is available.
meter_sub_category	String	The subcategory of the meter, for example, A6 Cloud services or ExpressRoute (IXP)...
rate_card_id	Number	RateCard ID of the Microsoft Azure Cloud account.
subscription_id	Number	Subscription ID of your Microsoft Azure Cloud account.
unit	String	The unit in which the meter consumption is charged, for example, Hours or GB...

sdk_v_msaz_meterrates *(Microsoft Azure Views)*

The list of unit/meter rate pairs for the meter rates, in the format unit:meterRate where unit = the meter quantity, and meterRate = the corresponding price.

Column Name	Data Type	Description
creation_date	Date	The date and time the data was created in the Portal database.
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
meter_id	Number	id of sdk_msaz_meter table
meter_rate	Number	The corresponding meter price.
unit	Number	The meter quantity below which the given meter rate applies.

sdk_v_msaz_offerterm *(Microsoft Azure Views)*

Offer term in Rate Card for Microsoft Azure subscription.

Column Name	Data Type	Description
creation_date	Date	The date and time the data was created in the Portal database.

credit	Number	The amount of credit provided under the terms of the given offer level. This field is used only by offer terms of type Monetary Commitment.
effective_date	Date	Indicates the date from which the offer term is effective.
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
name	String	The Offer name.
rate_card_id	Number	Rate Card ID of your Microsoft Azure Cloud account.

sdk_v_msaz_queue *(Microsoft Azure Views)*

Queues in a Storage account in Microsoft Azure subscription.

Column Name	Data Type	Description
approximate_messages_count	String	Approximate number of messages in queue.
creation_date	Date	The date and time the data was created in the Portal database.
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
name	String	Queue name.
storage_account_id	Number	Storage Account ID to which this queue belongs.

sdk_v_msaz_ratecard *(Microsoft Azure Views)*

Rate Card for Microsoft Azure subscription.

Column Name	Data Type	Description
creation_date	Date	The date and time the data was created in the Portal database.
currency	String	The currency in which the rates are provided.
id	Number	Unique ID
is_tax_included	String	In Azure, all rates are pre-tax. This field always reads false.
last_updated	Date	The date and time the data was last updated in the Portal database.
locale	String	The language in which the resource information is localized.
offer_durable_id	String	Current subscription offer ID

subscription_id	Number	Subscription ID of your Microsoft Azure Cloud account.

sdk_v_msaz_resourcegroup *(Microsoft Azure Views)*

Resource Group in Microsoft Azure Subscription.

Column Name	Data Type	Description
creation_date	Date	The date and time the data was created in the Portal database.
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
location	String	Resource Group location.
name	String	The Resource Group name.
provisioning_state	String	Resource Group provisioning state. Possible values are Succeeded, Failed.
resource_id	String	The resource group Unique Resource Identifier (URI).
subscription_id	Number	The subscription ID.

sdk_v_msaz_resourcegrouptag *(Microsoft Azure Views)*

ResourceGroup to Tag mapping.

Column Name	Data Type	Description
creation_date	Date	The date and time the data was created in the Portal database.
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
resourcegroup_id	Number	id of sdk_msaz_resourcegroup table
tag_id	Number	id of sdk_msaz_tag table

sdk_v_msaz_resourcemap *(Microsoft Azure Views)*

Mapping from any resource ID or name to one of many different entities _ Virtual Machines or Storage Accounts.

Column Name	Data Type	Description
creation_date	Date	The date and time the data was created in the Portal database.
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
resource_group_name	String	Name of the Resource Group, to which this resource belongs to.
resource_name	String	Name of the resource.
resource_type	String	The resource type: Microsoft.Compute or Microsoft.Storage.
resource_uri	String	The unique identifier of the resource.
subscription_id	Number	The Subscription ID.

sdk_v_msaz_resourceusage *(Microsoft Azure Views)*

Resource usage statistics for a Microsoft Azure subscription.

Column Name	Data Type	Description
creation_date	Date	The date and time the data was created in the Portal database.
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
meter_id	Number	id of sdk_msaz_meter table
name	String	Name of the usage aggregate.
price	Number	The price calculated for this meter for the resource quantity used.
quantity	Number	The amount of the resource consumption that occurred in this time frame.
resource_usage_id	String	Unique ID for the usage aggregate.
resourcegroup_id	Number	id of sdk_msaz_resourcegroup table
resourcemap_id	Number	id of sdk_msaz_resourcemap table
subscription_id	Number	Subscription ID of your Microsoft Azure Cloud account.
unit	String	The unit in which the usage for this resource is being counted, for example Hours and GB.
usage_end_time	Date	UTC end time for the usage bucket to which this usage aggregate belongs.
usage_start_time	Date	UTC start time for the usage bucket to which this usage aggregate belongs.

sdk_v_msaz_resourceusagetag *(Microsoft Azure Views)*

Tags attached to resource usage.

Column Name	Data Type	Description
creation_date	Date	The date and time the data was created in the Portal database.
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
resourceusage_id	Number	id of sdk_msaz_resourceusage table
tag_id	Number	id of sdk_msaz_tag table

sdk_v_msaz_stgacctendpoints *(Microsoft Azure Views)*

Endpoints of Storage account in Microsoft Azure subscription.

Column Name	Data Type	Description
creation_date	Date	The date and time the data was created in the Portal database.
endpoint_type	String	Specifies the type of Endpoint. Possible values: blob,file,queue,table.
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
primary_endpoint	String	The primary endpoint of the given storage service.
secondary_endpoint	String	The secondary endpoint of the given storage service.
storage_account_id	Number	The Storage Account ID to which the file share belongs.

sdk_v_msaz_storageaccount *(Microsoft Azure Views)*

Storage accounts in Microsoft Azure subscription.

Column Name	Data Type	Description
account_id	String	Unique URI identifying the account.

account_type	String	The Storage Account type, for eg.Standard_RAGRS,Standard_LRS
creation_date	Date	The date and time the data was created in the Portal database.
creation_time	Date	Creation Time.
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
location	String	Location of the Storage Account.
name	String	Name of the Storage Account.
primary_location	String	Primary Location of the Storage Account.
primary_status	String	Status of the primary location of Storage Account.Possible values: Available,Unavailable.
provisioning_state	String	The provisioning state of the storage account. Possible values are Succeeded,Failed.
resource_group_id	Number	Resource Group ID.
resourcemap_id	Number	id of sdk_msaz_resourcemap table
secondary_location	String	Secondary Location of the Storage Account.
secondary_status	String	Status of the secondary location of Storage Account.Possible values: Available,Unavailable.

sdk_v_msaz_storageaccounttag *(Microsoft Azure Views)*

Mapping table for Storage Account and Tag.

Column Name	Data Type	Description
creation_date	Date	The date and time the data was created in the Portal database.
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
storage_account_id	Number	Storage Account ID.
tag_id	Number	id of sdk_msaz_tag table

sdk_v_msaz_subscription *(Microsoft Azure Views)*

Microsoft Azure Subscription.

Column Name	Data Type	Description

account_admin_email_address	String	The email address for the administrator of the Microsoft Azure Cloud account..
account_admin_id	String	The Account Administrator ID of Microsoft Azure Cloud account.
creation_date	Date	The date and time the data was created in the Portal database.
display_name	String	Subscription display name.
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
offer_durable_id	String	Current Offer ID for this subscription.
quota_id	String	The subscription limit/quota ID.
state	String	Subscription state. Possible values are Enabled, Warned, PastDue, Disabled, and Deleted.
subscription_id	String	The subscription ID of Microsoft Azure Cloud account.

sdk_v_msaz_tables *(Microsoft Azure Views)*

Tables in a Storage account in Microsoft Azure subscription.

Column Name	Data Type	Description
creation_date	Date	The date and time the data was created in the Portal database.
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
name	String	Table name.
storage_account_id	Number	The Storage Account to which this Table belongs.
uri	String	Unique identifying table URI.

sdk_v_msaz_tag *(Microsoft Azure Views)*

General lookup table for Resource tags.

Column Name	Data Type	Description
count	Number	Number of resources having this tag.
creation_date	Date	The date and time the data was created in the Portal database.
id	Number	Unique ID

last_updated	Date	The date and time the data was last updated in the Portal database.
name	String	The name of the Tag.The tag name is limited to 512 characters.
subscription_id	Number	Internal link to Subscription.
uri	String	Tag URI(Unique Resource Identifier).
value	String	The value of the Tag.The tag value is limited to 256 characters.

sdk_v_msaz_tiereddiscount *(Microsoft Azure Views)*

Provides the tiered discount rates. This entity is used only by offer terms of type Monetary Commitment.Excluded Meter IDs in Rate Card for Microsoft Azure subscription.

Column Name	Data Type	Description
creation_date	Date	The date and time the data was created in the Portal database.
discount_percent	Number	The discount percentage for the price.
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
offerterm_id	Number	id of sdk_msaz_offerterm table
price	Number	The price on which the discount is applied.

sdk_v_msaz_virtualmachine *(Microsoft Azure Views)*

Virtual machines in Microsoft Azure subscription.

Column Name	Data Type	Description
admin_user_name	String	Specifies the name of the administrator account.
creation_date	Date	The date and time the data was created in the Portal database.
host_id	Number	host_id of apt_host table
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
location	String	Virtual Machine location.
name	String	Virtual Machine name.

os	String	The Operating System profile.
os_offer	String	Image offer of the Virtual Machine. For example, Ubuntu Server,Windows Server.
os_publisher	String	OS image Publisher of the Virtual Machine. For example, Microsoft Windows Server, Canonical.
os_sku	String	The image SKU.
os_version	String	The image version. The allowed formats are Major.Minor.Build or latest. Major, Minor and Build are decimal numbers. Specify latest to use the latest version of the image.
private_ipaddress	String	The private IP address.
provisioning_state	String	Virtual Machine provisioning state.Possible values are Succeeded,Failed.
public_ipaddress	String	Public IP Address.
resource_group_id	Number	Resource Group ID.
resourcemap_id	Number	id of sdk_msaz_resourcemap table
storageaccount_id	Number	id of sdk_msaz_storageaccount table
type	String	Value is Microsoft.Compute/virtualMachines
vm_id	String	Unique Azure identifier of the virtual machine.
vm_size_profile	String	The virtual machine size name. For example, Basic_A0, Basic_A1,Standard_A3.

sdk_v_msaz_virtualmachinetag *(Microsoft Azure Views)*

Mapping table for Virtual Machine and Tag.

Column Name	Data Type	Description
creation_date	Date	The date and time the data was created in the Portal database.
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
tag_id	Number	id of sdk_msaz_tag table
virtual_machine_id	Number	Subscription ID of your Microsoft Azure Cloud account.

sdk_v_msaz_vmdisk *(Microsoft Azure Views)*

Disks belonging to a Virtual Machine in Microsoft Azure Subscription.

Column Name	Data Type	Description

caching	String	Caching type. Possible values are { None, ReadOnly, ReadWrite}.
creation_date	Date	The date and time the data was created in the Portal database.
creation_option	String	Virtual Machine creation option. Possible values are { fromImage, empty, attach }.
disk_size_in_kb	Number	The initial disk size, in KB (1024 bytes), for blank data disks, and the new desired size for resizing existing OS and data disks.
disk_type	String	The disk type. Possible values are {OS Disk, Data Disk}
id	Number	Unique ID
last_updated	Date	The date and time the data was last updated in the Portal database.
lun	String	Logical unit number.
name	String	The VM Disk name
storageaccount_id	Number	id of sdk_msaz_storageaccount table
uri	String	The identifying URI(Unique Resource Identifier).
virtual_machine_id	Number	The Virtual Machine ID to which this VMDisk belongs.

OpenStack Ceilometer Views (Go to Top)

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sdk_v_oscm_instance

sdk_v_oscm_disk_metrics *(OpenStack Ceilometer Views)*

Disk metrics.

Column Name	Data Type	Description
creation_date	Date	Creation Date
disk_device_allocation	Number	The amount of disk per device occupied by the instance on the host machine. Meter type is gauge.
disk_device_capacity	Number	The amount of disk per device that the instance can see. Meter type is gauge.
disk_device_iops	Number	Average disk iops per device. Meter type is gauge.
disk_device_latency	Number	Average disk latency per device in ms. Meter type is gauge.
disk_device_read_bytes	Number	Volume of reads. Meter type is cumulative.
disk_device_read_bytes_rate	Number	Average rate of reads. Meter type is gauge.
disk_device_read_reqs	Number	Number of read requests. Meter type is cumulative.

disk_device_read_reqs_rate	Number	Average rate of read requests. Meter type is gauge.
disk_device_usage	Number	The physical size in bytes of the image container on the host per device. Meter type is gauge.
disk_device_write_bytes	Number	Volume of write. Meter type is cumulative.
disk_device_write_bytes_rate	Number	Average rate of write. Meter type is gauge.
disk_device_write_reqs	Number	Number of write requests. Meter type is cumulative.
disk_device_write_reqs_rate	Number	Average rate of write requests. Meter type is gauge.
disk_id	String	Disk ID.
host_id	Number	host_id of apt_host table
last_updated	Date	Last Updated Date
timestamp	Date	UTC date and time when the measurement was made.

sdk_v_oscm_instance *(OpenStack Ceilometer Views)*

Compute Instance information.

Column Name	Data Type	Description
creation_date	Date	Creation Date
host	String	The host name of the machine.
host_id	Number	host_id of apt_host table
hypervisor_hostname	String	The hypervisor host name.
id	Number	Unique ID
instance_name	String	The instance name. The Compute API generates the instance name from the instance name template.
last_updated	Date	Last Updated Date
status	String	The server status.

sdk_v_oscm_instance_metrics *(OpenStack Ceilometer Views)*

Instance metrics.

Column Name	Data Type	Description
cpu	Number	CPU time used in ns. Meter type is cumulative.

cpu_delta	Number	CPU time used since previous datapoint in ns. Meter type is delta.
cpu_l3_cache	Number	L3 cache used by the instance. Meter type is gauge.
cpu_util	Number	Average CPU utilization. Meter type is gauge.
creation_date	Date	Creation Date
disk_allocation	Number	The amount of disk occupied by the instance on the host machine. Meter type is gauge.
disk_capacity	Number	The amount of disk that the instance can see. Meter type is gauge.
disk_ephemeral_size	Number	Size of ephemeral disk. Meter type is gauge.
disk_iops	Number	Average disk iops. Meter type is gauge.
disk_latency	Number	Average disk latency. Meter type is gauge.
disk_read_bytes	Number	Volume of reads. Meter type is cumulative.
disk_read_bytes_rate	Number	Average rate of reads. Meter type is gauge.
disk_read_reqs	Number	Number of read requests. Meter type is cumulative.
disk_read_reqs_rate	Number	Average rate of read requests. Meter type is gauge.
disk_root_size	Number	Size of root disk. Meter type is gauge.
disk_usage	Number	The physical size in bytes of the image container on the host. Meter type is gauge.
disk_write_bytes	Number	Volume of writes. Meter type is cumulative.
disk_write_bytes_rate	Number	Average rate of writes. Meter type is gauge.
disk_write_reqs	Number	Number of write requests. Meter type is cumulative.
disk_write_reqs_rate	Number	Average rate of write requests. Meter type is gauge.
host_id	Number	host_id of apt_host table
instance	Number	Existence of instance. Meter type is gauge.
last_updated	Date	Last Updated Date
memory	Number	Volume of RAM allocated to the instance in Mb. Meter type is gauge.
memory_bandwidth_local	Number	Bandwidth of memory traffic for a memory controller. Meter type is gauge.
memory_bandwidth_total	Number	Total system bandwidth from one level of cache. Meter type is gauge.
memory_resident	Number	Volume of RAM used by the instance on the physical machine in Mb. Meter type is gauge.
memory_usage	Number	Volume of RAM used by the instance from the amount of its allocated memory. Meter type is gauge.
perf_cache_misses	Number	The count of cache misses. Meter type is gauge.
perf_cache_references	Number	The count of cache hits. Meter type is gauge.
perf_cpu_cycles	Number	The number of cpu cycles one instruction needs. Meter type is gauge.

perf_instructions	Number	The count of instructions. Meter type is gauge.
timestamp	Date	UTC date and time when the measurement was made.
vcpus	Number	Number of virtual CPUs allocated to the instance. Meter type is gauge.

sdk_v_oscm_network_metrics *(OpenStack Ceilometer Views)*

Network metrics.

Column Name	Data Type	Description
creation_date	Date	Creation Date
host_id	Number	host_id of apt_host table
interface_id	String	Network Interface ID.
last_updated	Date	Last Updated Date
network_incoming_bytes	Number	Number of incoming bytes. Meter type is cumulative.
network_incoming_bytes_rate	Number	Average rate of incoming bytes. Meter type is gauge.
network_incoming_packets	Number	Number of incoming packets. Meter type is cumulative.
network_incoming_packets_rate	Number	Average rate of incoming packets. Meter type is gauge.
network_outgoing_bytes	Number	Number of outgoing bytes. Meter type is cumulative.
network_outgoing_bytes_rate	Number	Average rate of outgoing bytes. Meter type is gauge.
network_outgoing_packets	Number	Number of outgoing packets. Meter type is cumulative.
network_outgoing_packets_rate	Number	Average rate of outgoing packets. Meter type is gauge.
timestamp	Date	UTC date and time when the measurement was made.

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