

## Veritas Access 7.3.1 RESTful APIs

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## 1.2. Documentation

Make sure that you have the current version of the documentation. Each document displays the date of the last update on the cover page. The latest documentation is available on the Veritas website:

<https://sort.veritas.com/documents>

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You can also see documentation information or ask a question on the Veritas community site:

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## 1.4. Veritas Services and Operations Readiness Tools (SORT)

Veritas Services and Operations Readiness Tools (SORT) is a website that provides information and tools to automate and simplify certain time-consuming administrative tasks. Depending on the product, SORT helps you prepare for installations and upgrades, identify risks in your datacenters, and improve operational efficiency. To see what services and tools SORT provides for your product, see the data sheet:

[https://sort.veritas.com/data/support/SORT\\_Data\\_Sheet.pdf](https://sort.veritas.com/data/support/SORT_Data_Sheet.pdf)

## 2. Overview

Veritas Access is a software-defined scale-out network attached storage (NAS) solution for

unstructured data that works on commodity hardware. Veritas Access provides resiliency, multi-protocol access, and data movement to and from the public or private cloud based on policies.

## 2.1. About the Veritas Access RESTful APIs

Veritas Access RESTful APIs are an integral part of the Veritas approach towards Software Defined Storage (SDS). Veritas Access as a SDS offering provides granular control to an application or storage provisioning workflows through the use of RESTful APIs. RESTful APIs not only enable automation through customer scripts, which run storage administration commands against the Veritas Access cluster, but they also enable complex workflow deployments as part of storage provisioning for applications. REST allows an application or another proprietary or custom management interface to have the same management capabilities as the Veritas Access native management console. Veritas Access RESTful APIs allow the use of HTTP requests for applications or storage management workflows or as a portal to automate Veritas Access storage tasks such as:

- Provisioning
- Capacity planning
- Event monitoring
- Data placement on-premises or in the cloud
- Data deletion policies
- Replication and other tasks

## 2.2. Using the Veritas Access RESTful APIs

You can use the Veritas Access RESTful APIs using the curl command. You need to be authenticated first and then use the returned token in subsequent requests.

To use the Veritas Access RESTful APIs

1. Make sure that the Veritas Access GUI is running on the host.

When you execute the Veritas Access RESTful APIs, you have to provide the host name and the port on which the Veritas Access GUI is running. By default, the GUI runs on port 14161.

2. Authenticate the user.

```
curl --cookie-jar /tmp/cookies/cookies.txt -g -k -X POST -d "username=username&password=password" https://hostname:port/api/rest/authenticate
```

username Username of the host on which the Veritas Access GUI is running.  
password Password of the host where the Veritas Access GUI is running.



The call returns a token.

3. Use the returned token and cookie.
4. Call the RESTful API.

```
curl--cookie /tmp/cookies/cookies.txt hostname:port/resturl -g -k -header  
"Authorization: Bearer token"
```

hostname Host name on which the Veritas Access GUI is running.  
port Port on which the Veritas Access GUI is running.  
resturl URL for the RESTful API.  
token Token that is returned in step 2.

Example:

You want to call the API to get all the disks available in the cluster.

```
curl --cookie /tmp/cookies/cookies.txt  
https://10.182.197.183:14161/api/storage/getrecords -g -k --header "Authorization:  
Bearer  
eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJjYWZjNmFhZTIyNzEiLCJpYXQiOiJlE0NzAyNz  
k3ODh9.P2CTswezKv-n6wNQTSmSsePC0YBAHRI_VPWF_69yI3o"
```

## 2.3. How to find the Veritas Access RESTful APIs

To find the Veritas Access RESTful APIs

1. Log on to the GUI.
2. Open a browser window and enter the URL for Veritas Access.

Append /rest to the end of the URL in the browser window.

Example:  
`https://IP address of the Veritas Access cluster:14161/rest`

3. You can also access the RESTful APIs in the GUI by navigating to Settings > Service Management.

## 3. Paths

## 3.1. /cloud/addSubscription

POST /cloud/addSubscription

### 3.1.1. Description

Add cloud subscriptions

### 3.1.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>accessKey</b> <i>required</i>	Access key for the cloud.	string
<b>delete_key_file</b> <i>required</i>	By default the value is no, If the value is yes, then the jsonfile will be deleted once the subscription is created.	string
<b>end_point</b> <i>required</i>	end point for S3_COMPATIBLE provider.	string
<b>jsonfilepath</b> <i>required</i>	filepath where the json file is stored in the node.	string
<b>provider</b> <i>required</i>	Provider can be GOOGLE/ALIBABA/AWS/AWS_GOV_CLOUD_US/AZURE/S3_COMPATIBLE	string
<b>secretKey</b> <i>required</i>	Secret key for the cloud.	string
<b>storage_account</b> <i>required</i>	AZURE storage account name	string
<b>subscriptionName</b> <i>required</i>	subscription name to be created.	string

### 3.1.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>

HTTP Code	Description	Schema
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Add cloud subscription task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Missed a required parameter	string
<b>message</b> <i>optional</i>		string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to add cloud subscription.	string
<b>message</b> <i>optional</i>	Add cloud subscription task failed.	string

### 3.1.4. Consumes

- `application/json`

### 3.1.5. Produces

- `application/json`

## 3.2. /events/eventlist

```
GET /events/eventlist
```

### 3.2.1. Description

Get all EventList or based on severity or searchText

### 3.2.2. Parameters

Type	Name	Description	Schema
Query	<b>limit</b> <i>optional</i>	Number of events to be fetched.	number
Query	<b>offset</b> <i>optional</i>	Events to be fetched from the specified offset.	number
Query	<b>searchText</b> <i>optional</i>	Objecttype or Objectname can be searched	string
Query	<b>severity</b> <i>optional</i>	Type of event.	string
Query	<b>sortColumn</b> <i>optional</i>	Type of column to be sorted.	string
Query	<b>sortOrder</b> <i>optional</i>	Order of column to be sorted.	string

### 3.2.3. Responses

HTTP Code	Description	Schema
200	Success	< <a href="#">Response 200</a> > array
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>CATEGORY_ID</b> <i>optional</i>	Category ID	string
<b>CREATED_TIME</b> <i>optional</i>	Created Time of the event	string
<b>Event_Key</b> <i>optional</i>	Event_Key	string
<b>INSERTION_STRINGS</b> <i>optional</i>	@ separated strings	string
<b>NAME</b> <i>optional</i>	Category Name	string
<b>OBJECTID</b> <i>optional</i>	ObjectId	string
<b>OBJECTNAME</b> <i>optional</i>	Object Name	string

Name	Description	Schema
<b>OBJECTTYPE</b> <i>optional</i>	ObjectType can be server, NFS, etc	string
<b>USER</b> <i>optional</i>	Created User of the event	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.2.4. Consumes

- `application/json`

### 3.2.5. Produces

- `application/json`

### 3.2.6. Security

Type	Name
<b>apiKey</b>	<a href="#">ApiKeyAuth</a>

## 3.3. /events/insert\_events

POST /events/insert\_events

### 3.3.1. Description

Inserting events to the table

### 3.3.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>event_key</b> <i>required</i>	Event Key	string
<b>object_id</b> <i>required</i>	ID of the Object on which event is generated.	string
<b>object_name</b> <i>required</i>	Name of the Object on which event is generated.	string
<b>object_type</b> <i>required</i>	Type of the Object on which event is generated.	string
<b>parameters</b> <i>required</i>	@ separated strings.	string

### 3.3.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>OUTPUT</b> <i>optional</i>	SUCCESS or FAILURE	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to update information to the server.	string

### 3.3.4. Consumes

- `application/json`

### 3.3.5. Produces

- `application/json`

### 3.3.6. Security

Type	Name
<b>apiKey</b>	<a href="#">ApiKeyAuth</a>

## 3.4. /events/purge\_events

DELETE /events/purge\_events

### 3.4.1. Description

Purging events from the table

### 3.4.2. Parameters

Type	Name	Description	Schema
<b>Body</b>	<b>body</b> <i>required</i>	Events to be purged older than the number of days specified.	<a href="#">body</a>

#### body

Name	Schema
<b>num_of_days</b> <i>required</i>	string

### 3.4.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>

HTTP Code	Description	Schema
400	Bad Request	<a href="#">Response 400</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Purge events task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### 3.4.4. Consumes

- `application/json`

#### 3.4.5. Produces

- `application/json`

#### 3.4.6. Security

Type	Name
apiKey	<a href="#">ApiKeyAuth</a>

### 3.5. /fs/add\_tier

POST /fs/add\_tier

#### 3.5.1. Description

Add secondary/cloud tier to a regular/Scale-Out file system respectively

#### 3.5.2. Parameters



Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

## body

Name	Description	Schema
<b>fs_name</b> <i>required</i>	file system name you want to add the tier	string
<b>fs_size</b> <i>required</i>	The tier size	string
<b>layout</b> <i>required</i>	The tier layout can be simple, mirrored, mirrored-stripe, striped, stripped-mirror, cloud. Cloud is applicable for Scale-out Filesystem, while others are applicable for regular File System.	string
<b>nColumn</b> <i>required</i>	Number of columns.	string
<b>nMirror</b> <i>required</i>	number of mirrors	string
<b>pool_disks</b> <i>required</i>	The underlying pools/disks you want to create the secondary tier. Required for Regular Filesystem	string
<b>protection</b> <i>required</i>	Protection mode.	string
<b>provider</b> <i>required</i>	Provider can be AWS or S3_COMPATIBLE or AZURE or GOOGLE or ALIBABA or AWS_GOV_CLOUD_US	string
<b>region</b> <i>required</i>	Regions can be any of (Virginia/Oregon/California/Ireland/Singapore/Tokyo/Sydney/Sao Paulo/Ohio/Central/Mumbai/Seoul/Frankfurt/London) for AWS provider. For S3_COMPATIBLE provider, region should be none. For Azure provider, region should be none. For AWS_GOV_CLOUD_US region should be none. For Google regions can be any of (Taiwan/Tokyo/Singapore/Belgium/Iowa/South Carolina/Northern Virginia/Oregon/US-any-region/Europe-any-region/Asia-any-region/US/Europe/Asia). For Alibaba regions can be (Beijing/Dubai/Frankfurt/Hangzhou/Hong Kong/Japan/Qingdao/Shanghai/Shenzhen/Silicon Valley/Singapore/Sydney/Virginia/zhangjiakou)	string
<b>service_name</b> <i>required</i>	Service name of the cloud subscription created.	string
<b>stripeUnit</b> <i>required</i>	Stripe width in kilobytes (stripeunit=128/stripeunit=256/stripeunit=512/stripeunit=1024/stripeunit=2048) [512k].	string

Name	Description	Schema
<b>subTierType</b> <i>required</i>	subTierType can be S3 or Glacier for AWS provider. S3 for S3_COMPTIBLE provider. coldline, nearline, multi-regional, regional for GOOGLE. alibaba for ALIBABA. azure for AZURE. S3, GLACIER or S3-FIPS for AWS_GOV_CLOUD_US.	string
<b>tier_name</b> <i>required</i>	Name of the tier to be created	string

### 3.5.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Adding secondary tier to file system task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Missed a required parameter	string
<b>message</b> <i>optional</i>		string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to add secondary tier to file system.	string
<b>message</b> <i>optional</i>	Adding secondary tier to file system task failed.	string

### 3.5.4. Consumes

- `application/json`

### 3.5.5. Produces

- `application/json`

## 3.6. /fs/config\_smarttier\_policy

POST /fs/config\_smarttier\_policy

### 3.6.1. Description

Modify or remove the move and retaining policy for secondary tier of one particular file system

### 3.6.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>days</b> <i>required</i>	Number of days, after which inactive files moves from primary to secondary tier. It is only used for modifying moving policy	string
<b>delete_after</b> <i>required</i>	Automatically delete the files on secondary tier after the specified days. It is only used for modifying prune policy	string
<b>fs_name</b> <i>required</i>	Name of the file system to be configured policy	string
<b>minacctemp</b> <i>required</i>	Minimum Access Temperature Value for moving files from secondary to primary tier. It is only used for modifying moving policy	string
<b>operation</b> <i>required</i>	Modify or remove the SmartTier policy. For remove, you only need to specify fs_name. For modify, you need to specify the remaining parameters	string
<b>period</b> <i>required</i>	Number of days in past used for calculating Access Temperature. It is only used for modifying moving policy	string
<b>prune</b> <i>required</i>	this operation is targetd for move normal policy or prune policy	string
<b>tier</b> <i>required</i>	Create files on primary or secondary tier (primary/secondary). It is only used for modifying moving policy	string

### 3.6.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Configuring secondary tier policy task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	The command is missing at least one parameter. Check once again	string
<b>message</b> <i>optional</i>	The command is missing at least one parameter. Check once again.	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.6.4. Consumes

- `application/json`

### 3.6.5. Produces

- `application/json`

## 3.7. /fs/create/scale\_out\_fs

POST /fs/create/scale\_out\_fs

### 3.7.1. Description

Create scale out file system

### 3.7.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>blkSize</b> <i>required</i>	Block size of the file system, where possible values of bytes are 1024, 2048, 4096, and 8192. Default block size is 8192	string
<b>fs_name</b> <i>required</i>	Name of the file system to be created	string
<b>fs_size</b> <i>required</i>	Size of the file system (for example 10g, 100g)	string
<b>layout</b> <i>required</i>	Layout of the underlying volume on which the file system is created. Possible values are simple   mirrored   striped   striped-mirror   mirrored-stripe	string
<b>nColumn</b> <i>required</i>	This parameter is required in case of striped, striped-mirror or mirrored-stripe file system	string
<b>nMirror</b> <i>required</i>	This parameter is required in case of mirrored, striped-mirror or mirrored-stripe file system	string
<b>pool_disks</b> <i>required</i>	Name of storage pool used to create file system	string
<b>stripeUnit</b> <i>required</i>	Stripe width of the file system, where possible values of kilobytes are 128, 256, 512, 1024, and 2048	string

### 3.7.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Create scale-out file system task is initiated. Use task ID to check status of the task.	string

Name	Description	Schema
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Task creation failed	string
<b>message</b> <i>optional</i>	Failed to create task.	string

### 3.7.4. Consumes

- `application/json`

### 3.7.5. Produces

- `application/json`

## 3.8. /fs/extend\_cloud\_tier

POST /fs/extend\_cloud\_tier

### 3.8.1. Description

Extend the Azure cloud tier to add multiple storage accounts

### 3.8.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<code>body</code>

**body**

Name	Description	Schema
<b>cloud_provider</b> <i>required</i>	provider should be AZURE.	string
<b>fs_name</b> <i>required</i>	file system name to extend Azure tier.	string
<b>subscriptions</b> <i>required</i>	Comma-separated Azure subscriptions.	string
<b>tier_name</b> <i>required</i>	Tier name to extend Azure.	string

### 3.8.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>
<b>400</b>	Bad Request	<a href="#">Response 400</a>
<b>500</b>	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Extend cloud tier to file system task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Missed a required parameter	string
<b>message</b> <i>optional</i>		string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to extend cloud tier to file system.	string
<b>message</b> <i>optional</i>	Extend cloud tier to file system task failed.	string

### 3.8.4. Consumes

- `application/json`

### 3.8.5. Produces

- `application/json`

## 3.9. /fs/fs\_by\_Id/{id}

```
GET /fs/fs_by_Id/{id}
```

### 3.9.1. Description

Get the file system detail information including secondary tier information, if any.

### 3.9.2. Parameters

Type	Name	Description	Schema
Path	<b>id</b> <i>required</i>	Id of one file system	string

### 3.9.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>

#### Response 200

Name	Schema
<b>block_size</b> <i>optional</i>	number
<b>cifs_shared</b> <i>optional</i>	string
<b>defrag_status</b> <i>optional</i>	string
<b>encrypted</b> <i>optional</i>	string
<b>file_storage_capacity</b> <i>optional</i>	number
<b>file_storage_used</b> <i>optional</i>	string
<b>fs_id</b> <i>optional</i>	string



Name	Schema
<b>ftp_shared</b> <i>optional</i>	string
<b>fullfsck_status</b> <i>optional</i>	string
<b>high_watermark</b> <i>optional</i>	string
<b>id</b> <i>optional</i>	string
<b>iops_read</b> <i>optional</i>	number
<b>iops_total</b> <i>optional</i>	number
<b>iops_write</b> <i>optional</i>	number
<b>is_quota_enabled</b> <i>optional</i>	string
<b>islargefs</b> <i>optional</i>	number
<b>latency_read</b> <i>optional</i>	number
<b>latency_total</b> <i>optional</i>	number
<b>low_watermark</b> <i>optional</i>	string
<b>name</b> <i>optional</i>	string
<b>ncols</b> <i>optional</i>	number
<b>nfs_shared</b> <i>optional</i>	string
<b>nmirros</b> <i>optional</i>	number
<b>offline_nodes</b> <i>optional</i>	string
<b>online_nodes</b> <i>optional</i>	string
<b>pool_names</b> <i>optional</i>	string
<b>region</b> <i>optional</i>	string
<b>resync_status</b> <i>optional</i>	string

Name	Schema
<b>s3_shared</b> <i>optional</i>	string
<b>secondary_tier</b> <i>optional</i>	string
<b>service_name</b> <i>optional</i>	string
<b>share</b> <i>optional</i>	string
<b>status</b> <i>optional</i>	string
<b>stripe_unit</b> <i>optional</i>	string
<b>subsys_id</b> <i>optional</i>	string
<b>throughput_read</b> <i>optional</i>	number
<b>throughput_total</b> <i>optional</i>	number
<b>throughput_write</b> <i>optional</i>	number
<b>tier_layout</b> <i>optional</i>	string
<b>tier_name</b> <i>optional</i>	string
<b>tier_ncols</b> <i>optional</i>	string
<b>tier_nmirrors</b> <i>optional</i>	string
<b>tier_pdevs</b> <i>optional</i>	string
<b>tier_pools</b> <i>optional</i>	string
<b>tier_protection</b> <i>optional</i>	string
<b>tier_size</b> <i>optional</i>	number
<b>tier_strip_unit</b> <i>optional</i>	string
<b>tier_used</b> <i>optional</i>	number
<b>usage</b> <i>optional</i>	string

### 3.9.4. Consumes

- `application/json`

### 3.9.5. Produces

- `application/json`

## 3.10. /fs/get\_policies

GET /fs/get\_policies

### 3.10.1. Description

Get all the policies for all file systems

### 3.10.2. Responses

HTTP Code	Description	Schema
200	success	< <a href="#">Response 200</a> > array

#### Response 200

Name	Schema
<b>access_temp</b> <i>optional</i>	string
<b>atime</b> <i>optional</i>	string
<b>created_on_tier</b> <i>optional</i>	string
<b>delete_after</b> <i>optional</i>	string
<b>destTier</b> <i>optional</i>	string
<b>fs_id</b> <i>optional</i>	string
<b>id</b> <i>optional</i>	string
<b>mtime</b> <i>optional</i>	string
<b>name</b> <i>optional</i>	string

Name	Schema
<b>operation</b> <i>optional</i>	string
<b>pattern</b> <i>optional</i>	string
<b>period</b> <i>optional</i>	number
<b>srcTier</b> <i>optional</i>	string
<b>state</b> <i>optional</i>	string

### 3.10.3. Consumes

- `application/json`

### 3.10.4. Produces

- `application/json`

## 3.11. /fs/make\_fs\_offline

POST /fs/make\_fs\_offline

### 3.11.1. Description

Make one file system offline

### 3.11.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>fs_name</b> <i>required</i>	Name of the file system to be made offline.	string

### 3.11.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>

HTTP Code	Description	Schema
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Make file system offline task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Task creation failed	string
<b>message</b> <i>optional</i>	Failed to create task.	string

### 3.11.4. Consumes

- `application/json`

### 3.11.5. Produces

- `application/json`

## 3.12. /fs/make\_fs\_online

POST /fs/make\_fs\_online

### 3.12.1. Description

Make one file system online

### 3.12.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>fs_name</b> <i>required</i>	Name of the file system to be online.	string

### 3.12.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Make file system online task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Task creation failed	string
<b>message</b> <i>optional</i>	Failed to create task.	string

### 3.12.4. Consumes

- `application/json`

### 3.12.5. Produces

- `application/json`

## 3.13. /fs/policy/{id}

```
GET /fs/policy/{id}
```

### 3.13.1. Description

Get the policy for one file system

### 3.13.2. Parameters

Type	Name	Description	Schema
Path	<b>id</b> <i>required</i>	Id of one file system	string

### 3.13.3. Responses

HTTP Code	Description	Schema
200	success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Schema
<b>access_temp</b> <i>optional</i>	string
<b>atime</b> <i>optional</i>	string
<b>created_on_tier</b> <i>optional</i>	string
<b>delete_after</b> <i>optional</i>	string
<b>destTier</b> <i>optional</i>	string
<b>fs_id</b> <i>optional</i>	string

Name	Schema
<b>id</b> <i>optional</i>	string
<b>mtime</b> <i>optional</i>	string
<b>name</b> <i>optional</i>	string
<b>operation</b> <i>optional</i>	string
<b>pattern</b> <i>optional</i>	string
<b>period</b> <i>optional</i>	number
<b>srcTier</b> <i>optional</i>	string
<b>state</b> <i>optional</i>	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.13.4. Consumes

- `application/json`

### 3.13.5. Produces

- `application/json`

## 3.14. /fs/remove\_smarttier



POST /fs/remove\_smarttier

### 3.14.1. Description

Remove the secondary tier for one file system

### 3.14.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>fs_name</b> <i>required</i>	Name of the file system name in which you want to remove the secondary tier.	string

### 3.14.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Remove secondary tier to file system task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Missed a required parameter	string
<b>message</b> <i>optional</i>		string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to remove secondary tier to file system.	string
<b>message</b> <i>optional</i>	Remove secondary tier to file system task failed.	string

### 3.14.4. Consumes

- `application/json`

### 3.14.5. Produces

- `application/json`

## 3.15. /fs/schedule/{id}

GET /fs/schedule/{id}

### 3.15.1. Description

Get the policy schedule for one file system

### 3.15.2. Parameters

Type	Name	Description	Schema
<b>Path</b>	<b>id</b> <i>required</i>	ID of one file system	string

### 3.15.3. Responses

HTTP Code	Description	Schema
<b>200</b>	success	<a href="#">Response 200</a>
<b>400</b>	Bad Request	<a href="#">Response 400</a>

#### Response 200

Name	Schema
<b>dom</b> <i>optional</i>	number
<b>dow</b> <i>optional</i>	number
<b>fs_id</b> <i>optional</i>	string

Name	Schema
<b>hour</b> <i>optional</i>	number
<b>id</b> <i>optional</i>	string
<b>minute</b> <i>optional</i>	number
<b>month</b> <i>optional</i>	number
<b>node_name</b> <i>optional</i>	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

### 3.15.4. Consumes

- `application/json`

### 3.15.5. Produces

- `application/json`

## 3.16. /fs/schedule\_smarttier\_policy

POST /fs/schedule\_smarttier\_policy

### 3.16.1. Description

Modify or remove the schedule for the policy of secondary tier of one particular file system

### 3.16.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<code>body</code>

**body**

Name	Description	Schema
<b>day_of_the_month</b> <i>required</i>	Day of the month value: a number in the range 1 to 31 or *	string
<b>day_of_the_week</b> <i>required</i>	Day of the week,	string
<b>fs_name</b> <i>required</i>	Name of the file system to be configured policy schedule	string
<b>hour</b> <i>required</i>	Hour value: a number in the range 0 to 23 or *	string
<b>minute</b> <i>required</i>	Minute value: a number in the range 0 to 59 or *	string
<b>month</b> <i>required</i>	Minimum Access Temperature Value for moving files from secondary to primary tier.	string
<b>nodename</b> <i>optional</i>	Node name	string
<b>operation</b> <i>required</i>	Modify or remove the schedule of smarttier policy, for remove, you only need to specify fs_name, for modify, you need to specify the remaining parameters	string

### 3.16.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>
<b>400</b>	Bad Request	<a href="#">Response 400</a>
<b>500</b>	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Schedule policy for file system task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	The command is missing at least one parameter. Check once again	string
<b>message</b> <i>optional</i>	The command is missing at least one parameter. Check once again.	string

## Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.16.4. Consumes

- `application/json`

### 3.16.5. Produces

- `application/json`

## 3.17. /netbackup/configure\_master\_server

POST /netbackup/configure\_master\_server

### 3.17.1. Description

Configure netbackup master server

### 3.17.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>masterip</b> <i>required</i>	Master server Hostname or IP address	string

### 3.17.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Configuring NetBackup master server task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Specify master server IP address, or hostname	string
<b>message</b> <i>optional</i>	Specify master server IP address, or hostname	string

### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to configure NetBackup master server.	string
<b>message</b> <i>optional</i>	Configuring NetBackup master server task failed.	string

### 3.17.4. Consumes

- `application/json`

### 3.17.5. Produces

- `application/json`

## 3.18. /netbackup/configure\_media\_server

```
POST /netbackup/configure_media_server
```

### 3.18.1. Description

Configure netbackup media server

### 3.18.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<a href="#">body</a>

## body

Name	Description	Schema
<b>mediaip</b> <i>required</i>	Media server Hostname or IP address	string

### 3.18.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>
<b>400</b>	Bad Request	<a href="#">Response 400</a>
<b>500</b>	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Configuring NetBackup media server task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to configure netbackup media server.	string
<b>message</b> <i>optional</i>	Configure netbackup media server task failed.	string

### 3.18.4. Consumes

- [application/json](#)

### 3.18.5. Produces

- `application/json`

## 3.19. /netbackup/delete\_media\_server

POST /netbackup/delete\_media\_server

### 3.19.1. Description

Delete NetBackup media server

### 3.19.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>mediaip</b> <i>required</i>	Media server hostname or IP address	string

### 3.19.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Delete NetBackup media server task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string



Name	Schema
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Delete netbackup media server task failed	string
<b>message</b> <i>optional</i>	Delete NetBackup media server task failed.	string

### 3.19.4. Consumes

- `application/json`

### 3.19.5. Produces

- `application/json`

## 3.20. /netbackup/reset\_master\_server

POST /netbackup/reset\_master\_server

### 3.20.1. Description

Unconfigure NetBackup master server

### 3.20.2. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Unconfigure NetBackup master server task is initiated. Use task ID to check status of the task	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Unconfigure NetBackup master server task failed	string
<b>message</b> <i>optional</i>	Unconfigure NetBackup master server task failed.	string

### 3.20.3. Consumes

- `application/json`

### 3.20.4. Produces

- `application/json`

## 3.21. /netbackup/reset\_virtual-ip

POST /netbackup/reset\_virtual-ip

### 3.21.1. Description

Delete virtual IP for NetBackup Client

### 3.21.2. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Delete virtual IP address of NetBackup client task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Delete virtual IP address of NetBackup client task failed	string

Name	Description	Schema
<b>message</b> <i>optional</i>	Delete virtual IP address of NetBackup client task failed.	string

### 3.21.3. Consumes

- `application/json`

### 3.21.4. Produces

- `application/json`

## 3.22. /netbackup/reset\_virtual\_name

POST /netbackup/reset\_virtual\_name

### 3.22.1. Description

Delete virtual name for NetBackup Client

### 3.22.2. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Delete virtual name of NetBackup client task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Delete virtual name of NetBackup client task failed	string
<b>message</b> <i>optional</i>	Delete virtual name of NetBackup client task failed.	string

### 3.22.3. Consumes

- `application/json`

### 3.22.4. Produces

- `application/json`

## 3.23. /netbackup/set\_virtual\_ip

POST /netbackup/set\_virtual\_ip

### 3.23.1. Description

Create a virtual IP for NetBackup client

### 3.23.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>vip</b> <i>required</i>	Virtual IP for NetBackup client	string

### 3.23.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Set virtual IP address of NetBackup client task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Missed a required parameter	string
<b>message</b> <i>optional</i>		string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to set virtual IP address of NetBackup client.	string
<b>message</b> <i>optional</i>	Set virtual IP address of NetBackup client task failed.	string

### 3.23.4. Consumes

- `application/json`

### 3.23.5. Produces

- `application/json`

## 3.24. /netbackup/set\_virtual\_name

POST /netbackup/set\_virtual\_name

### 3.24.1. Description

Create a virtual name for NetBackup Client

### 3.24.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<code>body</code>

#### body

Name	Description	Schema
<b>vname</b> <i>required</i>	Virtual name for NetBackup client	string

### 3.24.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Set virtual name of NetBackup client task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Missed a required parameter	string
<b>message</b> <i>optional</i>		string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to set virtual IP address of NetBackup client.	string
<b>message</b> <i>optional</i>	Set virtual name of NetBackup client task failed.	string

### 3.24.4. Consumes

- `application/json`

### 3.24.5. Produces

- `application/json`

## 3.25. /netbackup/show\_server

```
GET /netbackup/show_server
```

### 3.25.1. Description

Get the list of server and client configured for NetBackup

### 3.25.2. Responses

HTTP Code	Description	Schema
200	success	< <a href="#">Response 200</a> > array
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Schema
<b>configured</b> <i>optional</i>	string
<b>server_ip</b> <i>optional</i>	string
<b>server_type</b> <i>optional</i>	string
<b>virtual_ip</b> <i>optional</i>	string
<b>virtual_name</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Unable to fetch NetBackup service details.	string
<b>message</b> <i>optional</i>	Unable to fetch NetBackup service details.	string

### 3.25.3. Consumes

- `application/json`

### 3.25.4. Produces

- `application/json`

## 3.26. /netbackup/show\_service

GET /netbackup/show\_service

### 3.26.1. Description

Get the details of netbackup service

### 3.26.2. Responses

HTTP Code	Description	Schema
200	success	<a href="#">Response 200</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Schema
<b>nbu_client_state</b> <i>optional</i>	number
<b>nbu_sanclient_state</b> <i>optional</i>	number
<b>online_on_node</b> <i>optional</i>	string
<b>state</b> <i>optional</i>	number

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Unable to fetch NetBackup service status.	string
<b>message</b> <i>optional</i>	Unable to fetch NetBackup service status.	string

### 3.26.3. Consumes

- `application/json`

### 3.26.4. Produces

- `application/json`

## 3.27. /netbackup/start\_backup\_service



POST /netbackup/start\_backup\_service

### 3.27.1. Description

Start Backup Service

### 3.27.2. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Start netbackup service task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to start netbackup service.	string
<b>message</b> <i>optional</i>	Start netbackup service task failed.	string

### 3.27.3. Consumes

- `application/json`

### 3.27.4. Produces

- `application/json`

## 3.28. /netbackup/stop\_backup\_service

POST /netbackup/stop\_backup\_service

### 3.28.1. Description

Stop netbackup Service

### 3.28.2. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Stop NetBackup service task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Stop netbackup service task failed	string
<b>message</b> <i>optional</i>	Stop NetBackup service task failed.	string

### 3.28.3. Consumes

- `application/json`

### 3.28.4. Produces

- `application/json`

## 3.29. /objecttags

POST /objecttags

### 3.29.1. Description

Post request enables caller to set tags on file system, pools, node, share, snapshot and disk objects.

### 3.29.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

## body

Name	Description	Schema
<b>id</b> <i>required</i>	fs1	string
<b>key</b> <i>required</i>	manila	string
<b>obj_type</b> <i>required</i>	FS	string
<b>value</b> <i>required</i>	vmware123	string

### 3.29.3. Responses

HTTP Code	Description	Schema
200	success	<a href="#">Response 200</a>
500	DB Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Successfully updated object tag.	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed updated object tag.	string
<b>message</b> <i>optional</i>	Failed updated object tag.	string

### 3.29.4. Consumes

- `application/json`

### 3.29.5. Produces

- `application/json`

## 3.30. /objecttags

GET /objecttags

### 3.30.1. Description

Returns tags associated with file system, pool, share, node and disk objecttags. Parameters optional.

### 3.30.2. Parameters

Type	Name	Description	Schema
Query	<b>id</b> <i>optional</i>	Object ID	string
Query	<b>key</b> <i>optional</i>	Any caller defined key	string
Query	<b>type</b> <i>optional</i>	One of DISK, FS, POOL, NODE, SHARE or SNAPSHOT	string

### 3.30.3. Responses

HTTP Code	Description	Schema
200	success	< <a href="#">Response 200</a> > array
500	DB Error	<a href="#">Response 500</a>

#### Response 200

Name	Schema
<b>id</b> <i>optional</i>	string
<b>key</b> <i>optional</i>	string
<b>obj_type</b> <i>optional</i>	string
<b>value</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Unable to read database.	string
<b>message</b> <i>optional</i>	Unable to read database. Possible internal database error.	string

### 3.30.4. Consumes

- `application/json`

### 3.30.5. Produces

- `application/json`

## 3.31. /objecttags

DELETE /objecttags

### 3.31.1. Description

Delete will purge the tags from the database.

### 3.31.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>id</b> <i>required</i>	fs1	string
<b>key</b> <i>required</i>	manila	string
<b>obj_type</b> <i>required</i>	FS	string

### 3.31.3. Responses

HTTP Code	Description	Schema
200	success	<a href="#">Response 200</a>
500	DB Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Successfully updated object tag.	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to update object tag.	string
<b>message</b> <i>optional</i>	Failed to update object tag.	string

### 3.31.4. Consumes

- `application/json`

### 3.31.5. Produces

- `application/json`

## 3.32. /replication/auth

POST /replication/auth

### 3.32.1. Description

Authorizes a remote replication cluster.

### 3.32.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>link_name</b> <i>required</i>	Name of the link created for replication.	string
<b>remote_console_ip</b> <i>required</i>	Console IPv4 or IPv6 address for remote console.	string

### 3.32.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>
<b>400</b>	Bad Request	<a href="#">Response 400</a>
<b>500</b>	Server Error	<a href="#">Response 500</a>

## Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Remote cluster authorized successfully.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

## Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

## Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to create authorize console IP task.	string
<b>message</b> <i>optional</i>	Failed to create authorize console IP task.	string

### 3.32.4. Consumes

- `application/json`

### 3.32.5. Produces

- `application/json`

## 3.33. /replication/check\_config

```
GET /replication/check_config
```

### 3.33.1. Description

Shows connection configuration status for a link.

### 3.33.2. Parameters

Type	Name	Description	Schema
Query	<b>link_name</b> <i>required</i>	Name of the link created for replication.	string

### 3.33.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>

#### Response 200

Name	Schema
<b>local_to_remote_con</b> <i>optional</i>	string
<b>remote_to_local_con</b> <i>optional</i>	string

### 3.33.4. Consumes

- `application/json`

### 3.33.5. Produces

- `application/json`

## 3.34. /replication/create\_job

POST /replication/create\_job

### 3.34.1. Description

Creates a replication job.

### 3.34.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>job_name</b> <i>required</i>	Specify a name for the replication job you want to create	string
<b>link_name</b> <i>required</i>	Specify one or more link names.	string
<b>schedule_name</b> <i>required</i>	Specify the name of the replication schedule you want to apply to the replication job.	string



Name	Description	Schema
<b>src_rep_unit</b> <i>required</i>	Specify the source replication unit. The replication unit determines the exact item (such as a file system) that you want to replicate.	string
<b>trg_rep_unit</b> <i>required</i>	Specify one or more target replication units.	string

### 3.34.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>
<b>400</b>	Bad Request	<a href="#">Response 400</a>
<b>500</b>	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Creating replication job:job1, from src_unit to tgt_repunit1,tgt_repunit2	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to create replication job task.	string
<b>message</b> <i>optional</i>	Task creation failed.	string

### 3.34.4. Consumes

- `application/json`

### 3.34.5. Produces

- `application/json`

## 3.35. /replication/create\_repl\_schedule

POST /replication/create\_repl\_schedule

### 3.35.1. Description

Create replication schedule

### 3.35.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>day_of_the_month</b> <i>optional</i>	Replication schedule run frequency in day of the month	number
<b>day_of_the_week</b> <i>optional</i>	Replication schedule run frequency in day of the week	number
<b>hour</b> <i>optional</i>	Replication schedule run frequency in hours	number
<b>minutes</b> <i>required</i>	Replication schedule run frequency in minutes [0-59]	number
<b>month</b> <i>optional</i>	Replication schedule run frequency in months	number
<b>schedule_name</b> <i>required</i>	Replication schedule name	string

### 3.35.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

## Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Create schedule task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

## Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

## Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to initiate Create replication schedule task	string
<b>message</b> <i>optional</i>	Failed to initiate Create replication schedule task.	string

### 3.35.4. Consumes

- `application/json`

### 3.35.5. Produces

- `application/json`

## 3.36. /replication/create\_repl\_unit

POST /replication/create\_repl\_unit

### 3.36.1. Description

Create replication unit

### 3.36.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<code>body</code>

## body

Name	Description	Schema
<b>repunit_entry</b> <i>required</i>	File system direcorey	string
<b>repunit_name</b> <i>required</i>	Replication unit name	string

### 3.36.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>
<b>400</b>	Bad Request	<a href="#">Response 400</a>
<b>500</b>	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Create replication task initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to initiate Create replication unit task	string
<b>message</b> <i>optional</i>	Failed to initiate Create replication unit task	string

### 3.36.4. Consumes

- `application/json`

### 3.36.5. Produces

- `application/json`

## 3.37. /replication/deauth

POST /replication/deauth

### 3.37.1. Description

Unauthorizes a remote replication cluster.

### 3.37.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>link_name</b> <i>required</i>	Name of the link created for replication.	string

### 3.37.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Remote cluster unauthorized successfully.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string

Name	Schema
<b>message</b> <i>optional</i>	string

### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to create deauth console IP task.	string
<b>message</b> <i>optional</i>	Failed to create deauth console IP task.	string

### 3.37.4. Consumes

- `application/json`

### 3.37.5. Produces

- `application/json`

## 3.38. /replication/delete\_keys

POST /replication/delete\_keys

### 3.38.1. Description

Deletes target SSH key from local.

### 3.38.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<code>body</code>

#### body

Name	Description	Schema
<b>remote_console_ip</b> <i>required</i>	Console IPv4 or IPv6 address for remote console.	string

### 3.38.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Deleting SSH key of remote cluster.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Invalid remote console IP	string
<b>message</b> <i>optional</i>	Remote console IP is either incorrect or not valid.	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to create Delete SSH key of remote cluster task.	string
<b>message</b> <i>optional</i>	Failed to create Delete SSH key of remote cluster task.	string

### 3.38.4. Consumes

- `application/json`

### 3.38.5. Produces

- `application/json`

## 3.39. /replication/delete\_repl\_schedule

POST /replication/delete\_repl\_schedule

### 3.39.1. Description

Delete replication schedule

### 3.39.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

**body**

Name	Description	Schema
<b>schedule_name</b> <i>required</i>	Replication schedule name	string

### 3.39.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Delete replication schedule task is initiated	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500



Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to initiate Delete replication schedule task	string
<b>message</b> <i>optional</i>	Failed to initiate Delete replication schedule task.	string

### 3.39.4. Consumes

- `application/json`

### 3.39.5. Produces

- `application/json`

## 3.40. /replication/delete\_repl\_unit

POST /replication/delete\_repl\_unit

### 3.40.1. Description

Delete replication unit

### 3.40.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>repunit_name</b> <i>required</i>	Replication unit name	string

### 3.40.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Delete replication unit task initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to initiate Delete replication unit task.	string
<b>message</b> <i>optional</i>	Failed to initiate Delete replication unit task.	string

### 3.40.4. Consumes

- `application/json`

### 3.40.5. Produces

- `application/json`

## 3.41. /replication/destroy\_job

POST /replication/destroy\_job

### 3.41.1. Description

Destroys an existing replication job.

### 3.41.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<code>body</code>

**body**

Name	Description	Schema
<b>job_name</b> <i>required</i>	Specify a name for the replication job you want to destroy.	string

### 3.41.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Destroying replication job:job1	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to destroy replication job task	string
<b>message</b> <i>optional</i>	Task creation failed.	string

### 3.41.4. Consumes

- `application/json`

### 3.41.5. Produces

- `application/json`

## 3.42. /replication/disable\_job

POST /replication/disable\_job

### 3.42.1. Description

Disables a replication job.

### 3.42.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>job_name</b> <i>required</i>	Specify a name for the replication job you want to disable.	string

### 3.42.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Disabling replication job:job1.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to initiate Disable replication job	string
<b>message</b> <i>optional</i>	Failed to initiate Disable replication job.	string

### 3.42.4. Consumes

- `application/json`

### 3.42.5. Produces

- `application/json`

## 3.43. /replication/enable\_job

POST /replication/enable\_job

### 3.43.1. Description

Enables a replication job.

### 3.43.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>job_name</b> <i>required</i>	Specify a name for the replication job you want to enable.	string

### 3.43.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Enabling replication job:job1.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to initiate Enable replication job	string
<b>message</b> <i>optional</i>	Failed to initiate Enable replication job.	string

### 3.43.4. Consumes

- `application/json`

### 3.43.5. Produces

- `application/json`

## 3.44. /replication/export\_keys

GET /replication/export\_keys

### 3.44.1. Description

Gets the public SSH key from local cluster.

### 3.44.2. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>

#### Response 200

Name	Description	Schema
<b>key</b> <i>optional</i>	SSH key	string

### 3.44.3. Consumes

- `application/json`

### 3.44.4. Produces

- `application/json`

## 3.45. /replication/get\_trgt\_config\_by\_host

```
GET /replication/get_trgt_config_by_host
```

### 3.45.1. Description

Display Replication Target Configuration for the given target remote console IP

### 3.45.2. Parameters

Type	Name	Description	Schema
Query	<b>host_name</b> <i>required</i>	Target console IP	string

### 3.45.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Schema
<b>AUTH_TIME</b> <i>optional</i>	string
<b>BWLIMIT</b> <i>optional</i>	string
<b>ID</b> <i>optional</i>	string

Name	Schema
<b>KEY_IMPORT_TIME</b> <i>optional</i>	string
<b>LINK_NAME</b> <i>optional</i>	string
<b>REMOTE_CONSOLE_IP</b> <i>optional</i>	string
<b>REMOTE_REPL_VIP</b> <i>optional</i>	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Unable to fetch target config.	string
<b>message</b> <i>optional</i>	Unable to fetch target config / server error.	string

### 3.45.4. Consumes

- `application/json`

### 3.45.5. Produces

- `application/json`

## 3.46. /replication/import\_keys

POST /replication/import\_keys

### 3.46.1. Description

Imports remote target SSH key to local.



### 3.46.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>remote_console_ip</b> <i>required</i>	Console IPv4 or IPv6 address for remote console.	string
<b>replication_key</b> <i>required</i>	SSH key of remote cluster.	string

### 3.46.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Import replication key of remote cluster.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to create import replication key of remote cluster task.	string
<b>message</b> <i>optional</i>	Failed to create import replication key of remote cluster task.	string

### 3.46.4. Consumes

- [application/json](#)

### 3.46.5. Produces

- [application/json](#)

## 3.47. /replication/ip\_bind

POST /replication/ip\_bind

### 3.47.1. Description

Binds a dedicated replication IPv4 or IPv6 address to the cluster.

### 3.47.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>ip_addr</b> <i>required</i>	IPv4 or IPv6 address	string

### 3.47.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Replication IP bound successfully.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to create start replication service task.	string
<b>message</b> <i>optional</i>	Task creation failed.	string

### 3.47.4. Consumes

- `application/json`

### 3.47.5. Produces

- `application/json`

## 3.48. /replication/ip\_unbind

POST /replication/ip\_unbind

### 3.48.1. Description

Binds a dedicated replication IPv4 or IPv6 address to the cluster.

### 3.48.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>ip_addr</b> <i>required</i>	IPv4 or IPv6 address	string

### 3.48.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>
<b>400</b>	Bad Request	<a href="#">Response 400</a>
<b>500</b>	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Replication IP unbind is successful.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to initiate delete replication VIP task.	string
<b>message</b> <i>optional</i>	Task creation failed.	string

### 3.48.4. Consumes

- `application/json`

### 3.48.5. Produces

- `application/json`

## 3.49. /replication/job

GET /replication/job

### 3.49.1. Description

Shows details for replication jobs

### 3.49.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<code>body</code>

**body**

Name	Description	Schema
<b>id</b> <i>required</i>	Replication unit ID.	string

### 3.49.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>
<b>400</b>	Bad Request	<a href="#">Response 400</a>
<b>500</b>	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Schema
<b>DEBUG</b> <i>optional</i>	string
<b>ENCRYPTION</b> <i>optional</i>	string
<b>EXCLUNIT_NAME</b> <i>optional</i>	string
<b>ID</b> <i>optional</i>	string
<b>JOB_NAME</b> <i>optional</i>	string
<b>JOB_TYPE</b> <i>optional</i>	string
<b>LINK_NAMES</b> <i>optional</i>	string
<b>ROLE</b> <i>optional</i>	string
<b>SCHEDULE_NAME</b> <i>optional</i>	string
<b>SRC_REPUNIT_NAME</b> <i>optional</i>	string
<b>STATE</b> <i>optional</i>	string
<b>TGRT_REPUNIT_NAMES</b> <i>optional</i>	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

## Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.49.4. Consumes

- `application/json`

### 3.49.5. Produces

- `application/json`

## 3.50. /replication/job\_failback

POST /replication/job\_failback

### 3.50.1. Description

only fire failback tasks

### 3.50.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<code>body</code>

#### body

Name	Description	Schema
<b>job_name</b> <i>required</i>	replication job name	string
<b>link_name</b> <i>required</i>	local link name	string

### 3.50.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Failback task is initiated successfully.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Replication failback task failed.	string
<b>message</b> <i>optional</i>	Replication failback task failed.	string

### 3.50.4. Consumes

- `application/json`

### 3.50.5. Produces

- `application/json`

## 3.51. /replication/job\_failback\_int

POST /replication/job\_failback\_int

### 3.51.1. Description

a command integrate all steps both at source and target

### 3.51.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

## body

Name	Description	Schema
<b>job_name</b> <i>required</i>	replication job name	string
<b>local_link</b> <i>required</i>	local link name	string
<b>remote_link</b> <i>required</i>	remote link name	string
<b>remote_passw ord</b> <i>required</i>	remote password for remote link	string
<b>remote_usern ame</b> <i>required</i>	remote user name for login	string

### 3.51.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>
<b>400</b>	Bad Request	<a href="#">Response 400</a>
<b>500</b>	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Failback task is initiated successfully.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summa ry</b> <i>optional</i>	Replication failback task failed.	string



Name	Description	Schema
<b>message</b> <i>optional</i>	Replication failback task failed.	string

### 3.51.4. Consumes

- `application/json`

### 3.51.5. Produces

- `application/json`

## 3.52. /replication/job\_failover

POST /replication/job\_failover

### 3.52.1. Description

only fire failover tasks

### 3.52.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>job_name</b> <i>required</i>	replication job name	string
<b>link_name</b> <i>required</i>	local link name	string

### 3.52.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>
<b>500</b>	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Failover is initiated successfully.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Replication failover task failed.	string
<b>message</b> <i>optional</i>	Replication failover task failed.	string

#### 3.52.4. Consumes

- `application/json`

#### 3.52.5. Produces

- `application/json`

### 3.53. /replication/job\_failover\_int

POST /replication/job\_failover\_int

#### 3.53.1. Description

a command integrate all steps both at source and target

#### 3.53.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<code>body</code>

#### body

Name	Description	Schema
<b>job_name</b> <i>required</i>	replication job name	string
<b>local_link</b> <i>required</i>	local link name	string

Name	Description	Schema
<b>remote_link</b> <i>required</i>	remote link name	string
<b>remote_password</b> <i>required</i>	remote password for remote link	string
<b>remote_username</b> <i>required</i>	remote user name for login	string

### 3.53.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>
<b>400</b>	Bad Request	<a href="#">Response 400</a>
<b>500</b>	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Failover task is initiated successfully.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Replication failover task failed.	string
<b>message</b> <i>optional</i>	Replication failover task failed.	string

### 3.53.4. Consumes

- `application/json`

### 3.53.5. Produces

- `application/json`

## 3.54. /replication/jobs

GET /replication/jobs

### 3.54.1. Description

Shows list of all replication jobs

### 3.54.2. Responses

HTTP Code	Description	Schema
200	Success	< <a href="#">Response 200</a> > array
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Schema
<b>DEBUG</b> <i>optional</i>	string
<b>ENCRYPTION</b> <i>optional</i>	string
<b>EXCLUNIT_NAME</b> <i>optional</i>	string
<b>ID</b> <i>optional</i>	string
<b>JOB_NAME</b> <i>optional</i>	string
<b>JOB_TYPE</b> <i>optional</i>	string
<b>LINK_NAMES</b> <i>optional</i>	string
<b>ROLE</b> <i>optional</i>	string
<b>SCHEDULE_NAME</b> <i>optional</i>	string

Name	Schema
<b>SRC_REPUNIT_NAME</b> <i>optional</i>	string
<b>STATE</b> <i>optional</i>	string
<b>TGRT_REPUNIT_NAMES</b> <i>optional</i>	string

### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.54.3. Consumes

- `application/json`

### 3.54.4. Produces

- `application/json`

## 3.55. /replication/repl\_schedule

GET /replication/repl\_schedule

### 3.55.1. Description

Display replication schedule created

### 3.55.2. Parameters

Type	Name	Description	Schema
Query	<b>id</b> <i>required</i>	Replication schedule ID	string

### 3.55.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>

HTTP Code	Description	Schema
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Schema
<b>ASSOCIATED_JOBS</b> <i>optional</i>	string
<b>DAY</b> <i>optional</i>	number
<b>HOURS</b> <i>optional</i>	number
<b>ID</b> <i>optional</i>	string
<b>MINUTES</b> <i>optional</i>	number
<b>MONTH</b> <i>optional</i>	number
<b>SCHEDULE_NAME</b> <i>optional</i>	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Unable to fetch replication schedule	string
<b>message</b> <i>optional</i>	Unable to fetch replication schedule / server error.	string

### 3.55.4. Consumes

- `application/json`

### 3.55.5. Produces

- `application/json`

## 3.56. /replication/repl\_schedules

GET /replication/repl\_schedules

### 3.56.1. Description

Display replication schedules created

### 3.56.2. Responses

HTTP Code	Description	Schema
200	Success	< <a href="#">Response 200</a> > array
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Schema
<b>ASSOCIATED_JOBS</b> <i>optional</i>	string
<b>DAY</b> <i>optional</i>	number
<b>HOURS</b> <i>optional</i>	number
<b>ID</b> <i>optional</i>	string
<b>MINUTES</b> <i>optional</i>	number
<b>MONTH</b> <i>optional</i>	number
<b>SCHEDULE_NAME</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Unable to fetch replication schedule.	string
<b>message</b> <i>optional</i>	Unable to fetch replication schedule / server error.	string

### 3.56.3. Consumes

- `application/json`

### 3.56.4. Produces

- `application/json`

## 3.57. /replication/repl\_unit

GET /replication/repl\_unit

### 3.57.1. Description

Display replication unit created

### 3.57.2. Parameters

Type	Name	Description	Schema
Query	<b>id</b> <i>required</i>	Replication unit ID	string

### 3.57.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>ENTRIES</b> <i>optional</i>		string
<b>ID</b> <i>optional</i>		string
<b>JOB_NAME</b> <i>optional</i>	replication unit job name.	string
<b>PATHS</b> <i>optional</i>	replication unit path.	string
<b>PATTERNS</b> <i>optional</i>	replication unit path pattern.	string
<b>ROLE</b> <i>optional</i>		string



Name	Description	Schema
<b>RPUNIT_NAME</b> <i>optional</i>	replication unit name.	string

#### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	FS name is null or empty	string
<b>message</b> <i>optional</i>	File system name is null or empty	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Unable to fetch replication unit	string
<b>message</b> <i>optional</i>	Unable to fetch replication unit / server error.	string

### 3.57.4. Consumes

- `application/json`

### 3.57.5. Produces

- `application/json`

## 3.58. /replication/repl\_units

```
GET /replication/repl_units
```

### 3.58.1. Description

Display replication units created

### 3.58.2. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	< <a href="#">Response 200</a> > array
<b>500</b>	Server Error	<a href="#">Response 500</a>

## Response 200

Name	Description	Schema
<b>ENTRIES</b> <i>optional</i>		string
<b>ID</b> <i>optional</i>		string
<b>JOB_NAME</b> <i>optional</i>	replication unit job name.	string
<b>PATHS</b> <i>optional</i>	replication unit path.	string
<b>PATTERNS</b> <i>optional</i>	replication unit path pattern.	string
<b>ROLE</b> <i>optional</i>		string
<b>RPUNIT_NAME</b> <i>optional</i>	replication unit name.	string

## Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Unable to fetch replication unit	string
<b>message</b> <i>optional</i>	Unable to fetch replication unit / server error.	string

### 3.58.3. Consumes

- `application/json`

### 3.58.4. Produces

- `application/json`

## 3.59. /replication/service\_status

```
GET /replication/service_status
```

### 3.59.1. Description

Shows status of replicatio service

### 3.59.2. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Schema
<b>links</b> <i>optional</i>	< <a href="#">links</a> > array

#### links

Name	Schema
<b>console_node_db_status</b> <i>optional</i>	string
<b>dameon_status</b> <i>optional</i>	string
<b>rep_node_db_status</b> <i>optional</i>	string
<b>total_status</b> <i>optional</i>	string
<b>vip_status</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Unable to fetch replication service status / server error.	string

### 3.59.3. Consumes

- `application/json`

### 3.59.4. Produces

- `application/json`

## 3.60. /replication/setup\_link

POST /replication/setup\_link

### 3.60.1. Description

Sets up Replication link between two clusters.

### 3.60.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>local_console_ip</b> <i>required</i>	Console IPv4 or IPv6 address for local console.	string
<b>local_password</b> <i>required</i>	Password for authentication on local cluster.	string
<b>local_username</b> <i>required</i>	Username for authentication on local cluster.	string
<b>remote_console_ip</b> <i>required</i>	Console IPv4 or IPv6 address for remote console.	string
<b>remote_password</b> <i>required</i>	Password for authentication on remote cluster.	string
<b>remote_username</b> <i>required</i>	Username for authentication on remote cluster.	string
<b>source_link_name</b> <i>required</i>	Link name on local cluster.	string
<b>targetlinkname</b> <i>required</i>	Link name on remote cluster.	string

### 3.60.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Set up replication link task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to initiate set up replication link task.	string
<b>message</b> <i>optional</i>	Failed to initiate set up replication link task.	string

### 3.60.4. Consumes

- `application/json`

### 3.60.5. Produces

- `application/json`

## 3.61. /replication/src\_config

```
GET /replication/src_config
```

### 3.61.1. Description

Display Replication Source Configuration

### 3.61.2. Responses

HTTP Code	Description	Schema
200	Success	< <a href="#">Response 200</a> > array
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Schema
<b>DAMEON_STATUS</b> <i>optional</i>	string
<b>ID</b> <i>optional</i>	string
<b>NODE_DB_STATUS</b> <i>optional</i>	string
<b>ONLINE_ON_NODE</b> <i>optional</i>	string
<b>REPL_DEVICE</b> <i>optional</i>	string
<b>REPL_NODE_DB_STATUS</b> <i>optional</i>	string
<b>REPL_VIP</b> <i>optional</i>	string
<b>TOTAL_STATUS</b> <i>optional</i>	string
<b>VIP_STATUS</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Unable to fetch source config.	string
<b>message</b> <i>optional</i>	Unable to fetch source config / server error.	string

### 3.61.3. Consumes

- `application/json`

### 3.61.4. Produces

- `application/json`

## 3.62. /replication/start\_service

POST /replication/start\_service

### 3.62.1. Description

Starts replication service.

### 3.62.2. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Replication service started successfully.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to create start replication service task.	string
<b>message</b> <i>optional</i>	Failed to create start replication service task.	string

### 3.62.3. Consumes

- `application/json`

### 3.62.4. Produces

- `application/json`

## 3.63. /replication/stop\_service

POST /replication/stop\_service

### 3.63.1. Description

Stops replication service.

### 3.63.2. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Replication service stopped successfully.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to create stop replication service task.	string
<b>message</b> <i>optional</i>	Failed to create stop replication service task.	string

### 3.63.3. Consumes

- `application/json`

### 3.63.4. Produces

- `application/json`

## 3.64. /replication/sync/unconfigure\_replication

POST /replication/sync/unconfigure\_replication



### 3.64.1. Description

Unconfigure Volume replication between two clusters.

### 3.64.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>fs_name</b> <i>required</i>	Name of the file system to unconfigure replication	string
<b>link_name</b> <i>required</i>	Name of the link associated with file system to unconfigure replication	string

### 3.64.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Unconfigure Volume replication task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to initiate unconfigure volume replication task.	string
<b>message</b> <i>optional</i>	Failed to initiate unconfigure volume replication task.	string

### 3.64.4. Consumes

- `application/json`

### 3.64.5. Produces

- `application/json`

## 3.65. /replication/sync\_job

POST /replication/sync\_job

### 3.65.1. Description

Synchronizes a replication job.

### 3.65.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>job_name</b> <i>required</i>	Specify a name for the replication job you want to synchronize.	string

### 3.65.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Synchronizing replication job:job1.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to initiate synchronized replication job	string
<b>message</b> <i>optional</i>	Task creation failed.	string

### 3.65.4. Consumes

- `application/json`

### 3.65.5. Produces

- `application/json`

## 3.66. /replication/trgt\_config

GET /replication/trgt\_config

### 3.66.1. Description

Display Replication Target Configuration

### 3.66.2. Parameters

Type	Name	Description	Schema
<b>Query</b>	<b>id</b> <i>required</i>	Replication unit ID.	string

### 3.66.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Schema
<b>AUTH_TIME</b> <i>optional</i>	string
<b>BWLIMIT</b> <i>optional</i>	string
<b>ID</b> <i>optional</i>	string
<b>KEY_IMPORT_TIME</b> <i>optional</i>	string
<b>LINK_NAME</b> <i>optional</i>	string
<b>REMOTE_CONSOLE_IP</b> <i>optional</i>	string
<b>REMOTE_REPL_VIP</b> <i>optional</i>	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Unable to fetch target config	string
<b>message</b> <i>optional</i>	Unable to fetch target config / server error.	string

### 3.66.4. Consumes

- `application/json`

### 3.66.5. Produces

- `application/json`

## 3.67. /replication/trgt\_configs

GET /replication/trgt\_configs

### 3.67.1. Description

Display Replication Target Configuration

### 3.67.2. Responses

HTTP Code	Description	Schema
200	Success	< <a href="#">Response 200</a> > array
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Schema
<b>AUTH_TIME</b> <i>optional</i>	string
<b>BWLIMIT</b> <i>optional</i>	string
<b>ID</b> <i>optional</i>	string
<b>KEY_IMPORT_TIME</b> <i>optional</i>	string
<b>LINK_NAME</b> <i>optional</i>	string
<b>REMOTE_CONSOLE_IP</b> <i>optional</i>	string
<b>REMOTE_REPL_VIP</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Unable to fetch target configs.	string
<b>message</b> <i>optional</i>	Unable to fetch target configs / server error.	string

### 3.67.3. Consumes

- `application/json`

### 3.67.4. Produces

- `application/json`

## 3.68. /replication/unset\_link

POST /replication/unset\_link

### 3.68.1. Description

Unsets Replication link between two clusters.

### 3.68.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<code>body</code>

#### body

Name	Description	Schema
<b>local_console_ip</b> <i>required</i>	Console IPv4 or IPv6 address for local console.	string
<b>local_password</b> <i>required</i>	Password for authentication on local cluster.	string
<b>local_username</b> <i>required</i>	Username for authentication on local cluster.	string
<b>remote_console_ip</b> <i>required</i>	Console IPv4 or IPv6 address for remote console.	string

Name	Description	Schema
<b>remote_password</b> <i>required</i>	Password for authentication on remote cluster.	string
<b>remote_username</b> <i>required</i>	Username for authentication on remote cluster.	string
<b>source_link_name</b> <i>required</i>	Link name on local cluster.	string
<b>targetlinkname</b> <i>required</i>	Link name on remote cluster.	string

### 3.68.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>
<b>400</b>	Bad Request	<a href="#">Response 400</a>
<b>500</b>	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Unsetup replication link task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Failed to initiate unsetup replication link task.	string

Name	Description	Schema
<b>message</b> <i>optional</i>	Failed to initiate unsetup replication link task.	string

### 3.68.4. Consumes

- [application/json](#)

### 3.68.5. Produces

- [application/json](#)

## 3.69. /report/fs\_report

GET /report/fs\_report

### 3.69.1. Description

Provides file sytem statistic report

### 3.69.2. Parameters

Type	Name	Description	Schema
Query	<b>fs_list</b> <i>required</i>	Comma-separated string of file system names.	string
Query	<b>interval</b> <i>required</i>	Interval for generating the report. Valid inputs as daily/weekly/monthly.	string

### 3.69.3. Responses

HTTP Code	Description	Schema
200	Success	< <a href="#">Response 200</a> > array
400	Bad Request	<a href="#">Response 400</a>

#### Response 200

Name	Description	Schema
<b>Date</b> <i>optional</i>	Date	string
<b>Time</b> <i>optional</i>	Time in milliseconds	number
<b>fs1</b> <i>optional</i>	Filesystem name	string



Name	Description	Schema
<b>fs2</b> <i>optional</i>	Filesystem name	string
<b>fs3</b> <i>optional</i>	Filesystem name	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

### 3.69.4. Consumes

- `application/json`

### 3.69.5. Produces

- `application/json`

## 3.70. /report/full\_storage\_report

GET /report/full\_storage\_report

### 3.70.1. Description

Provides full storage statistic report

### 3.70.2. Parameters

Type	Name	Description	Schema
<b>Query</b>	<b>interval</b> <i>required</i>	Interval for generating the report. Valid inputs as daily/weekly/monthly.	string

### 3.70.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	< < <a href="#">Response 200</a> > array > array

#### Response 200

Name	Description	Schema
<b>Cloud Usage</b> <i>optional</i>		number
<b>Date</b> <i>optional</i>	String representation of date.	string
<b>On Prem Usage</b> <i>optional</i>		number
<b>Total Storage Usage</b> <i>optional</i>		number
<b>fsTotalSize</b> <i>optional</i>	Total space of filesystems	number
<b>fsUsedSize</b> <i>optional</i>	Total space used by filesystems	number

### 3.70.4. Consumes

- `application/json`

### 3.70.5. Produces

- `application/json`

## 3.71. /report/pool\_report

GET /report/pool\_report

### 3.71.1. Description

Provides storage pool statistic report

### 3.71.2. Parameters

Type	Name	Description	Schema
Query	<b>interval</b> <i>required</i>	Interval for generating the report. Valid inputs as daily/weekly/monthly.	string
Query	<b>pool_list</b> <i>required</i>	Comma-separated string of storage pool names.	string

### 3.71.3. Responses

HTTP Code	Description	Schema
200	Success	< <a href="#">Response 200</a> > array
400	Bad Request	<a href="#">Response 400</a>

### Response 200

Name	Description	Schema
<b>Date</b> <i>optional</i>	Date	string
<b>Time</b> <i>optional</i>	Time in milliseconds	number
<b>pool1</b> <i>optional</i>	Pool name	string
<b>pool2</b> <i>optional</i>	Pool name	string
<b>pool3</b> <i>optional</i>	Pool name	string

### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

### 3.71.4. Consumes

- `application/json`

### 3.71.5. Produces

- `application/json`

## 3.72. /rest/authenticate

POST /rest/authenticate

### 3.72.1. Description

Authenticate user

### 3.72.2. Parameters

Type	Name	Description	Schema
Query	<b>password</b> <i>required</i>	User password	string
Query	<b>username</b> <i>required</i>	User Name	string

### 3.72.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>

#### Response 200

Name	Description	Schema
<b>role</b> <i>optional</i>	User role	string
<b>token</b> <i>optional</i>	Access token	string

### 3.72.4. Consumes

- `application/json`

### 3.72.5. Produces

- `application/json`

## 3.73. /sds/activate\_policy

POST /sds/activate\_policy

### 3.73.1. Description

Activate policy using required assets

### 3.73.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>optional</i>	<a href="#">body</a>

**body**

Name	Description	Schema
<b>cloud_info</b> <i>optional</i>	Name of the cloud subscription. This is required for LTR On-Premises Cloud policy.	string
<b>name</b> <i>required</i>	Policy name to be activated.	string
<b>pool_info</b> <i>required</i>	Name of the pool(s) used in policy activation.	string
<b>repl_info</b> <i>optional</i>	Target console IP. This is required for PROTECTION policy.	string
<b>schedule_info</b> <i>optional</i>	Schedule information. It must be in UNIX crontab format.	string

### 3.73.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Activate policy task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server.	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Task creation failed.	string
<b>message</b> <i>optional</i>	Activate policy task is failed.	string

### 3.73.4. Consumes

- `application/json`

### 3.73.5. Produces

- `application/json`

## 3.74. /sds/deactivate\_policy

POST /sds/deactivate\_policy

### 3.74.1. Description

Deactivate policy

### 3.74.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>name</b> <i>required</i>	Policy name to be deactivated	string

### 3.74.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Deactivate policy task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

## Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Task creation failed	string
<b>message</b> <i>optional</i>	Deactivate policy task failed.	string

### 3.74.4. Consumes

- `application/json`

### 3.74.5. Produces

- `application/json`

## 3.75. /sds/ltr

POST /sds/ltr

### 3.75.1. Description

Creates file system with bucket, cloud tier attached (if required) to backup NetBackup images on Veritas Access.

### 3.75.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<code>body</code>

#### body

Name	Description	Schema
<b>access_key</b> <i>required</i>	Access key created for an Active Directory (AD) user	string
<b>bucket_size</b> <i>required</i>	File system size to store NetBackup images. Valid units are G,T,P	string

Name	Description	Schema
<b>cloud_provider</b> <i>optional</i>	Cloud service provide name. This is required for LTR On-Premises + Cloud policy	string
<b>cloud_region</b> <i>optional</i>	Cloud service region. This is required for LTR On-Premises + Cloud policy	string
<b>cloud_subscription</b> <i>optional</i>	Name of the cloud subscription. This is required for LTR On-Premises + Cloud policy	string
<b>cloud_tier_type</b> <i>optional</i>	Type of cloud tier. This is required for LTR On-Premises + Cloud policy	string
<b>fs_type</b> <i>required</i>	Layout of the underlying volume on which the file system is created. Possible values are simple mirror	string
<b>not_modified_time</b> <i>optional</i>	Not modified days. Files not modified for mentioned days will be moved to cloud. This is required for LTR On-Premises + Cloud policy	string
<b>policy_name</b> <i>required</i>	Policy name should be LTR On-Premises+Cloud or LTR On-Premises	string
<b>schedule_hour</b> <i>optional</i>	File system policy schedule hours. This is required for LTR On-Premises + Cloud policy	string
<b>schedule_minutes</b> <i>optional</i>	File system policy schedule minutes <sup>3</sup> . This is required for LTR On-Premises + Cloud policy	string
<b>secret_key</b> <i>required</i>	Secret key created for an Active Directory (AD) user	string

### 3.75.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>
<b>400</b>	Bad Request	<a href="#">Response 400</a>
<b>500</b>	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Provisioning long-term retention storage task is initiated. Use task ID to check the status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400



Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Task creation failed.	string
<b>message</b> <i>optional</i>	Provisioning long-term retention storage task failed.	string

### 3.75.4. Consumes

- `application/json`

### 3.75.5. Produces

- `application/json`

## 3.76. /sds/provision\_storage

POST /sds/provision\_storage

### 3.76.1. Description

Creates filesystem, share and/or replication based on the selected policy

### 3.76.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<code>body</code>

#### body

Name	Description	Schema
<b>client</b> <i>required</i>	Client can be *, netgroup, IP address, or fully qualified domain name.	string

Name	Description	Schema
<b>export_options</b> <i>required</i>	NFS share options. The share options can be comma-separated list of ro,rw,sync,async,secure,insecure,secure_locks,insecure_locks,root_squash,no_root_squash,wdelay,no_wdelay,subtree_check,no_subtree_check,nodirplus. Some of the options are mutually exclusive. Refer to the product documentation.	string
<b>policy_name</b> <i>required</i>	Policy name should be PERFORMANCE, SENSITIVE_DATA or PROTECTION	string
<b>protocol</b> <i>required</i>	Protocol can be NFS or CIFS	string
<b>share_details</b> <i>required</i>		< <a href="#">share_details</a> > array
<b>share_name</b> <i>required</i>	Share Name should be alphanumeric characters	string
<b>size</b> <i>required</i>	Size can range from 1 to 1023. Valid units are K,M,G,T,P	string

#### share\_details

Name	Schema
<b>client</b> <i>optional</i>	string
<b>export_options</b> <i>optional</i>	string

### 3.76.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Creates filesystem, share and/or replication based on the selected policy	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Provision storage policy.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Task creation failed.	string
<b>message</b> <i>optional</i>	Provisioning storage policy task failed.	string

### 3.76.4. Consumes

- `application/json`

### 3.76.5. Produces

- `application/json`

## 3.77. /settings/ntp

GET /settings/ntp

### 3.77.1. Description

Get NTP info

### 3.77.2. Responses

HTTP Code	Description	Schema
<b>200</b>	success	<a href="#">Response 200</a>

#### Response 200

Name	Description	Schema
<b>cluster_id</b> <i>optional</i>	Cluster ID of NTP services	string
<b>ntp_status</b> <i>optional</i>	NTP service status: enable/disable/partly enable/ partly disable	string

Name	Description	Schema
<b>server_name</b> <i>optional</i>	NTP server name(s)	string

### 3.77.3. Consumes

- [application/json](#)

### 3.77.4. Produces

- [application/json](#)

## 3.78. /settings/ntp/add

POST /settings/ntp/add

### 3.78.1. Description

add server on ntp service

### 3.78.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>serverName</b> <i>required</i>	IP(s) or server name(s)	string

### 3.78.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Add new NTP server task is initiated. Use task ID to check status of the task.	string

Name	Description	Schema
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Add new NTP server task failed	string
<b>message</b> <i>optional</i>	Add new NTP server task failed.	string

### 3.78.4. Consumes

- `application/json`

### 3.78.5. Produces

- `application/json`

## 3.79. /settings/ntp/ops

POST /settings/ntp/ops

### 3.79.1. Description

do operations on ntp service

### 3.79.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>operation</b> <i>required</i>	sync/disable/enable	string

### 3.79.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>

HTTP Code	Description	Schema
500	Server Error	<a href="#">Response 500</a>

### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Sync NTP server task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Sync NTP server task failed	string
<b>message</b> <i>optional</i>	Sync NTP server task failed.	string

### 3.79.4. Consumes

- `application/json`

### 3.79.5. Produces

- `application/json`

## 3.80. /settings/ntp/remove

POST /settings/ntp/remove

### 3.80.1. Description

remove server on ntp service

### 3.80.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

**body**

Name	Description	Schema
<b>serverName</b> <i>required</i>	IP(s) or server name(s)	string

### 3.80.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Remove NTP server task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Remove NTP server task failed	string
<b>message</b> <i>optional</i>	Remove NTP server task failed.	string

### 3.80.4. Consumes

- `application/json`

### 3.80.5. Produces

- `application/json`

## 3.81. /settings/ntp/set

POST /settings/ntp/set

### 3.81.1. Description

Set ntp service

### 3.81.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>serverName</b> <i>required</i>	NTP server name will be set	string

### 3.81.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	New NTP settings task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	New NTP settings task failed	string
<b>message</b> <i>optional</i>	New NTP settings task failed.	string

### 3.81.4. Consumes

- [application/json](#)

### 3.81.5. Produces

- [application/json](#)

## 3.82. /settings/user/add



POST /settings/user/add

### 3.82.1. Description

a command to add a user

### 3.82.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>password</b> <i>required</i>	new user's password	string
<b>role</b> <i>required</i>	system-admin   storage-admin   master	string
<b>user</b> <i>required</i>	new user name	string

### 3.82.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Add new user task is initiated successfully.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Add new user task failed.	string
<b>message</b> <i>optional</i>	Add new user task failed.	string

### 3.82.4. Consumes

- `application/json`

### 3.82.5. Produces

- `application/json`

## 3.83. /settings/user/remove

POST /settings/user/remove

### 3.83.1. Description

a command to remove user

### 3.83.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>user</b> <i>required</i>	User name	string

### 3.83.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Delete user task is initiated successfully.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Delete user task failed.	string
<b>message</b> <i>optional</i>	Delete user task failed.	string

### 3.83.4. Consumes

- [application/json](#)

### 3.83.5. Produces

- [application/json](#)

## 3.84. /share/add\_nfs\_client

POST /share/add\_nfs\_client

### 3.84.1. Description

Add NFS client

### 3.84.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>client</b> <i>required</i>	Client can be *, netgroup, IP address, or fully qualified domain name.	string
<b>export_options</b> <i>required</i>	NFS share options. The share options can be comma-separated list of ro,rw,sync,async,secure,insecure,secure_locks,insecure_locks,root_squash,no_root_squash,wdelay,no_wdelay,subtree_check,no_subtree_check,nodirplus. Some of the options are mutually exclusive. Refer to the product documentation.	string
<b>path</b> <i>required</i>	Directory path where the NFS client would access the NFS share.	string
<b>share_details</b> <i>required</i>	List of shareOptions.	< <a href="#">share_details</a> > array

#### share\_details

Name	Schema
<b>client</b> <i>optional</i>	string
<b>export_options</b> <i>optional</i>	string

### 3.84.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Add NFS client task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.84.4. Consumes

- `application/json`

### 3.84.5. Produces

- `application/json`

## 3.85. /share/all\_shares

GET /share/all\_shares

### 3.85.1. Description

List all the shares in the cluster.

### 3.85.2. Parameters

Type	Name	Description	Schema
Query	<b>multiprotocolCombine</b> <i>required</i>	yes/no If the value of multiprotocolCombine is yes, then the NFS/S3 shares are listed together, else the NFS and S3 shares are listed separately.	string

### 3.85.3. Responses

HTTP Code	Description	Schema
200	Success	< <a href="#">Response 200</a> > array
400	Bad request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Schema
<b>fs_name</b> <i>optional</i>	string
<b>fs_status</b> <i>optional</i>	string
<b>mount_point_type</b> <i>optional</i>	string
<b>parent_id</b> <i>optional</i>	string
<b>parent_type</b> <i>optional</i>	string
<b>path</b> <i>optional</i>	string
<b>share_name</b> <i>optional</i>	string
<b>status</b> <i>optional</i>	string

Name	Schema
<b>subsys_id</b> <i>optional</i>	string

#### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Invalid Input	string
<b>message</b> <i>optional</i>	The input provided to list all shares is not passed in required format.	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.85.4. Consumes

- `application/json`

### 3.85.5. Produces

- `application/json`

## 3.86. /share/all\_shares\_details\_by\_fsname

```
GET /share/all_shares_details_by_fsname
```

### 3.86.1. Description

List details of all the shares in the cluster by FileSystemName

### 3.86.2. Parameters

Type	Name	Description	Schema
Query	<b>fsname</b> <i>required</i>	File System Name.	string

### 3.86.3. Responses

HTTP Code	Description	Schema
200	Success	< <a href="#">Response 200</a> > array
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>shares</b> <i>optional</i>		< <a href="#">shares</a> > array
<b>type</b> <i>optional</i>	Share type CIFS/NFS or S3	string

#### shares

Name	Description	Schema
<b>access_key</b> <i>optional</i>	<account secret key>	string
<b>account_name</b> <i>optional</i>	<S3 account>	string
<b>host_id</b> <i>optional</i>		string
<b>host_name</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	share ID	string
<b>name</b> <i>optional</i>	share name	string
<b>parent_type</b> <i>optional</i>	<Filesystem Id>	string
<b>path</b> <i>optional</i>	share path	string
<b>privilege</b> <i>optional</i>	<shareOptions of the share>	string
<b>secret_key</b> <i>optional</i>	<account secret key>	string
<b>status</b> <i>optional</i>	<status of the shareserver>	string
<b>subsys_id</b> <i>optional</i>		string

## Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

## Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve Share Details information from the server.	string

### 3.86.4. Consumes

- `application/json`

### 3.86.5. Produces

- `application/json`

## 3.87. /share/all\_shares\_details\_by\_path

```
GET /share/all_shares_details_by_path
```

### 3.87.1. Description

List details of all the shares in the cluster by path

### 3.87.2. Parameters

Type	Name	Description	Schema
Query	<b>path</b> <i>required</i>	File System Directory path.	string

### 3.87.3. Responses

HTTP Code	Description	Schema
200	Success	< <a href="#">Response 200</a> > array



HTTP Code	Description	Schema
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

## Response 200

Name	Description	Schema
<b>shares</b> <i>optional</i>		< <a href="#">shares</a> > array
<b>type</b> <i>optional</i>	Share type CIFS/NFS or S3	string

## shares

Name	Description	Schema
<b>access_key</b> <i>optional</i>	<account secret key>	string
<b>account_name</b> <i>optional</i>	<S3 account>	string
<b>host_id</b> <i>optional</i>		string
<b>host_name</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	share ID	string
<b>name</b> <i>optional</i>	share name	string
<b>parent_type</b> <i>optional</i>	<Filesystem Id>	string
<b>path</b> <i>optional</i>	share path	string
<b>privilege</b> <i>optional</i>	<shareOptions of the share>	string
<b>secret_key</b> <i>optional</i>	<account secret key>	string
<b>status</b> <i>optional</i>	<status of the shareserver>	string
<b>subsys_id</b> <i>optional</i>		string

## Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

## Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve Share Details information from the server.	string

## 3.87.4. Consumes

- `application/json`

## 3.87.5. Produces

- `application/json`

# 3.88. /share/allow\_cifs\_permission

POST /share/allow\_cifs\_permission

## 3.88.1. Description

Allow CIFS Permission

## 3.88.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<code>body</code>

### body

Name	Description	Schema
<b>allow_groups</b> <i>required</i>	List of allowed groups.	< <code>allow_groups</code> > array
<b>allow_users</b> <i>required</i>	List of allowed users.	< <code>allow_users</code> > array

Name	Description	Schema
<b>group</b> <i>required</i>	CIFS groups allowed to access the share.	string
<b>share_name</b> <i>required</i>	Share Name of the existing CIFS share to allow the user/group to access it.	string
<b>user</b> <i>required</i>	CIFS user allowed to access the share.	string

#### allow\_groups

Name	Schema
<b>group</b> <i>optional</i>	string

#### allow\_users

Name	Schema
<b>user</b> <i>optional</i>	string

### 3.88.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Allow CIFS permission task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.88.4. Consumes

- `application/json`

### 3.88.5. Produces

- `application/json`

## 3.89. /share/cifs\_shares

GET /share/cifs\_shares

### 3.89.1. Description

List all the CIFS shares in the cluster.

### 3.89.2. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	< <a href="#">Response 200</a> > array
<b>400</b>	Server error	<a href="#">Response 400</a>

#### Response 200

Name	Schema
<b>fs_name</b> <i>optional</i>	string
<b>fs_status</b> <i>optional</i>	string
<b>mount_point_type</b> <i>optional</i>	string
<b>parent_id</b> <i>optional</i>	string
<b>parent_type</b> <i>optional</i>	string

Name	Schema
<b>path</b> <i>optional</i>	string
<b>share_name</b> <i>optional</i>	string
<b>status</b> <i>optional</i>	string
<b>subsys_id</b> <i>optional</i>	string

## Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.89.3. Consumes

- `application/json`

### 3.89.4. Produces

- `application/json`

## 3.90. /share/cifs\_shares\_details\_by\_fsname

```
GET /share/cifs_shares_details_by_fsname
```

### 3.90.1. Description

List details of all the CIFS shares in the cluster by FileSystemName

### 3.90.2. Parameters

Type	Name	Description	Schema
<b>Query</b>	<b>fsname</b> <i>required</i>	File System Name.	string

### 3.90.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

### Response 200

Name	Description	Schema
<b>shares</b> <i>optional</i>		< <a href="#">shares</a> > array
<b>type</b> <i>optional</i>	Share type CIFS	string

### shares

Name	Description	Schema
<b>host_id</b> <i>optional</i>		string
<b>host_name</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	share ID	string
<b>name</b> <i>optional</i>	share name	string
<b>parent_type</b> <i>optional</i>	Filesystem Id	string
<b>path</b> <i>optional</i>	share path	string
<b>privilege</b> <i>optional</i>	shareOptions of the share	string
<b>status</b> <i>optional</i>	Status of the shareserver	string
<b>subsys_id</b> <i>optional</i>		string

### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve CIFS Share Details information from the server.	string

### 3.90.4. Consumes

- `application/json`

### 3.90.5. Produces

- `application/json`

## 3.91. /share/cifs\_shares\_details\_by\_path

```
GET /share/cifs_shares_details_by_path
```

### 3.91.1. Description

List all the CIFS shares in the cluster by path

### 3.91.2. Parameters

Type	Name	Description	Schema
Query	<b>path</b> <i>required</i>	File System Directory path.	string

### 3.91.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>shares</b> <i>optional</i>		< <a href="#">shares</a> > array
<b>type</b> <i>optional</i>	Share type CIFS	string

## shares

Name	Description	Schema
<b>host_id</b> <i>optional</i>		string
<b>host_name</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	share ID	string
<b>name</b> <i>optional</i>	share name	string
<b>parent_type</b> <i>optional</i>	Filesystem Id	string
<b>path</b> <i>optional</i>	share path	string
<b>privilege</b> <i>optional</i>	shareOptions of the share	string
<b>status</b> <i>optional</i>	Status of the shareserver	string
<b>subsys_id</b> <i>optional</i>		string

## Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

## Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve CIFS Share Details information from the server.	string

## 3.91.4. Consumes

- `application/json`

## 3.91.5. Produces

- `application/json`



## 3.92. /share/create\_cifs\_share

POST /share/create\_cifs\_share

### 3.92.1. Description

Create CIFS share

### 3.92.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>path</b> <i>required</i>	Directory Path where the CIFS share will be created.	string
<b>share_details</b> <i>required</i>	List of shareOptions.	< <a href="#">share_details</a> > array
<b>share_name</b> <i>required</i>	Share Name of the CIFS share to be created.	string
<b>share_options</b> <i>required</i>	CIFS share options. The share options can be comma-separated list of ro,rw,guest,noguest,oplocks,nooplocks,full_acl,no_full_acl,enable_encryption,disable_encryption,shadow_copy,hide_unreadable,veto_sys_files,enable_durable_handles,owner=ownername,group=groupname,ip=virtualip,fs_mode=fspermission,dir_mask=dirpermission,create_mask=filepermission,allow=user:@group,deny=user:@group. Some of the options are mutually exclusive. Refer to the product documentation.	string

#### share\_details

Name	Schema
<b>share_name</b> <i>optional</i>	string
<b>share_options</b> <i>optional</i>	string

### 3.92.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Create CIFS share task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.92.4. Consumes

- `application/json`

### 3.92.5. Produces

- `application/json`

## 3.93. /share/create\_nfs\_share

POST /share/create\_nfs\_share

### 3.93.1. Description

Create NFS share

### 3.93.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>client</b> <i>required</i>	Client can be *, netgroup, IP address, or fully qualified domain name.	string
<b>export_options</b> <i>required</i>	NFS share options. The share options can be comma-separated list of ro,rw,sync,async,secure,insecure,secure_locks,insecure_locks,root_squash,no_root_squash,wdelay,no_wdelay,subtree_check,no_subtree_check,nordirplus. Some of the options are mutually exclusive. Refer to the product documentation.	string
<b>path</b> <i>required</i>	Directory Path where the NFS share will be created.	string
<b>share_details</b> <i>required</i>	List of shareOptions.	< <a href="#">share_details</a> > array

#### share\_details

Name	Schema
<b>client</b> <i>optional</i>	string
<b>export_options</b> <i>optional</i>	string

### 3.93.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Create NFS share task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.93.4. Consumes

- `application/json`

### 3.93.5. Produces

- `application/json`

## 3.94. /share/delete\_cifs\_share

```
DELETE /share/delete_cifs_share
```

### 3.94.1. Description

Delete CIFS share

### 3.94.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<code>body</code>

**body**

Name	Description	Schema
<b>share_name</b> <i>required</i>	CIFS share name to be deleted.	string

### 3.94.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Delete CIFS share task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.94.4. Consumes

- `application/json`

### 3.94.5. Produces

- `application/json`

## 3.95. /share/delete\_nfs\_share

DELETE /share/delete\_nfs\_share

### 3.95.1. Description

Delete NFS share

### 3.95.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>path</b> <i>required</i>	Directory path where the NFS share will be deleted.	string

### 3.95.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Delete NFS share task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.95.4. Consumes

- `application/json`

### 3.95.5. Produces

- `application/json`

## 3.96. /share/deny\_cifs\_permission

POST /share/deny\_cifs\_permission

### 3.96.1. Description

Deny CIFS Permission

### 3.96.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<code>body</code>

#### body

Name	Description	Schema
<b>allow_groups</b> <i>required</i>	List of denied groups.	< <code>allow_groups</code> > array
<b>allow_users</b> <i>required</i>	List of denied users.	< <code>allow_users</code> > array
<b>group</b> <i>required</i>	CIFS groups denied to access the share.	string
<b>share_name</b> <i>required</i>	Share Name of the existing CIFS share to deny the user/group to access it.	string
<b>user</b> <i>required</i>	CIFS user denied to access the share.	string

#### allow\_groups

Name	Schema
<b>group</b> <i>optional</i>	string

#### allow\_users

Name	Schema
<b>user</b> <i>optional</i>	string

### 3.96.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Deny CIFS permission task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.96.4. Consumes

- `application/json`



### 3.96.5. Produces

- `application/json`

## 3.97. /share/modify\_cifs\_permission

POST /share/modify\_cifs\_permission

### 3.97.1. Description

Modify CIFS permission

### 3.97.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>share_name</b> <i>required</i>	Share Name of the CIFS share to be modified.	string
<b>share_options</b> <i>required</i>	CIFS share options. The share options can be comma-separated list of ro,rw,guest,noguest,oplocks,nooplocks,full_acl,no_full_acl,enable_encryption,disable_encryption,shadow_copy,hide_unreadable,veto_sys_files,enable_durable_handles,owner=ownername,group=groupname,ip=virtualip,fs_mode=fspermission,dir_mask=dirpermission,create_mask=filepermission,allow=user:@group,deny=user:@group. Some of the options are mutually exclusive. Refer to the product documentation.	string

### 3.97.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Modify CIFS permission task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.97.4. Consumes

- `application/json`

### 3.97.5. Produces

- `application/json`

## 3.98. /share/nfs\_shares

GET /share/nfs\_shares

### 3.98.1. Description

List all the NFS shares in the cluster

### 3.98.2. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	< <a href="#">Response 200</a> > array

HTTP Code	Description	Schema
400	Server error	<a href="#">Response 400</a>

### Response 200

Name	Schema
<b>fs_name</b> <i>optional</i>	string
<b>fs_status</b> <i>optional</i>	string
<b>mount_point_type</b> <i>optional</i>	string
<b>parent_id</b> <i>optional</i>	string
<b>parent_type</b> <i>optional</i>	string
<b>path</b> <i>optional</i>	string
<b>share_name</b> <i>optional</i>	string
<b>status</b> <i>optional</i>	string
<b>subsys_id</b> <i>optional</i>	string

### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.98.3. Consumes

- `application/json`

### 3.98.4. Produces

- `application/json`

## 3.99. /share/nfs\_shares\_details\_by\_fsname

```
GET /share/nfs_shares_details_by_fsname
```

### 3.99.1. Description

List details of all the NFS shares in the cluster by FileSystemName

### 3.99.2. Parameters

Type	Name	Description	Schema
Query	<b>fsname</b> <i>required</i>	File System Name.	string

### 3.99.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>shares</b> <i>optional</i>		< <a href="#">shares</a> > array
<b>type</b> <i>optional</i>	Share type NFS	string

#### shares

Name	Description	Schema
<b>host_id</b> <i>optional</i>		string
<b>host_name</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	share ID	string
<b>name</b> <i>optional</i>	share name	string
<b>parent_type</b> <i>optional</i>	<Filesystem Id>	string
<b>path</b> <i>optional</i>	share path	string

Name	Description	Schema
<b>privilege</b> <i>optional</i>	<shareOptions of the share>	string
<b>status</b> <i>optional</i>	<status of the shareserver>	string
<b>subsys_id</b> <i>optional</i>		string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve NFS Share Details information from the server.	string

### 3.99.4. Consumes

- `application/json`

### 3.99.5. Produces

- `application/json`

## 3.100. /share/nfs\_shares\_details\_by\_path

```
GET /share/nfs_shares_details_by_path
```

### 3.100.1. Description

List details of all the NFS shares in the cluster by path

### 3.100.2. Parameters

Type	Name	Description	Schema
Query	<b>path</b> <i>required</i>	File system directory path.	string

### 3.100.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>shares</b> <i>optional</i>		< <a href="#">shares</a> > array
<b>type</b> <i>optional</i>	Share type NFS	string

#### shares

Name	Description	Schema
<b>host_id</b> <i>optional</i>		string
<b>host_name</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	share ID	string
<b>name</b> <i>optional</i>	share name	string
<b>parent_type</b> <i>optional</i>	<Filesystem Id>	string
<b>path</b> <i>optional</i>	share path	string
<b>privilege</b> <i>optional</i>	<shareOptions of the share>	string
<b>status</b> <i>optional</i>	<status of the shareserver>	string
<b>subsys_id</b> <i>optional</i>		string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve NFS Share Details information from the server.	string

### 3.100.4. Consumes

- `application/json`

### 3.100.5. Produces

- `application/json`

## 3.101. /share/remove\_nfs\_client

DELETE /share/remove\_nfs\_client

### 3.101.1. Description

Remove NFS client

### 3.101.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<code>body</code>

#### body

Name	Description	Schema
<b>client</b> <i>required</i>	Client can be *, netgroup, IP address, or fully qualified domain name.	string
<b>path</b> <i>required</i>	Directory path where the NFS client access will be removed from the NFS share.	string

Name	Description	Schema
<b>share_details</b> <i>required</i>	List of shareOptions.	< <a href="#">share_details</a> > array

#### share\_details

Name	Schema
<b>client</b> <i>optional</i>	string

### 3.101.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Remove NFS client task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.101.4. Consumes

- `application/json`



### 3.101.5. Produces

- `application/json`

## 3.102. /share/start\_server

POST /share/start\_server

### 3.102.1. Description

Start NFS, CIFS or S3 server

### 3.102.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>nfs_server_type</b> <i>required</i>	The NFS server type is only required if the NFS server is to be started.	string
<b>server_type</b> <i>required</i>	Share types can be NFS, CIFS, S3, or any combination of the three.	string
<b>share_server</b> <i>required</i>	List of share types	< <a href="#">share_server</a> > array

#### share\_server

Name	Description	Schema
<b>nfs_server_type</b> <i>optional</i>	KNFS/GNFS	string
<b>server_type</b> <i>optional</i>		string

### 3.102.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server error	<a href="#">Response 500</a>

## Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	<NFS/CIFS/S3> server start task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

## Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Insufficient server parameter	string
<b>message</b> <i>optional</i>	Input parameter share_server is required.	string

## Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

## 3.102.4. Consumes

- `application/json`

## 3.102.5. Produces

- `application/json`

# 3.103. /share/stop\_server

POST /share/stop\_server

## 3.103.1. Description

Stop NFS, CIFS or S3 server

## 3.103.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<a href="#">body</a>

## body

Name	Description	Schema
<b>server_type</b> <i>required</i>	Share Types can be NFS, CIFS , S3 or any combination of the three.	string
<b>share_server</b> <i>required</i>	List of share types	< <a href="#">share_server</a> > array

## share\_server

Name	Description	Schema
<b>server_type</b> <i>optional</i>	Sshare types	string

## 3.103.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>
<b>400</b>	Bad Request	<a href="#">Response 400</a>
<b>500</b>	Server error	<a href="#">Response 500</a>

### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	NFS/CIFS/S3 server stop task is initiated.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Insufficient server parameter	string
<b>message</b> <i>optional</i>	Input parameter share_server is required.	string

### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.103.4. Consumes

- `application/json`

### 3.103.5. Produces

- `application/json`

## 3.104. /snapshot/create

PUT /snapshot/create

### 3.104.1. Description

Create a snapshot for a particular file system.

### 3.104.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>fs_name</b> <i>required</i>	Name of the file system from which the snapshot was taken	string
<b>removable</b> <i>required</i>	YES specifies the snapshot to be removed if the size of the disk becomes full, NO specifies otherwise	string
<b>snapshot_name</b> <i>required</i>	Name of the snapshot to be created	string

### 3.104.3. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	<a href="#">Response 200</a>

HTTP Code	Description	Schema
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Create snapshot <snapshotName> task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Task creation failed	string
<b>message</b> <i>optional</i>	Failed to create task.	string

## 3.104.4. Consumes

- `application/json`

## 3.104.5. Produces

- `application/json`

# 3.105. /snapshot/delete

```
DELETE /snapshot/delete
```

## 3.105.1. Description

Delete a snapshot for a particular file system

### 3.105.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>fsName</b> <i>required</i>	Name of the filesystem from which the snapshot should be deleted	string
<b>name</b> <i>required</i>	Name of the snapshot to be deleted	string
<b>snapshotDetails</b> <i>required</i>	snapshot JSON	string
<b>snapshot</b> <i>required</i>	List of snapshots	string

### 3.105.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Delete snapshot operation initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Task creation failed	string
<b>message</b> <i>optional</i>	Failed to create task.	string

### 3.105.4. Consumes

- `application/json`

### 3.105.5. Produces

- `application/json`

## 3.106. /snapshot/restore\_snapshot

POST /snapshot/restore\_snapshot

### 3.106.1. Description

Restore a snapshot for a particular file system. User also has an option to make the file system online or not after restore

### 3.106.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<code>body</code>

#### body

Name	Description	Schema
<b>force_fs_online</b> <i>required</i>	Make file system online after restore or not. If yes, specify 1. If not, specify 0	string
<b>fs_name</b> <i>required</i>	Name of the file system from which the snapshot took	string
<b>snapshot_name</b> <i>required</i>	Name of the snapshot to be restored	string

### 3.106.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Restore snapshot task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Missed a required parameter	string
<b>message</b> <i>optional</i>		string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Task creation failed	string
<b>message</b> <i>optional</i>	Failed to create task.	string

### 3.106.4. Consumes

- `application/json`

### 3.106.5. Produces

- `application/json`

## 3.107. /storage/disk/add

POST /storage/disk/add



### 3.107.1. Description

Add disk(s) to storage pool

### 3.107.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>disks</b> <i>required</i>	Comma-separated disks name to be added to storage pool	string
<b>poolname</b> <i>required</i>	Name of source storage pool	string

### 3.107.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Add disks to storage pool task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Task creation failed	string
<b>message</b> <i>optional</i>	Failed to create add disks to storage pool task.	string

### 3.107.4. Consumes

- [application/json](#)

### 3.107.5. Produces

- [application/json](#)

## 3.108. /storage/disk/move

POST /storage/disk/move

### 3.108.1. Description

Move disk(s) from storage pool

### 3.108.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>destpool</b> <i>required</i>	Name of destination storage pool	string
<b>disks</b> <i>required</i>	Comma-separated disks name to be moved to storage pool	string
<b>sourcepool</b> <i>required</i>	Name of source storage pool	string

### 3.108.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>

HTTP Code	Description	Schema
500	Server Error	<a href="#">Response 500</a>

### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Move disks to storage pool task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Task creation failed	string
<b>message</b> <i>optional</i>	Failed to create move disks to storage pool task.	string

## 3.108.4. Consumes

- `application/json`

## 3.108.5. Produces

- `application/json`

# 3.109. /storage/disk/remove

POST /storage/disk/remove

## 3.109.1. Description

Remove disk(s) from storage pool

### 3.109.2. Parameters

Type	Name	Schema
Body	<b>body</b> <i>required</i>	<a href="#">body</a>

#### body

Name	Description	Schema
<b>disks</b> <i>required</i>	Comma-separated disks name to be removed from storage pool	string

### 3.109.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Remove disks from storage pool task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Task creation failed	string
<b>message</b> <i>optional</i>	Failed to create remove disks from storage pool task.	string

### 3.109.4. Consumes

- `application/json`

### 3.109.5. Produces

- `application/json`

## 3.110. /storage/disks

GET /storage/disks

### 3.110.1. Description

List all the shared disks in the cluster

### 3.110.2. Responses

HTTP Code	Description	Schema
200	Success	< <a href="#">Response 200</a> > array
400	Server error	<a href="#">Response 400</a>

#### Response 200

Name	Schema
<b>NODE_NAMES</b> <i>optional</i>	string
<b>available_size</b> <i>optional</i>	integer
<b>device_group_name</b> <i>optional</i>	string
<b>enclosure</b> <i>optional</i>	string
<b>fs_id</b> <i>optional</i>	string
<b>fs_name</b> <i>optional</i>	string
<b>health</b> <i>optional</i>	string
<b>id</b> <i>optional</i>	string
<b>name</b> <i>optional</i>	string

Name	Schema
<b>path</b> <i>optional</i>	string
<b>serial</b> <i>optional</i>	string
<b>size</b> <i>optional</i>	integer
<b>spare</b> <i>optional</i>	string
<b>status</b> <i>optional</i>	string
<b>vendor</b> <i>optional</i>	string
<b>version</b> <i>optional</i>	string

#### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.110.3. Consumes

- `application/json`

### 3.110.4. Produces

- `application/json`

## 3.111. /storage/nodes

GET /storage/nodes

### 3.111.1. Description

List all the nodes in the cluster

### 3.111.2. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Server error	<a href="#">Response 400</a>

## Response 200

Name	Schema
<b>nodeInfo</b> <i>optional</i>	<a href="#">nodeInfo</a>
<b>nodeList</b> <i>optional</i>	< <a href="#">nodeList</a> > array

## nodeInfo

Name	Description	Schema
<b>architecture</b> <i>optional</i>	architecture	string
<b>build_version</b> <i>optional</i>	build version	string
<b>cpuUsed</b> <i>optional</i>	cpu used	string
<b>cvm_state</b> <i>optional</i>	Master/slave state	string
<b>family</b> <i>optional</i>	Red hat family	string
<b>isa_version</b> <i>optional</i>	Access Version	string
<b>memoryUsed</b> <i>optional</i>		string
<b>node</b> <i>optional</i>	Node name	string
<b>os_version</b> <i>optional</i>		string
<b>platform</b> <i>optional</i>		string

## nodeList

Name	Description	Schema
<b>discovery</b> <i>optional</i>		integer
<b>id</b> <i>optional</i>	Node ID	string

Name	Description	Schema
<b>name</b> <i>optional</i>	Node name	string
<b>os_version</b> <i>optional</i>		string
<b>state</b> <i>optional</i>	Node state	string

#### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.111.3. Consumes

- `application/json`

### 3.111.4. Produces

- `application/json`

## 3.112. /storage/pool

GET /storage/pool

### 3.112.1. Description

List all the storage pool in the cluster

### 3.112.2. Responses

HTTP Code	Description	Schema
<b>200</b>	Success	< <a href="#">Response 200</a> > array
<b>400</b>	Server error	<a href="#">Response 400</a>

#### Response 200



Name	Schema
<b>capacity</b> <i>optional</i>	integer
<b>device_group_id</b> <i>optional</i>	string
<b>device_group_name</b> <i>optional</i>	string
<b>ndevices</b> <i>optional</i>	integer
<b>used_size</b> <i>optional</i>	integer

#### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

### 3.112.3. Consumes

- `application/json`

### 3.112.4. Produces

- `application/json`

## 3.113. /storage/pool/create\_ex

POST /storage/pool/create\_ex

### 3.113.1. Description

Create new storage pool

### 3.113.2. Parameters

Type	Name	Schema
<b>Body</b>	<b>body</b> <i>required</i>	<code>body</code>

**body**

Name	Description	Schema
<b>disks</b> <i>required</i>	Comma-separated disks name to be created to storage pool	string
<b>poolname</b> <i>required</i>	Name of the storage pool to be created	string

### 3.113.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>
400	Bad Request	<a href="#">Response 400</a>
500	Server Error	<a href="#">Response 500</a>

#### Response 200

Name	Description	Schema
<b>message</b> <i>optional</i>	Create storage pool task is initiated. Use task ID to check status of the task.	string
<b>task_Id</b> <i>optional</i>	Task ID returned from the server	string

#### Response 400

Name	Schema
<b>error_summary</b> <i>optional</i>	string
<b>message</b> <i>optional</i>	string

#### Response 500

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Task creation failed	string
<b>message</b> <i>optional</i>	Failed to create storage pool task.	string

### 3.113.4. Consumes

- `application/json`

### 3.113.5. Produces

- `application/json`

## 3.114. /task

GET /task

### 3.114.1. Description

List of all tasks

### 3.114.2. Responses

HTTP Code	Description	Schema
200	Success	< <a href="#">Response 200</a> > array
400	Server error	<a href="#">Response 400</a>

#### Response 200

Name	Schema
<b>command_executed</b> <i>optional</i>	string
<b>display_name</b> <i>optional</i>	string
<b>end_time</b> <i>optional</i>	string
<b>id</b> <i>optional</i>	string
<b>is_parent</b> <i>optional</i>	boolean
<b>local_end_time</b> <i>optional</i>	string
<b>local_start_time</b> <i>optional</i>	string
<b>name</b> <i>optional</i>	string
<b>num_children</b> <i>optional</i>	number
<b>num_completed</b> <i>optional</i>	string
<b>output</b> <i>optional</i>	string
<b>parent_tskid</b> <i>optional</i>	string

Name	Schema
<b>progress</b> <i>optional</i>	string
<b>source</b> <i>optional</i>	string
<b>source_id</b> <i>optional</i>	string
<b>source_type</b> <i>optional</i>	string
<b>start_time</b> <i>optional</i>	string
<b>state</b> <i>optional</i>	string
<b>target</b> <i>optional</i>	string
<b>target_id</b> <i>optional</i>	string
<b>target_type</b> <i>optional</i>	string
<b>user_name</b> <i>optional</i>	string

#### Response 400

Name	Description	Schema
<b>error_summary</b> <i>optional</i>	Server error	string
<b>message</b> <i>optional</i>	Not able to retrieve information from the server.	string

#### 3.114.3. Consumes

- `application/json`

#### 3.114.4. Produces

- `application/json`

#### 3.114.5. Security

Type	Name
apiKey	<a href="#">ApiKeyAuth</a>

## 3.115. /task/{id}

GET /task/{id}

### 3.115.1. Description

Get detail about a task

### 3.115.2. Parameters

Type	Name	Description	Schema
Path	<b>id</b> <i>required</i>	Task Id	string

### 3.115.3. Responses

HTTP Code	Description	Schema
200	Success	<a href="#">Response 200</a>

#### Response 200

Name	Schema
<b>command_executed</b> <i>optional</i>	string
<b>display_name</b> <i>optional</i>	string
<b>end_time</b> <i>optional</i>	string
<b>id</b> <i>optional</i>	string
<b>is_parent</b> <i>optional</i>	boolean
<b>local_end_time</b> <i>optional</i>	string
<b>local_start_time</b> <i>optional</i>	string
<b>name</b> <i>optional</i>	string
<b>num_children</b> <i>optional</i>	number
<b>num_completed</b> <i>optional</i>	string

Name	Schema
<b>output</b> <i>optional</i>	string
<b>parent_tskid</b> <i>optional</i>	string
<b>progress</b> <i>optional</i>	string
<b>source</b> <i>optional</i>	string
<b>source_id</b> <i>optional</i>	string
<b>source_type</b> <i>optional</i>	string
<b>start_time</b> <i>optional</i>	string
<b>state</b> <i>optional</i>	string
<b>target</b> <i>optional</i>	string
<b>target_id</b> <i>optional</i>	string
<b>target_type</b> <i>optional</i>	string
<b>user_name</b> <i>optional</i>	string

### 3.115.4. Consumes

- `application/json`

### 3.115.5. Produces

- `application/json`

### 3.115.6. Security

Type	Name
<b>apiKey</b>	<b>ApiKeyAuth</b>

## 4. Security

### 4.1. ApiKeyAuth

Type : apiKey

## 5. Object Access APIs

### 5.1. About the Object Access Server

Veritas Object Access provides an implementation of the simple object access service. This section explains the details of the RESTful APIs that are supported for the object access service. The supported APIs are compatible with Amazon S3 unless specified explicitly.

Amazon S3 supports a wide range of services and APIs. The Veritas Access object access server does not support all of Amazon's APIs. Any API that is not documented in this guide should be treated as a non-supported API. There can be exceptions or differences in API behavior. Any exceptions or differences is described in this section.

- User management
- Simple storage service protocol implementation for Amazon S3. The S3 service mandates signing of every request by using access and secret keys as specified by Amazon AWS.

You can use RESTful APIs or the user helper script to create the initial access and secret keys by using the object access user management APIs. After creating the initial AWS access and secret keys, you can use these keys for S3 service object access.

### 5.2. About the object access user management APIs

User authentication on the Veritas Access server is done using authentication services such as NIS, LDAP, and Active Directory(AD). For authentication to work correctly, the Veritas Access cluster must be configured with the correct authentication service and user password authentication needs to work. The user and identity management APIs depend on the correct working of the background authentication services.

All of the APIs must be called in HTTP POST requests. APIs are called by providing specific URI headers. The requests and responses are encoded in XML format.

#### 5.2.1. Common Error Response

In case of errors, the following XML response is returned to the REST client.

- Response content type is "application/xml"
- RequestID is a unique ID generated per request
- Response content type is XML with following format.

```
<?xml version="1.0" encoding="UTF-8"?>
<ErrorResponse xmlns="http://iam.amazonaws.com/doc/2010-05-08/">
  <Error>
    <Type>Sender</Type>
    <Code>AccessDenied</Code>
    <Message>Access Denied.</Message>
  </Error>
  <RequestId>8c94eebd-52c8-4a69-b96e-926af9f791a5</RequestId>
</ErrorResponse>
```

### 5.2.2. Create access and secret keys for a given user

Use this API to create access and secret keys for a given user. Users can create at a maximum two keys. The secret key created in this API never gets displayed again, so users need to note down the access and secret keys in a secure and accessible location.

#### Request Parameters

- HTTP URI Parameters - Parameter 'VRTSAction' Service request to execute, "CreateAccessKey". Parameter 'UserName' Valid username for authentication
- HTTP Header 'VRTSPassword'- Password for user. Password should be url percent encoded.

#### Example Request

```
http://admin.accessclus1:4567/?VRTSAction=CreateAccessKey
&UserName=user1
&Version=2010-05-08

VRTSPassword: urlencode(password)
```

#### Example Response

```
<?xml version="1.0" encoding="UTF-8"?>
<CreateAccessKeyResponse xmlns="http://iam.amazonaws.com/doc/2010-05-08/">
  <CreateAccessKeyResult>
    <AccessKey>
      <UserName>user1</UserName>
      <AccessKeyId>YTEzYjdhZGZkMzcwMmE</AccessKeyId>
      <Status>Active</Status>
      <SecretAccessKey>ZGJjYWJjNTZkOWRjYTkwODU4OWMyM2Y5YjI1ODE</SecretAccessKey>
    </AccessKey>
  </CreateAccessKeyResult>
  <ResponseMetadata>
    <RequestId>e101ac91-8a0b-4251-afa2-a6ee0411c59b</RequestId>
  </ResponseMetadata>
</CreateAccessKeyResponse>
```



## Possible Error Response

- **Success HTTP** status code 200.
- **AccessDenied** Request was rejected because user authentication failed. HTTP status code 403.
- **NoSuchEntity** Request was rejected because referenced entity does not exists. HTTP status code 404.
- **InternalError** Request failed because of an internal server error. HTTP status code 500.
- **LimitExceeded** The request was rejected because it attempted to create/delete resources beyond the current account limits. HTTP status code 409.

### 5.2.3. Delete access and secret key for User

Delete access key. Users must provide a valid access key, username, and password. Use this API to delete the access key. Users must provide a valid access key, username, and password.

#### Request Parameters

- HTTP URI Parameters - Parameter 'VRTSAction' Service request to execute, "DeleteAccessKey" Parameter 'UserName' Valid username for authentication Parameter 'AccessKeyId' Access key ID to delete.
- HTTP Header 'VRTSPassword'- Password for user. Password should be url percent encoded.

#### Example Request

```
http://admin.accessclus1:4567/?VRTSAction=DeleteAccessKey
&UserName=user1
&Version=2010-05-08
&AccessKeyId=ZjhmZjM4ODEwN2ZhZGQ

VRTSPassword: urlencode(password)
```

#### Example Response

```
<DeleteAccessKeyResponse xmlns="https://iam.amazonaws.com/doc/2010-05-08/">
  <ResponseMetadata>
    <RequestId>7a62c49f-347e-4fc4-9331-6e8eEXAMPLE</RequestId>
  </ResponseMetadata>
</DeleteAccessKeyResponse>
```

## Possible Error Response

- **Success HTTP** status code 200.
- **AccessDenied** Request was rejected because user authentication failed. HTTP status code 403.
- **NoSuchEntity** Request was rejected because referenced entity does not exists. HTTP status code 404.

- **InternalServerError** Request failed because of an internal server error. HTTP status code 500.

### 5.2.4. List access keys for user

Use this API to list access keys created by the user. Users must provide a valid username and password.

#### Request Parameters

- HTTP URI Parameters - Parameter 'VRTSAction' Service request to execute "ListAccessKeys"  
Parameter 'UserName' Valid username for authentication
- HTTP Header parameter 'VRTSPassword': Password for user. Password should be url percent encoded.

#### Example Request

```
http://admin.accessclus1:4567/?VRTSAction=ListAccessKeys
&UserName=user1
&Version=2010-05-08

VRTSPassword: urlencode(password)
```

#### Example Response

```
<?xml version="1.0" encoding="UTF-8"?>
<ListAccessKeysResponse xmlns="http://iam.amazonaws.com/doc/2010-05-08/">
  <ListAccessKeysResult>
    <UserName>support</UserName>
    <AccessKeyMetadata>
      <member>
        <UserName>support</UserName>
        <AccessKeyId>YTEzYjdhZGZkMzcwMmE</AccessKeyId>
        <Status>Active</Status>
      </member>
      <member>
        <UserName>support</UserName>
        <AccessKeyId>YWU4NGRiYzRjNjQ5NGZ</AccessKeyId>
        <Status>Active</Status>
      </member>
    </AccessKeyMetadata>
    <IsTruncated>>false</IsTruncated>
  </ListAccessKeysResult>
  <ResponseMetadata>
    <RequestId>c9639b1c-eeda-11e6-8a40-0026b97fab39</RequestId>
  </ResponseMetadata>
</ListAccessKeysResponse>
```

## Possible Error response

- **Success** HTTP status code 200.
- **AccessDenied** Request was rejected because user authentication failed. HTTP status code 403.
- **NoSuchEntity** Request was rejected because referenced entity does not exists. In this case there are no access keys created for given user. HTTP status code 404.
- **InternalError** Request failed because of an internal server error. HTTP status code 500.

## 5.3. Object Access simple storage service (S3) APIs

### 5.3.1. Common Error Response

In case of error following xml response is returned to REST client.

- Response content type will be "application/xml"
- RequestId is unique id generated per request
- Response content will be xml of following format.

```
<?xml version="1.0" encoding="UTF-8"?>
<ErrorResponse xmlns="http://iam.amazonaws.com/doc/2010-05-08/">
  <Error>
    <Type>Sender</Type>
    <Code>AccessDenied</Code>
    <Resource>/bucket1/file.txt</Resource>
    <Message>Access Denied.</Message>
  </Error>
  <RequestId>8c94eebd-52c8-4a69-b96e-926af9f791a5</RequestId>
</ErrorResponse>
```

### 5.3.2. Operations on Service

#### GET service

**Description** - The GET service returns list of all buckets owned by authenticated sender. The implementation of this API is fully complaint with Amazon's GET service API.

### 5.3.3. Operations on Buckets

The following operations can be performed on the buckets:

#### Delete Bucket

**Description** - The DELETE Bucket API deletes the bucket. All objects in the bucket must be deleted before the bucket itself can be deleted.

**Security Considerations** - Only the bucket owner is allowed to perform DELETE operation.

## GET Bucket (List Objects) Version 1

**Description** - The GET bucket API returns a list of all the objects in a bucket. You can use the request parameters as selection criteria to return a subset of the objects in a bucket. A 200 OK response can contain valid or invalid XML. Make sure to design your application to parse the contents of the response and handle it appropriately.

**Differences with respect to Amazon's API** - This API is not fully complaint with Amazon's List Objects API. The following is the list of differences with respect to the API response.

- *Request Parameters, delimiter* : Veritas Access supports only "/" string as delimiter. For any other String Object Access server will return S3\_InvalidArgument with HTTP\_BAD\_REQUEST error code.
- *Request Parameters, marker* : Veritas Access expects marker which was returned by server in last request. Using object key as marker is not supported. The value of "NextMarker" of response should be used in request as marker.
- *Response*: The Keys in response will not be in lexicographical order. Application should not assume lexicographical order of response keys.

**Security Considerations** - Caller must have read permissions on the bucket for the GET Bucket API.

## GET Bucket ACL

**Description** - The Get Bucket ACL API returns the access control list of the bucket.

**Request Headers** - This API uses only request headers which are common to APIs.

**Security Considerations** - For the Get Bucket ACL to succeed, the caller should have READ ACP permission on the bucket. For more information on ACL, refer to [ACL](#).

## GET Bucket Location

**Description** - The GET Bucket Location API returns the bucket's region using LocationConstraint of that object.

**Differences with respect to Amazon's API** - This API is not fully complaint with Amazon's Get Bucket Location API. The following is the list of differences with respect to the API response.

- *Response*: Veritas Object Access server returns an empty string as the location constraint. This empty string represents US East as the location as per the AWS guide.

**Security Considerations** - Caller must have read permissions on the bucket for the Get Bucket Location API.

## Head Bucket

**Description** - The Head Bucket API is useful to determine if a bucket exists or not. The operation returns a 200 OK if the bucket exists and the user have permissions to access it. Otherwise, the operation may return responses such as "404 Not Found" and "403 Forbidden".

**Security Considerations** - Caller must have read permissions on the bucket for the Head Bucket API.

## Put Bucket

**Description** - The Put Bucket API creates a new bucket. You are not permitted to create buckets using anonymous requests. You become the bucket owner when you create a bucket. The bucket name should comply with DNS-naming conventions.

### Supported Request Headers

- x-amz-acl
- x-amz-grant-read
- x-amz-grant-write
- x-amz-grant-read-acp
- x-amz-grant-write-acp
- x-amz-grant-full-control

You can set the Canned ACL, grant list, or the detailed ACL using this request header. For more information on ACL, refer to [ACL](#).

**Differences with respect to Amazon's API** - This API is not fully complaint with Amazon's Put Bucket API. The following request elements are ignored by the server.

- CreateBucketConfiguration
- LocationConstraint

**Security Considerations** - Only a caller with a valid access and secret key can create a bucket on the server.

## Put Bucket ACL

**Description** - Put Bucket ACL sets permission on the existing bucket by using an access control list. You can use one of two ways to set the bucket permission:

1. Specify the ACL in the request body.
2. Specify the permission using request headers. If you specify ACL in the request headers, you must use either a canned ACL or the list of x-amz-grant-<read|write|read-acp|write-acp|full-control>. You cannot use both in the same request. For more information on ACL, refer to [ACL](#).

### Supported Request Headers -

- x-amz-acl
- x-amz-grant-read
- x-amz-grant-write
- x-amz-grant-read-acp

- x-amz-grant-write-acp
- x-amz-grant-full-control

**Non-Supported Request Headers/features** - Veritas Access server does not support an email address in the Grantee field.

**Differences with respect to Amazon's API -**

- While specifying 'CanonicalUser', the user name of grantee and UID of user id needs to be specified.
- The 'DisplayName' should be the username of the grantee which should resolve to user id in server's authentication method (passwd/NIS/LDAP/AD).

**Security Considerations** - Caller should have write-acp permission for the Put Bucket ACL API.

### 5.3.4. Operations on Objects

#### Delete Object

**Description** - The Delete Object API deletes the specified object in the bucket.

**Differences with respect to Amazon's API** - Veritas Access does not support Object versioning. So, version based object deletion is not supported and will be ignored.

- x-amz-mfa is ignored by the Veritas Delete Object API.

**Security Considerations** - Caller should have write permissions on the bucket to delete an object.

#### Get Object

**Description** - The Get Object API retrieves objects from an Access S3 bucket.

**Differences with respect to Amazon's API -**

- Range is supported by Veritas Get Object API
- The following parameters are not supported by Veritas Get Object API:
  - If-Modified-Since
  - If-Unmodified-Since
  - If-Match
  - If-None-Match
  - Server-Side encryption

**Security Considerations** - Caller should have read permissions on the object for the Get object API.

#### Head Object

**Description** - The Head Object API retrieves metadata from an object without returning the object itself. This operation is used when you are only interested in an object's metadata.

**Differences with respect to Amazon's API** - The Veritas Head Object API is not fully compliant with Amazon's Head Object API. The following request parameters are not supported:

- Range
- If-Modified-Since
- If-Unmodified-Since
- If-Match
- If-None-Match
- Server-Side encryption

**Security Considerations** - Caller should have read permission on object for head object API.

## Put Object

**Description** - The Put Object API adds an object to a bucket.

**Supported Request Headers** - Server will take appropriate action for the following request headers.

- Content-Length
- Content-MD5
- Content-Type
- Expect
- x-amz-meta
- x-amz-acl
- x-amz-grant-read
- x-amz-grant-write
- x-amz-grant-read-acp
- x-amz-grant-write-acp
- x-amz-grant-full-control For details on ACL please see [ACL](#)

**Non-Supported Request Headers** - Following request headers are ignored by server.

- Cache-Control
- Content-Disposition
- Content-Encoding
- Expires
- x-amz-website-redirect-location
- Server side encryption headers

**Differences with respect to Amazon's API** - The object created via this method will be visible to all clients immediately after the completion for the PUT operation. The server works on the

following consistency guarantees: -

- For (any number of) an ongoing download, if the PUT on the same object completes successfully, the ongoing request will get data plus the metadata of old object only.
- Any new GET object request after a successful PUT operation will get the latest object.
- Requests made from different nodes of cluster will not change the above semantics.

### **Initiate Multipart upload**

**Description** - The Initiate Multipart Upload API initiates a multipart upload and returns an upload ID. This upload ID is used to associate all of the parts in the specific multipart upload.

**Non-Supported Request Headers** - Following request headers are not supported for initiate multipart.

- Expires
- x-amz-storage-class
- x-amz-website-redirect-location
- Server side encryption headers

### **Complete Multipart upload**

**Description** - The Complete Multipart Upload API completes a multipart upload by assembling previously uploaded parts. This API is compliant with the Amazon's API with respect to request parameters.

**Differences with respect to Amazon's API** - We differ from Amazon in part numbers. The part numbers have to be compulsorily in the increments of 1. For example, the sequence (1, 3, 5, 7) will not work with the Veritas Object Access complete multipart API.

### **Upload part**

**Description** - The Upload Part API uploads a part in a multipart upload.

**Non-Supported Request Headers** - Following request headers are not supported for upload part.

- Expect
- Server side encryption headers

## **5.3.5. Access Control Lists (ACL) in Veritas Object Access server**

The access control list enables users to manage and share buckets or objects in the Veritas Object Access server. Every bucket and Object has an associated ACL. This ACL defines which user/group will get what type of access for given resources.

### **What resource I can grant permissions**

- Bucket



- Objects in buckets

### What type of Permissions I can grant

- **Read:** This permission allows user to read content of resource.
- **Write:** This permission allows user to write new/delete existing content of resource.
- **Read ACP:** This permission allows user to read contents of ACL set on resource.
- **Write ACP:** This permission allows user to edit contents of ACL set on resource.
- **Full Control:** This permission allows users to perform all above operations.

### To whom I can grant permissions

- Users (By using Canonical user ID)
- Predefined Groups (By using group URI), Following predefined groups are supported:
  - Authenticated Users group - This group is represented by URI, <http://acs.amazonaws.com/groups/global/AuthenticatedUsers>. This group represents all users who are requesting a resource or action by using a valid access and secret key. The request must be authenticated or signed.
  - All Users group - This group is represented by URI, <http://acs.amazonaws.com/groups/global/AllUsers> All non-signed/authenticated requests are considered as an anonymous request. To get access for an anonymous request, the resource must have required permissions for AllUsers group. **Veritas Object Access server maps 'all user group' to user id 'nobody'.**
  - Log Delivery group - This group is represented by URI, <http://acs.amazonaws.com/groups/s3/LogDelivery> Permission set of this group will be ignored for now, Since Veritas Object Access server do not support bucket logging.

### How permissions work on bucket

- **Read:** This permission allows caller to list objects in bucket and Head bucket.
- **Write:** This permission allows caller create/delete objects in bucket.
- **Read-ACP:** This permission allows caller read bucket ACL by using Get Bucket ACL API.
- **Write-ACP:** This permission allows caller set new set of ACLs on bucket.
- **Full Control:** This permission allows caller to list object, list ACL, create/delete objects and set new ACLs on bucket.

### How permissions work on object

- **Read:** This permission allows caller to download (GET + HEAD) object.
- **Write:** This permission is ignored for object.
- **Read-ACP:** This permission allows caller read object ACL by using Get Object ACL API.
- **Write-ACP:** This permission allows caller set new set of ACLs on object.
- **Full Control:** This permission allows caller to GET/HEAD object, list ACL and set new ACLs on object.

## How to set permissions on resources

There are 3 ways to set permissions on resource. You can use any of either three ways to set permission on new resource or existing resources. The resource can be object or it can be bucket.

- Setting ACL using request header x-amz-acl i.e. "Canned ACL"
- Setting ACL using Grant header
- Setting ACL using complete details in request body.

The section below explains each approach in more detail.

### Setting ACL using request header x-amz-acl i.e. "Canned ACL"

A user can set an ACL on a resource by using the request header x-amz-acl. This request header covers a set of permissions. The following are the list of the Canned ACLs supported by the Veritas Object Access Server. You can use this header in the create bucket/object call.

- private (Applies to: Bucket and Object) With this ACL, only the owner has full control. If there is no ACL set on the object or if the object is created by some other protocol, this default ACL will be set by the server.
- public-read (*Applies to: Bucket and Object*) The resource owner has full control and S3 All users group has read access.
- public-read-write (*Applies to: Bucket and Object*) The resource owner has full control and S3 All users group has read-write access. Setting this ACL on a bucket is not recommended.
- aws-exec-read: This ACL is not supported by the Veritas Object Access Server and will be ignored.
- authenticated-read (*Applies to: Bucket and Object*): The resource owner has full control and S3 AuthenticatedUsers group has read access.
- bucket-owner-read (*Applies to: Object*): The resource owner has full control and the bucket owner has read access.
- bucket-owner-full-control (*Applies to: Object*) The resource owner has full control and the bucket owner has full control.
- log-delivery-write: This ACL is not supported by the Veritas Object Access Server and will be ignored.

### Setting ACL using Grant headers

User can set ACL in PUT request by using the following grant headers. These headers are supported with PUT Object, create bucket API.

- x-amz-grant-read
- x-amz-grant-write
- x-amz-grant-read-acp
- x-amz-grant-write-acp
- x-amz-grant-full-control

Following are examples of grant header, x-amz-grant-write: uri="url",id="123"

The valid input for uri is, "http://acs.amazonaws.com/groups/global/AuthenticatedUsers",  
"http://acs.amazonaws.com/groups/global/AllUsers",  
"http://acs.amazonaws.com/groups/s3/LogDelivery"

The valid input for id is number which represents UID of grantee. The users email address is not supported with Grant headers.

### **Setting ACL using complete details in request body.**

The ACL can be set by sending data in request body itself. User can send correct xml in PutObjectACL and PutBucketACL request.

***Differences with respect to Amazon's API*** - The ID field of Grantee should be the UID of the user. The DisplayName name should be the user's login name. The email address in DisplayName is not supported.