



# **Storage services APIs**

## **Cloud Manager Automation**

NetApp

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# Storage services APIs

## Cloud Volumes ONTAP

### Overview of the Cloud Volumes ONTAP REST API

The NetApp Cloud Manager service includes a REST API, Cloud Volumes ONTAP API, you can use programmatically to administer your cloud-based resources. The Cloud Volumes ONTAP REST API provides access to a subset of the functionality available in the Cloud Manager platform with a focus on Cloud Volumes ONTAP deployments.

There are several benefits to using the Cloud Volumes ONTAP REST API.

#### Built on REST technology and design principles

The Cloud Volumes ONTAP API has been designed based on REST technology and current best practices. The core technologies include Hypertext Transfer Protocol (HTTP) and JavaScript Object Notation (JSON).

#### Anchors the Cloud Manager development platform

The Cloud Volumes ONTAP REST API provides the primary external interface to the Cloud Manager platform. There are additional REST APIs which support the various platform services.

#### Access to NetApp cloud token-based security

Cloud Manager authentication and authorization is based on the *OAuth2* standard. NetApp relies on the *Auth0* service implementation.

#### Alignment with the Cloud Manager web UI

The Cloud Manager web user interface uses the same core REST API and therefore there is consistency between the two access paths.

## Getting started

You can quickly get started using the Cloud Manager REST API by first preparing as described in [Before you begin](#). You'll also need a client identifier to test the curl sample in [Hello world](#). After that you can begin preparing to use the workflows and plan a deployment.

### Hello world

You can issue a curl command to get started using the Cloud Volumes ONTAP REST API and confirm its availability.



The example provided below is very simple. The workflow samples later in this guide use a more robust format. As a start, see [Understanding the workflow processes](#).

### Before you begin

You must do the following:

- Determine the identifier to use for the `x-agent-id` request header as well as the related client ID. See [Get the client and account identifiers](#).
- Acquire an access token for the Authorization request header. See [Create user token](#).

### Curl example

The following curl command retrieves information about the Cloud Manager server.

```
curl --location --request GET
'https://cloudmanager.cloud.netapp.com/occm/api/occm/system/about'
--header 'Content-Type: application/json' --header 'x-agent-id:
<AGENT_ID>' --header 'Authorization: Bearer <ACCESS_TOKEN>'
```

### Output example

Information about the system is provided in the following format.

```
{
  "version": "string",
  "build": "string",
  "buildTimestamp": "integer",
  "systemId": "string",
  "environment": "string",
  "siteIdentifier": {
    "company": "string",
    "host": "string",
    "site": "string"
  },
  "serverTimeZone": {
    "timeZoneName": "string",
    "formattedTimeZone": "string"
  },
  "beta": "boolean",
  "releaseNumber": "integer",
  "simplicatorUrl": "string",
  "migrationPerformed": "boolean",
  "demoMode": "boolean",
  "usingDockerInfra": "boolean",
  "privateIp": "string"
}
```

### Understanding the workflow processes

You should be familiar with the high-level organization and format of the Cloud Volumes ONTAP workflow processes before using them with a live cloud deployment.

## Introduction

A **workflow** is a sequence of one or more steps needed to accomplish a specific administrative task or goal. With the Cloud Volumes ONTAP workflows, each step can be one of the following:

- REST API call
- Invocation of another workflow
- Miscellaneous task such as deciding on the size of a new volume

The workflows provided include the minimum steps and parameters needed to accomplish each task. You can use these workflows as a starting point and customize them for your environment as needed.



All the workflow examples are designed to be used with NetApp Cloud Volumes ONTAP.

## High level organization of the workflows

At a high level, the workflows are organized based on three primary attributes. The organization is reflected in the navigation sidebar.

### 1. Cloud provider

Most of the workflows can be performed with one cloud provider. The supported cloud platforms include:

- Amazon Web Services
- Microsoft Azure
- Google Cloud Platform

### 2. Functional category

The workflows for each cloud provider (AWS, Azure, GCP) are placed in a specific functional category. The major categories as reflected in the navigation sidebar are presented below.



In addition to the workflows used with the specific cloud providers, there is also a set of common workflows that can be used with any cloud provider. See [Common workflows for all cloud providers](#) for more information about these workflows and how they are organized.

## Working environments

A working environment is the context within which a Cloud Volumes ONTAP instance is deployed and run. These workflows allow you to create working environments and perform related administrative tasks. You can perform specific workflows to create a working environment based on your preferred licensing model (PAYGO or BYOL), remove a working environment, and retrieve the details of a working environment. In addition, you can configure the CIFS server when creating a volume that uses the CIFS protocol as part of creating a working environment.

## Aggregates

An aggregate is the low-level structure for Cloud Volumes ONTAP storage. These workflows allow you to create aggregates and perform related administrative tasks.

## Volumes

You can expose the storage volumes for use by your applications. You can perform these workflows to create a volume (using NFS, CIFS, or iSCSI protocol) as well as delete, retrieve, and modify an existing volume based on your storage requirements.

## Metadata

The metadata workflows allow you to view and administer the basic configuration of your cloud environment.

## Miscellaneous

A workflow that is not assigned to an existing functional category is considered *Miscellaneous*. For example, there is a workflow to create a cloud provider account. The cloud provider account securely stores and manages your cloud provider credentials and establishes an identity for users (such as InstanceProfile with AWS and ManagedIdentity with Azure). This account provides fine-grained authorization of the services and resources based on multiple critical conditions.

## 3. Single node and High availability workflows

Many of the workflows vary based on the type of the deployment.

### Single node

The cluster consists of a single Cloud Volumes ONTAP instance or ONTAP node.

### HA pair

The cluster consists of two linked Cloud Volumes ONTAP instances which together provide the ONTAP high availability (HA) feature.



If both versions of a workflow exist for an administrative task, they are included on the same page.

## Base URLs and REST endpoint paths

The REST API calls in the workflows use different URLs and URL formats depending on the desired service and resource.



Every API call used in the workflows includes the resource path to the REST endpoint. The path is relative and appended to the appropriate **base** URL. Unless otherwise indicated for a specific API call, the base URL addresses the NetApp Cloud Manager service. You should always carefully review the curl examples provided in the workflows before using them.

## Cloud Manager endpoints

The majority of the workflow REST API calls are made to the **NetApp Cloud Manager** service. The base URL of the SaaS interface is:

<https://cloudmanager.netapp.com/>

## Auth0 authentication service

Some of the REST API calls used in the identity workflows are made to the **Auth0** token authentication service. The base URL is:

<https://netapp-cloud-account.auth0.com/>

## Common parameters and variables

There are several parameters or variables common among the workflows.

## Request headers

Nearly all the REST API calls used in the workflows require the following two request headers.



Rather than cite these headers as a prerequisite in every REST API call, they are considered a universal requirement. If a workflow does not use these headers or has different prerequisites, the section **Before you begin** is included at the top of the workflow and describes the prerequisites.

### Authorization request header

To get a bearer token for this header, perform the appropriate workflow at [Create a user token](#) and extract the `access_token` value.

### x-agent-id request header

This header contains the agent ID which is based on the client ID. See [Get client and account identifiers](#) for information about creating this value.

### Presentation of common tokens and identifiers

Most of the variable tokens, identifiers, and other variables used in the sample REST API calls consist of long strings of letters, numbers, and special characters. They are considered *opaque* with no easily discernible content or meaning. Therefore, rather than including the actual original strings, smaller reserved keywords are used instead. This has several benefits:

- The curl and JSON samples are simpler and easier to understand.
- Because all keywords use the same format (including capital letters), you can quickly identify the content to insert or extract.
- No value is lost because the original values cannot be copied and used with an actual deployment.

A list of the keywords used in the workflow curl examples is presented in the table below.

Keyword	Description
<ACCESS_TOKEN>	An access token is a temporary string which establishes identity and access based on the OAuth2 standard.
<ID_TOKEN>	The ID token contains additional identity information for the user based on OpenID Connect (OIDC).
<CLIENT_ID>	This value uniquely identifies the user within a specific authorization domain.
<AGENT_ID>	The agent identifier is based on the client ID and is used to identify the user agent.
<ACCOUNT_ID>	This value identifies your NetApp account.
<NSS_KEY_ID>	This value identifies an entitlement key and is used by NetApp support.
<WORKING_ENV_ID>	This value identifies a working environment for the ONTAP runtime and so is synonymous with a Cloud Volumes ONTAP instance.
<SVM_NAME>	The name used for an ONTAP storage virtual machine.
<VOLUME_NAME>	The name used for an ONTAP storage volume.
<AGGR_NAME>	The aggregate name for a disk operation.

Keyword	Description
<REQUEST_ID>	This value is returned to the caller in the HTTP response and uniquely identifies the request.
<PROVIDER>	Abbreviation for the cloud provider.
<CLOUD_ACC_ID>	Account ID for the cloud provider.
<REFRESH_TOKEN>	NetApp refresh token used for federated authentication.

### JSON input for curl command

In many cases, a workflow step accepts JSON input in the request body of the REST API call. This input is indicated in the curl command through the `-d` option, with the corresponding sample included in the **JSON input example** section.

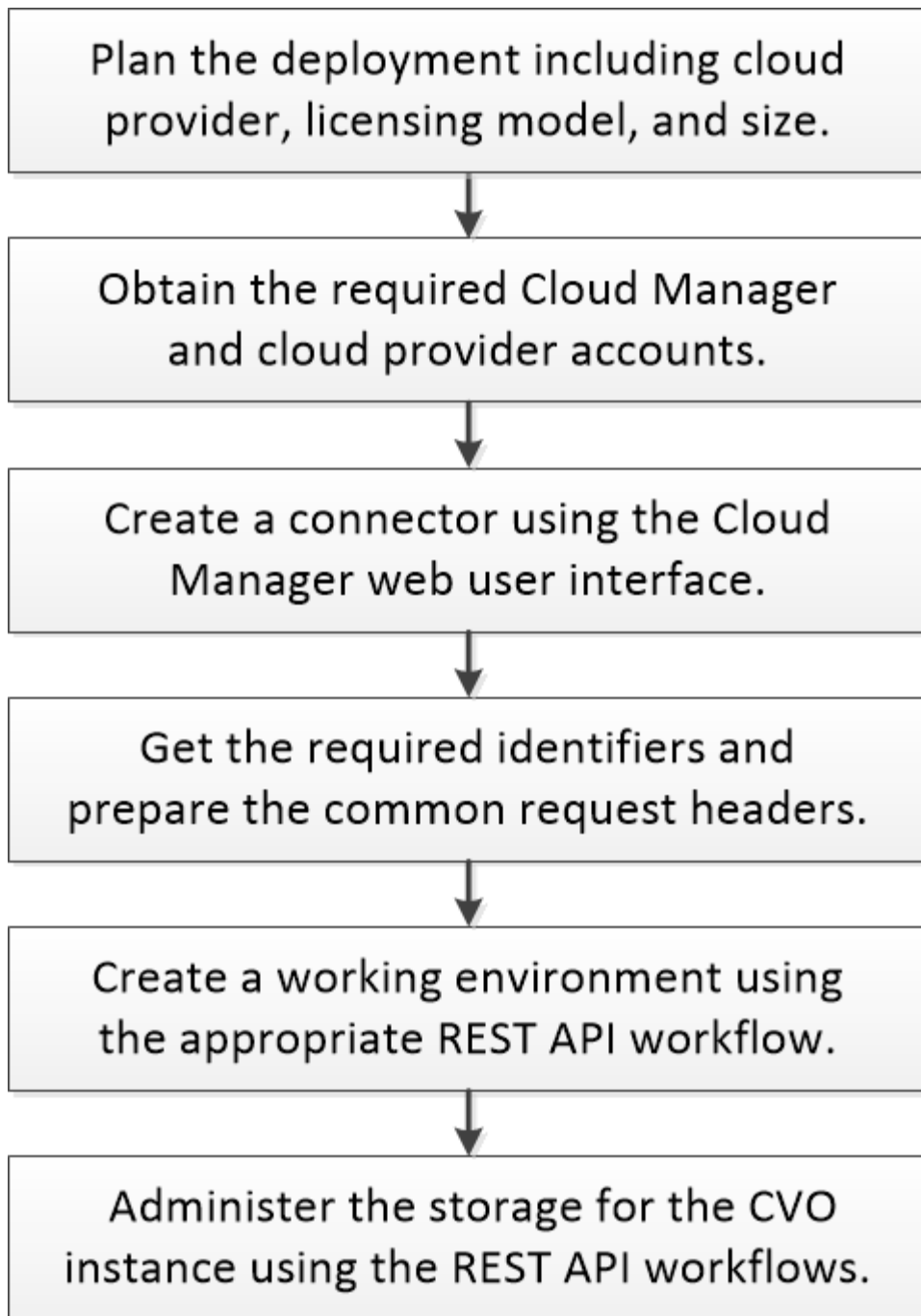
### Working environment status requirements

Many of the workflows require the working environment to have a specific status (such as `ON` or `DEGRADED`) before the REST API call can be performed. Review the [API reference content](#) for details about the requirements for each API call.

### Typical Cloud Volumes ONTAP deployment

A summary of the major steps needed to deploy and administer a Cloud Volumes ONTAP instance using the Cloud Manager REST API is presented below.





## REST implementation details

### HTTP methods

Method	Description
POST	Create an object instance
GET	Retrieve an object instance or collection
PATCH	Update an existing object
DELETE	Remove an existing object

## Request headers

Request Header	Description
Authorization	Contains the user JWT access token and is required
x-agent-id	Contains the Cloud Manager Connector ID and can be included depending on the call

## Query parameters

You can use query parameters with endpoints in the following component:

Component	Query Parameter
Resource	account (required) resourceType workspace resourceClass resourceId

## Response headers

This API uses the standard HTTP response headers common with all the Cloud Manager platform REST APIs. See [REST implementation](#) for more information.

## HTTP status codes

HTTP Status Code	Reason phrase	Description
200	OK	Returned for successful operation completion
400	Bad Request	Returned if the input is malformed and could not be parsed
401	Unauthorized	Returned if user authentication failed or the token has expired
403	Forbidden	Returned for authorization errors depending on the resource and token

## API reference

This section contains the details of the Cloud Volumes ONTAP REST API calls, including resources, endpoints, parameters, and status codes. You can refer to this content when developing applications that use the REST API.

## Resources

This section describes the API calls available for each resource.

## Accounts

**Creates an AWS account.**

```
POST /accounts/aws
```

#### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		true	<a href="#">AwsAccountRequest</a>	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AwsAccountResponse</a>

#### Consumes

- application/json

#### Produces

- application/json

**Retrieves an Nss account by public Id.**

```
GET /accounts/nss/{cloudProviderAccountId}
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	cloudProviderAccountId	Public Id of Nss account	true	string	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">NssAccountResponse</a>

#### Consumes

- application/json

#### Produces

- application/json

### Updates an existing Nss account.

```
PUT /accounts/nss/{cloudProviderAccountId}
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	cloudProviderAccountId	Public Id of Nss account	true	string	
BodyParameter	body		false	<a href="#">NssAccountRequest</a>	

#### Responses

HTTP Code	Description	Schema
200	success	<a href="#">NssAccountResponse</a>
404	Nss Account with the given account id does not exist	No Content

#### Consumes

- application/json

#### Produces

- application/json

### get aws cloud account id for the given creds.

```
POST /accounts/aws/validate-creds
```

#### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		true	<a href="#">AwsAccountRequest</a>	

#### Responses

HTTP Code	Description	Schema
default	success	string

### Consumes

- application/json

### Produces

- application/json

Retrieves all accounts that are only for cloud (AWS, AZURE, GCP).

```
GET /accounts/cloud-providers
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	providerType		false	enum (AWS, AZURE, GCP)	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">CloudProviderAccountResponse</a>

### Consumes

- application/json

### Produces

- application/json

Deletes an existing account. It is not possible to delete an account that has working environments attached to it.

```
DELETE /accounts/{cloudProviderAccountId}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	cloudProviderAccountId	Public Id of the account to be deleted	true	string	

### Responses

HTTP Code	Description	Schema
404	Account with the given account id does not exist	No Content

#### Consumes

- application/json

#### Produces

- application/json

#### Retrieves accounts.

```
GET /accounts
```

#### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	providerType		false	enum (AWS, AZURE, GCP, NSS)	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">CloudProviderAccountResponse</a>

#### Consumes

- application/json

#### Produces

- application/json

#### Retrieve Gcp Storage account by public Id.

```
GET /accounts/gcp/{cloudProviderAccountId}
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	cloudProviderAccountId	Public Id of Gcp Storage account	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpAccountResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Updates an existing Gcp storage account.**

```
PUT /accounts/gcp/{cloudProviderAccountId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	cloudProviderAccountId	Public Id of Gcp storage account	true	string	
BodyParameter	body		false	<a href="#">GcpStorageAccountRequest</a>	

## Responses

HTTP Code	Description	Schema
200	success	<a href="#">GcpAccountResponse</a>
404	Gcp Storage Account with the given account does not exist	No Content

## Consumes

- application/json

## Produces

- application/json

**Retrieves an AWS account by public Id.**

```
GET /accounts/aws/{cloudProviderAccountId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	cloudProviderAccountId	Public Id of AWS account	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AwsAccountResponse</a>

## Consumes

- application/json

## Produces

- application/json

Updates an existing AWS account.

```
PUT /accounts/aws/{cloudProviderAccountId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	cloudProviderAccountId	Public Id of AWS account	true	string	
BodyParameter	body		false	<a href="#">AwsAccountRequest</a>	

## Responses

HTTP Code	Description	Schema
200	success	<a href="#">AwsAccountResponse</a>
404	AWS Account with the given account id does not exist	No Content

## Consumes

- application/json

## Produces

- application/json



**Retrieves an Azure account by public Id.**

```
GET /accounts/azure/{cloudProviderAccountId}
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	cloudProviderAccountId	Public Id of Azure account	true	string	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureAccountResponse</a>

#### Consumes

- application/json

#### Produces

- application/json

**Updates an existing Azure account.**

```
PUT /accounts/azure/{cloudProviderAccountId}
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	cloudProviderAccountId	Public Id of Azure account	true	string	
BodyParameter	body		false	<a href="#">AzureAccountRequest</a>	

#### Responses

HTTP Code	Description	Schema
200	success	<a href="#">AzureAccountResponse</a>
404	Azure Account with the given account id does not exist	No Content

### Consumes

- application/json

### Produces

- application/json

**Create a Gcp Storage account.**

```
POST /accounts/gcp
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		true	<a href="#">GcpStorageAccountRequest</a>	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpAccountResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Creates an Azure account.**

```
POST /accounts/azure
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		true	<a href="#">AzureAccountRequest</a>	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureAccountResponse</a>

### Consumes

- application/json

### Produces

- application/json

### Validate an Azure account request.

```
POST /accounts/azure/validate-creds
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		true	<a href="#">AzureAccountRequest</a>	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AssociatedSubscription</a> array

### Consumes

- application/json

### Produces

- application/json

### Creates a Nss account.

```
POST /accounts/nss
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		true	<a href="#">NssAccountRequest</a>	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">NssAccountResponse</a>

### Consumes

- application/json

### Produces

- application/json

**validate gcp account request.**

```
POST /accounts/gcp/validate-creds
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		true	<a href="#">GcpStorageAccountRequest</a>	

### Responses

HTTP Code	Description	Schema
default	success	string

### Consumes

- application/json

### Produces

- application/json

**Updates vsa list of an existing Nss account.**

```
PUT /accounts/nss/set-vsa-list/{cloudProviderAccountId}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	cloudProviderAccountId	Public Id of Nss account	true	string	
BodyParameter	body		false	<a href="#">NssAccountVsaListRequest</a>	

### Responses

HTTP Code	Description	Schema
200	success	<a href="#">NssAccountResponse</a>
404	Nss Account with the given account id does not exist	No Content

### Consumes

- application/json

### Produces

- application/json

### Audit

Retrieves the audit group entry for the specific request ID.

```
GET /audit/{requestId}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	requestId	Retrieve audit group entries for this request ID	true	string	
QueryParameter	records	with records	false	boolean	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AuditGroupSummary</a> array

### Consumes

- application/json

### Produces

- application/json

Retrieves timeline filter options for local UI.

```
GET /audit/local/audit/{accountId}/options
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CloudCentralAuditOptionsResponse</a>

## Consumes

- application/json

## Produces

- application/json

Retrieves audit record for given request id for local UI.

```
GET /audit/local/audit/{accountId}/{service}/{requestId}/records
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	requestId	request ID	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CloudCentralAuditRecordResponse</a> array

## Consumes

- application/json

## Produces

- application/json

Retrieve active task for this request ID.

```
GET /audit/activeTask/{requestId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	requestId	request ID	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">TaskCacheEntry</a>

## Consumes

- application/json

## Produces

- application/json

Retrieves audit group entries optionally filtered by query parameters for local UI.

```
GET /audit/local/audit/{accountId}
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CloudCentralAuditGroupResponse</a> array

## Consumes

- application/json

## Produces

- application/json

Retrieves audit group entries optionally filtered by query parameters.

```
GET /audit
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	limit	Limit entries to specific amount	false	integer (int32)	
QueryParameter	after	Filter entries after specific date	false	integer (int64)	

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Filter entries by working environment public ID	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AuditGroupSummary</a> array

## Consumes

- application/json

## Produces

- application/json

Retrieves audit groups and group records optionally filtered by query parameters.

```
GET /audit/auditserver
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AuditGroupSummary</a> array

## Consumes

- application/json

## Produces

- application/json

## Aws-ha:aggregates

Creates a new aggregate

```
POST /aws/ha/aggregates
```

## Parameters



Type	Name	Description	Required	Schema	Default
BodyParameter	body	Create Aggregate Request	true	<a href="#">VsaAggregateCreateRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Retrieves aggregates

```
GET /aws/ha/aggregates
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Public Id of working environment	false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AggregateResponse</a> array

### Consumes

- application/json

### Produces

- application/json

### Adds disks to an existing aggregate

```
POST /aws/ha/aggregates/{workingEnvironmentId}/{aggregateName}/disks
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	aggregateName	Name of aggregate to be updated	true	string	
BodyParameter	body	Add disk to aggregate request	true	<a href="#">AddDisksToAggregateRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Deletes an existing aggregate

```
DELETE /aws/ha/aggregates/{workingEnvironmentId}/{aggregateName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	aggregateName	Name of aggregate to be deleted	true	string	

### Consumes

- application/json

### Produces

- application/json

### Aws-ha:discovery

Retrieves a list of discovered working environments visible to the current user in the specified AWS region.

```
GET /aws/ha/discovery/discover
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region	Region to discover working environments	true	string	
QueryParameter	cloudProviderAccountId		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">DiscoveredAwsHaResponse</a> array

### Consumes

- application/json

### Produces

- application/json

**Saves a previously discovered Cloud Volumes ONTAP working environment to the Cloud Manager database.**

```
POST /aws/ha/discovery/recover
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Working environment	true	<a href="#">RecoverVsaRequest</a>	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaWorkingEnvironmentResponse</a>

### Consumes

- application/json

## Produces

- application/json

## Aws-ha:encryption

### Updates the key manager CA certificate on the Cloud Volumes ONTAP system

```
POST /aws/ha/encryption/{workingEnvironmentId}/update-key-manager-ca-certificate
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Update Cloud Volumes ONTAP key manager CA certificate request parameters	true	<a href="#">UpdateKeyManagerCaCertificateRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CertificateResponse</a>

## Consumes

- application/json

## Produces

- application/json

### Updates the client certificate on the Cloud Volumes ONTAP system

```
POST /aws/ha/encryption/{workingEnvironmentId}/update-client-certificate
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CertificateResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Adds a key manager to the Cloud Volumes ONTAP system

```
POST /aws/ha/encryption/{workingEnvironmentId}/key-managers/{keyManagerIp}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	keyManagerIp	Key manager IP address	true	string	

## Consumes

- application/json

## Produces

- application/json

## Deletes a key manager from the Cloud Volumes ONTAP system

```
DELETE /aws/ha/encryption/{workingEnvironmentId}/key-managers/{keyManagerIp}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	keyManagerIp	Key manager IP address	true	string	

## Consumes

- application/json

## Produces

- application/json

## Aws-ha:metadata

## Retrieves VPCs

```
GET /aws/ha/metadata/vpcs
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	roleArn		false	string	
QueryParameter	cloudProviderAccount		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VpcExtendedResponse</a> array

## Consumes

- application/json

## Produces

- application/json

**Retrieves the minimum number of required IPs for a single Cloud Volumes ONTAP system, an HA node, and HA mediator**

```
GET /aws/ha/metadata/network-requirements
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">NetworkRequirementsResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieves AWS user Key Pairs for all regions**

```
GET /aws/ha/metadata/key-pairs-by-region
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	roleArn		false	string	
QueryParameter	cloudProviderAccountid		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">KeyPairsByRegionResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieves AWS user Key Pairs for specific region**

```
GET /aws/ha/metadata/key-pairs
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	roleArn		false	string	
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	string array

## Consumes

- application/json

## Produces

- application/json

## Retrieves all the Tag names

```
GET /aws/ha/metadata/tag-keys
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	roleArn		false	string	
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">TagKeyResponse</a> array

## Consumes

- application/json

## Produces

- application/json



## Retrieves supported capacity tiers for EBS volume types

```
GET /aws/ha/metadata/supported-capacity-tiers
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	ontapVersion		true	string	
QueryParameter	dataEncryptionType		true	string	
QueryParameter	licenseType		true	string	
QueryParameter	instanceType		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportedCapacityTiers</a>

### Consumes

- application/json

### Produces

- application/json

## Retrieves packages configuration

```
GET /aws/ha/metadata/packages
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">PackageInfoResponse</a> array

### Consumes

- application/json

### Produces

- application/json

### Retrieves default snapshot policies available on a cluster

```
GET /aws/ha/metadata/default-snapshot-policies
```

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SnapshotPolicy</a> array

#### Consumes

- application/json

#### Produces

- application/json

Retrieves all Cloud Manager manifests. Refer to the API Developers Guide in order to understand how to extract valid region codes, license types, instance types and Cloud Volumes ONTAP version parameters for the creation of a Cloud Volumes ONTAP working environment.

```
GET /aws/ha/metadata/manifests
```

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">MetadataResponse</a>

#### Consumes

- application/json

#### Produces

- application/json

### Retrieves AWS encryption keys for specific region

```
GET /aws/ha/metadata/aws-encryption-keys
```

#### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	roleArn		false	string	

Type	Name	Description	Required	Schema	Default
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AwsEncryptionKey</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieve all S3 buckets

```
GET /aws/ha/metadata/buckets
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	tagsRequired		false	boolean	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">S3BucketInfo</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieves all Cloud Volumes ONTAP configurations.

```
GET /aws/ha/metadata/permutations
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region	Filter by region	false	string	
QueryParameter	version	Filter by version	false	string	
QueryParameter	license	Filter by license	false	string	
QueryParameter	instance_type	Filter by instance type	false	string	
QueryParameter	default_instance_type	Filter by default instance type	false	string	
QueryParameter	feature	Filter by feature	false	string	
QueryParameter	latest_only	Filter latest only	false	string	
QueryParameter	ami	Filter by ami id	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">Configuration</a> array

## Consumes

- application/json

## Produces

- application/json

**Retrieves route tables per vpc and their subnet associations.**

```
GET /aws/ha/metadata/route-tables
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	vpclId		true	string	
QueryParameter	roleArn		false	string	
QueryParameter	cloudProviderAccountid		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">RouteTableResponse</a> array

#### Consumes

- application/json

#### Produces

- application/json

#### Create new S3 bucket

```
POST /aws/ha/metadata/create-bucket
```

#### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	bucketName		true	string	

#### Consumes

- application/json

#### Produces

- application/json

#### Retrieve all S3 buckets with additional info

```
GET /aws/ha/metadata/get-buckets-details
```

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">S3BucketsSummary</a>

#### Consumes

- application/json

#### Produces

- application/json

## Retrieves AWS instance profiles

```
GET /aws/ha/metadata/instance-profiles
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	roleArn		false	string	
QueryParameter	cloudProviderAccountId		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">InstanceProfileResponse</a> array

### Consumes

- application/json

### Produces

- application/json

## Retrieves instance types not supporting acceleration and capacity tiering

```
GET /aws/ha/metadata/instance-types-not-supporting-acceleration-and-capacity-tiering
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">InstanceTypesNotSupportingAccelerationAndCapacityTieringResponse</a>

### Consumes

- application/json

### Produces

- application/json

## Retrieves supported features

```
GET /aws/ha/metadata/supported-features
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	ontapVersion		true	string	
QueryParameter	dataEncryptionType		true	string	
QueryParameter	licenseType		true	string	
QueryParameter	instanceType		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportedFeaturesResponse</a>

### Consumes

- application/json

### Produces

- application/json

### Retrieves supported EBS volume types

```
GET /aws/ha/metadata/ebs-volume-types
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">EbsVolumeType</a> array

### Consumes

- application/json

### Produces

- application/json

## Retrieves AWS regions over which an Cloud Volumes ONTAP working environment may be created

```
GET /aws/ha/metadata/regions
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">Region</a> array

### Consumes

- application/json

### Produces

- application/json

## Retrieve S3 buckets policy status and tiering level

```
POST /aws/ha/metadata/get-buckets-application-info
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Request for retrieving Buckets Additional info	true	<a href="#">BucketsPolicyAndTieringInfoRequest</a>	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">BucketAdditionalData</a> array

### Consumes

- application/json

### Produces

- application/json

## Validate HA floating IPs.

```
POST /aws/ha/metadata/validate-floating-ips
```



## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Validate HA floating IPs request	true	<a href="#">AwsHaFloatingIpValidationData</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AwsHaFloatingIpValidationResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Validates the current user is subscribed to Cloud Volumes ONTAP product in Amazon marketplace**

```
POST /aws/ha/metadata/validate-subscribed-to-ontap-cloud
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Validate subscribed to Cloud Volumes ONTAP request	true	<a href="#">AwsValidateSubscribedToOntapCloudRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AwsValidateSubscribedToOntapCloudResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Retrieve S3 buckets summary

```
GET /aws/ha/metadata/s3-summary
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">S3Summary</a>

### Consumes

- application/json

### Produces

- application/json

### Aws-ha:volumes

**Retrieves volumes for Backup Activation.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
GET /aws/ha/volumes/volumes-for-backup
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Filter volumes by this working environment	true	string	
QueryParameter	offset	offset	false	integer (int32)	
QueryParameter	limit	limit	false	integer (int32)	
QueryParameter	search	search	false	string	
QueryParameter	filterBy	filterBy should be of the form field:value. For multiple filters use comma separator.	false	ref	

Type	Name	Description	Required	Schema	Default
QueryParameter	sortBy	sortBy should be of the form field:Asc or field:Desc. For multiple sorting use comma separator.	false	ref	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VolumesListForBackup</a>

## Consumes

- application/json

## Produces

- application/json

**Change underlying volume tier.**Operation may only be performed on working environments whose status is: **ON, DEGRADED**

```
POST /aws/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/change-tier
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">ChangeVolumeTierRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Create snapshot manually.**Operation may only be performed on working environments whose status is: **ON, DEGRADED**

```
POST
/aws/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshot
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body	Create snapshot request	true	<a href="#">SnapshotCreate Request</a>	

### Consumes

- application/json

### Produces

- application/json

**Delete snapshot manually.**Operation may only be performed on working environments whose status is: **ON, DEGRADED**

```
DELETE
/aws/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshot
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body	Create snapshot request	true	<a href="#">SnapshotDelete Request</a>	

### Consumes

- application/json

## Produces

- application/json

Return a list of snapshot descriptions for the volume. Operation may only be performed on working environments whose status is: ON, DEGRADED

```
GET
/aws/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshots
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SnapshotResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Add ISCSI initiator.

```
POST /aws/ha/volumes/initiator
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	ISCSI initiator request	true	<a href="#">Initiator</a>	

## Consumes

- application/json

## Produces

- application/json

## Get all iSCSI initiators.

```
GET /aws/ha/volumes/initiator
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">InitiatorEntry</a> array

## Consumes

- application/json

## Produces

- application/json

Creates a new volume. If the properties `aggregateName` and `maxNumOfDisksApprovedToAdd` are not filled in, then the response will fail with a suggested aggregate name and the number of disks that will need to be created in order to fulfill the request. Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST /aws/ha/volumes
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	<code>createAggregateIfNotFound</code>	On create volume request, allow creating not-found aggregate	false	boolean	
BodyParameter	<code>body</code>	Create volume request	true	<a href="#">VsaVolumeCreateRequest</a>	

## Consumes

- application/json

## Produces

- application/json

Retrieves volumes.Operation may only be performed on working environments whose status is: ON, DEGRADED

```
GET /aws/ha/volumes
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Filter volumes by this working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VolumeResponse</a> array

### Consumes

- application/json

### Produces

- application/json

### Get all igroups.

```
GET /aws/ha/volumes/igroups/{workingEnvironmentId}/{svmName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">IGroup</a> array

### Consumes

- application/json

## Produces

- application/json

**Move an existing volume.** Operation may only be performed on working environments whose status is: **ON, DEGRADED**

```
POST /aws/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/move
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">VolumeMoveRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Quotes a new volume.** Returns a resource quote needed to satisfy the requested volume. Operation may only be performed on working environments whose status is: **ON, DEGRADED**

```
POST /aws/ha/volumes/quote
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Quote volume request	true	<a href="#">VsaVolumeQuoteRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaVolumeQuoteResponse</a>



### Consumes

- application/json

### Produces

- application/json

**Clones an existing volume.** Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST /aws/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/clone
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">VolumeCloneRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Modify an existing volume.** Operation may only be performed on working environments whose status is: ON, DEGRADED

```
PUT /aws/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	ref	
BodyParameter	body	Modify volume request	true	<a href="#">VolumeModifyRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Deletes an existing volume.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
DELETE /aws/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	

### Consumes

- application/json

### Produces

- application/json

### Aws-ha:working-environments

#### Register extra capacity license

```
POST /aws/ha/working-environments/{workingEnvironmentId}/extra-capacity-  
licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity licenses(s)	true	<a href="#">LicensesContent</a>	

### Consumes

- application/json

### Produces

- application/json

### Get extra capacity licenses for cvo

```
GET /aws/ha/working-environments/{workingEnvironmentId}/extra-capacity-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Consumes

- application/json

### Produces

- application/json

### Update extra capacity license

```
PUT /aws/ha/working-environments/{workingEnvironmentId}/extra-capacity-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity license(s)	true	<a href="#">LicensesContent</a>	

### Consumes

- application/json

## Produces

- application/json

## Uploads a Cloud license file content on the provided Cloud Volumes ONTAP

```
POST /aws/ha/working-environments/{workingEnvironmentId}/upload-licenses
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	license file content request	true	<a href="#">LicenseFileContent</a>	

## Consumes

- application/json

## Produces

- application/json

## Activate FPolicy for ransomware files

```
PUT /aws/ha/working-environments/{workingEnvironmentId}/activate-fpolicy
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

## Consumes

- application/json

## Produces

- application/json

## Disable FPolicy for ransomware files

```
PUT /aws/ha/working-environments/{workingEnvironmentId}/disable-fpolicy
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

## Consumes

- application/json

## Produces

- application/json

## Modify the net port broadcast domain mtu of the Cloud Volumes ONTAP

```
PUT /aws/ha/working-  
environments/{workingEnvironmentId}/networkOptimization
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Use optimization	true	<a href="#">ChangeNetworkOptimizationRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Setup NTP server

```
POST /aws/ha/working-environments/{workingEnvironmentId}/ntp
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	NTP Configuration request	true	<a href="#">NTPConfigurationRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Retrieves editable tags for cloud resources of a given Cloud Volumes ONTAP instance**

```
GET /aws/ha/working-environments/{workingEnvironmentId}/user-tags
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">UserTagsResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Modify user tags for cloud resources of a given Cloud Volumes ONTAP instance**

```
PUT /aws/ha/working-environments/{workingEnvironmentId}/user-tags
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Modify user tags request	true	<a href="#">ModifyUserTagsRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Retrieves images already installed on the Cloud Volumes ONTAP

```
GET /aws/ha/working-environments/{workingEnvironmentId}/ontap-available-images
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">UpdateLocalImage</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieves an HA Cloud Volumes ONTAP working environment.

```
GET /aws/ha/working-environments/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	
PathParameter	workingEnvironmentId		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaWorkingEnvironmentResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Deletes an existing Cloud Volumes ONTAP working environment, including all Cloud resources created for this working environment (unless the localDelete flag is set to true)**

```
DELETE /aws/ha/working-environments/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	localDelete	If true, the Cloud Volumes ONTAP instance is not terminated in Cloud, but Cloud Manager no longer manages the working environment.	false	boolean	false



Type	Name	Description	Required	Schema	Default
QueryParameter	forceDelete	If true, the working environment will be deleted even if it is part of one or more SnapMirror relationships.	false	boolean	false

#### Consumes

- application/json

#### Produces

- application/json

#### Register extra capacity serials

```
POST /aws/ha/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	licenses serial(s)	true	<a href="#">LicensesSerials</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Update extra capacity serials

```
PUT /aws/ha/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity serial(s)	true	<a href="#">LicensesSerials</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Delete extra capacity licenses by serials

```
DELETE /aws/ha/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity serial(s)	true	<a href="#">LicensesSerials</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Change tier level

```
POST /aws/ha/working-environments/{workingEnvironmentId}/change-tier-level
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Change tier level request	true	<a href="#">ChangeTierLevelRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Stops a specific Cloud Volumes ONTAP instance

```
POST /aws/ha/working-environments/{workingEnvironmentId}/stop
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	takeSnapshots	Take snapshots before stopping Cloud Volumes ONTAP	true	boolean	true

#### Consumes

- application/json

#### Produces

- application/json

#### Setup a new CIFS using workgroup configuration to an existing Cloud Volumes ONTAP working environment

```
POST /aws/ha/working-environments/{workingEnvironmentId}/cifs-workgroup
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSWorkgroup ConfigurationRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Modify the svm name of the Cloud Volumes ONTAP

```
PUT /aws/ha/working-environments/{workingEnvironmentId}/svm
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Svm name modification request	true	<a href="#">SvmNameModificationRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Updates default vscan file operation profile. Profile on existing CIFS shares will change only on writes-only mode**

```
PUT /aws/ha/working-environments/{workingEnvironmentId}/vscan-file-op
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Vscan file-operation Request	true	<a href="#">VscanFileOpRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Starts a specific Cloud Volumes ONTAP instance

```
POST /aws/ha/working-environments/{workingEnvironmentId}/start
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Consumes

- application/json

### Produces

- application/json

### Checks for the presence of non-persistent locks held on CIFS Sessions.

```
GET /aws/ha/working-environments/{workingEnvironmentId}/cifs-locks-exist
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

## Responses

HTTP Code	Description	Schema
default	success	boolean

## Consumes

- application/json

## Produces

- application/json

## Activate snapshot policy assignment to all not protected rw volumes

```
PUT /aws/ha/working-environments/{workingEnvironmentId}/activate-snapshot-policy
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Consumes

- application/json

## Produces

- application/json

## Retrieves a list of versions to which this Cloud Volumes ONTAP can be upgraded

```
GET /aws/ha/working-environments/{workingEnvironmentId}/occm-provided-upgrade-versions
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">OntapUpdateImageMetadata</a> array

## Consumes

- application/json

## Produces

- application/json

## Working Environment Ontap Saving

```
GET /aws/ha/working-environments/{workingEnvironmentId}/ontap-saving
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">WorkingEnvironmentOntapSavingResponse</a>

## Consumes

- application/json

## Produces

- application/json

Updates mediator of the specified Cloud Volumes ONTAP with the given version. Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST /aws/ha/working-environments/{workingEnvironmentId}/update-mediator
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

#### Consumes

- application/json

#### Produces

- application/json

#### Setup a new CIFS Configuration to an existing Cloud Volumes ONTAP working environment

```
POST /aws/ha/working-environments/{workingEnvironmentId}/cifs
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSConfigurationRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Retrieves CIFS Configuration to an existing Cloud Volumes ONTAP working environment

```
GET /aws/ha/working-environments/{workingEnvironmentId}/cifs
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	svm		false	string	



## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CIFSConfigurationResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Working Environment Cost And Usage

```
GET /aws/ha/working-environments/{workingEnvironmentId}/cost-and-usage
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	start	cost and usage start period	false	string	
QueryParameter	end	cost and usage end period	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">WorkingEnvironmentCostAndUsageResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Sets the writing speed for Cloud Volumes ONTAP

```
PUT /aws/ha/working-environments/{workingEnvironmentId}/writing-speed
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Writing speed request	true	<a href="#">WritingSpeedRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Activate offbox configuration

```
PUT /aws/ha/working-environments/{workingEnvironmentId}/offbox
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Consumes

- application/json

### Produces

- application/json

### Performs a complete image update operation on the single node of the specified Cloud Volumes ONTAP

```
POST /aws/ha/working-environments/{workingEnvironmentId}/update-image
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Update system image request	true	<a href="#">UpdateSystemImageRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Updates Cloud Manager password of a specific Cloud Volumes ONTAP

```
PUT /aws/ha/working-environments/{workingEnvironmentId}/update-credentials
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Update Cloud Manager password request	true	<a href="#">UpdateCredentialsRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Delete CIFS Configuration of an existing Cloud Volumes ONTAP working environment

```
POST /aws/ha/working-environments/{workingEnvironmentId}/delete-cifs
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

Type	Name	Description	Required	Schema	Default
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSDeleteRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Create snapshot policy

```
POST /aws/ha/working-environments/{workingEnvironmentId}/snapshot-policy
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
BodyParameter	body	Create snapshot policy request	true	<a href="#">SnapshotPolicyCreateRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Manually triggers subscription sync for all Cloud Volumes ONTAP working environments

```
POST /aws/ha/working-environments/sync-subscription
```

#### Consumes

- application/json

#### Produces

- application/json

## Change serial number of Cloud Volumes ONTAP

```
POST /aws/ha/working-environments/{workingEnvironmentId}/change-serial
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Change serial number request	true	<a href="#">ChangeSerialNumberRequest</a>	

### Consumes

- application/json

### Produces

- application/json

Updates the route tables of an HA Cloud Volumes ONTAP working environment. Operation may only be performed on working environments whose status is: ON, DEGRADED

```
PUT /aws/ha/working-environments/{workingEnvironmentId}/route-tables
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
BodyParameter	body		true	<a href="#">UpdateRouteTablesRequest</a>	

### Consumes

- application/json

### Produces

- application/json

## Delete FPolicy for ransomware files

```
DELETE /aws/ha/working-environments/{workingEnvironmentId}/fpolicy
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

## Consumes

- application/json

## Produces

- application/json

**Retrieves all license types and their associated instance types for a given Cloud Volumes ONTAP instance**

```
GET /aws/ha/working-environments/{workingEnvironmentId}/license-instance-type
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">LicenseAndInstanceType</a> array

## Consumes

- application/json

## Produces

- application/json

**Sets the instance type of a specific Cloud Volumes ONTAP**

```
PUT /aws/ha/working-environments/{workingEnvironmentId}/license-instance-type
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Instance type modification request	true	<a href="#">LicenseAndInstanceTypeModificationRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Creates a new AWS HA Cloud Volumes ONTAP working environment.**

```
POST /aws/ha/working-environments
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Working environment	true	<a href="#">CreateAwsHaWorkingEnvironmentRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaWorkingEnvironmentResponse</a>

## Consumes

- application/json

## Produces

- application/json

**List start-stop schedules for Cloud Volumes ONTAP**

```
GET /aws/ha/working-environments/{workingEnvironmentId}/schedules
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaSchedule</a> array

## Consumes

- application/json

## Produces

- application/json

## Set schedules for Cloud Volumes ONTAP

```
PUT /aws/ha/working-environments/{workingEnvironmentId}/schedules
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Cloud Volumes ONTAP working environment update schedule request	true	<a href="#">VsaSchedulesRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Sets the cluster password of a specific Cloud Volumes ONTAP

```
PUT /aws/ha/working-environments/{workingEnvironmentId}/set-password
```



## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	occmOnly		false	boolean	
BodyParameter	body	Set password request	true	<a href="#">PasswordWrapper</a>	

## Consumes

- application/json

## Produces

- application/json

## Uploads a Cloud license file on the provided Cloud Volumes ONTAP

```
POST /aws/ha/working-environments/{workingEnvironmentId}/upload-license-file
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
HeaderParameter	filename	Cloud license file name	false	string	
BodyParameter	license	license	false	string	

## Consumes

- multipart/form-data

## Produces

- application/json

## Retrieves action parameters used in create request of a given Cloud Volumes ONTAP instance

```
GET /aws/ha/working-environments/{workingEnvironmentId}/create-request-parameters
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CreateRequestParametersResponse</a>

## Consumes

- application/json

## Produces

- application/json

Retrieves eligibility support status of a Cloud Volumes ONTAP system. Valid values - NSS\_NOT\_VALID, NOT\_REGISTERED, IPA\_PROBLEM, VALID, NSS\_NOT\_EXISTS, LICENSE\_EXPIRED

```
GET /aws/ha/working-environments/{workingEnvironmentId}/update-eligibility
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
200	success	<a href="#">EligibilityResponse</a>
400	Working Environment must be ON or UPDATING in order to check eligibility	No Content

## Consumes

- application/json

## Produces

- application/json

## Enable capacity tiering

```
POST /aws/ha/working-environments/{workingEnvironmentId}/enable-capacity-tiering
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Enable capacity tiering request	false	<a href="#">EnableCapacityTieringRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Parses an uploaded Cloud license file

```
POST /aws/ha/working-environments/parse-license-file
```

## Parameters

Type	Name	Description	Required	Schema	Default
HeaderParameter	filename	Cloud license file name	false	string	
BodyParameter	license	license	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">ProvidedLicenseResponse</a>

## Consumes

- multipart/form-data

## Produces

- application/json

## Registers a Cloud Volumes ONTAP system with NetApp

```
POST /aws/ha/working-environments/{workingEnvironmentId}/support-registration
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	nssAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportRegistrationResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Retrieves the support registration status of a Cloud Volumes ONTAP system

```
GET /aws/ha/working-environments/{workingEnvironmentId}/support-registration
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportRegistrationResponse</a>

#### Consumes

- application/json

#### Produces

- application/json

#### Azure-ha:aggregates

#### Creates a new aggregate

```
POST /azure/ha/aggregates
```

#### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Create Aggregate Request	true	<a href="#">VsaAggregateCreateRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Retrieves aggregates

```
GET /azure/ha/aggregates/{workingEnvironmentId}
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AggregateResponse</a> array

### Consumes

- application/json

### Produces

- application/json

### Deletes an existing aggregate

```
DELETE /azure/ha/aggregates/{workingEnvironmentId}/{aggregateName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	aggregateName	Name of aggregate to be deleted	true	string	

### Consumes

- application/json

### Produces

- application/json

### Adds disks to an existing aggregate

```
POST /azure/ha/aggregates/{workingEnvironmentId}/{aggregateName}/disks
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	aggregateName	Name of aggregate to be updated	true	string	
BodyParameter	body	Add disk to aggregate request	true	<a href="#">AddDisksToAggregateRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Azure-ha:discovery

Retrieves a list of discovered working environments visible to the current user in the specified Azure region.

```
GET /azure/ha/discovery/discover
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region	Region to discover working environments	true	string	
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">DiscoveredAzureHaResponse</a> array

### Consumes

- application/json

### Produces

- application/json

Saves a previously discovered Cloud Volumes ONTAP working environment to the Cloud Manager database.

```
POST /azure/ha/discovery/recover
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Working environment	true	<a href="#">RecoverAzureHAResponse</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureVsaWorkingEnvironmentResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Azure-ha:metadata

### Retrieves Network Extended Info

```
GET /azure/ha/metadata/vnets
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureNetworkExtendedResponse</a>

## Consumes

- application/json

## Produces

- application/json



## Retrieves all the Tag names

```
GET /azure/ha/metadata/tag-keys
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">TagKeyResponse</a> array

### Consumes

- application/json

### Produces

- application/json

## Retrieve all vaults

```
GET /azure/ha/metadata/vaults
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	
QueryParameter	region		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureKeyVault</a> array

### Consumes

- application/json

## Produces

- application/json

## Create new blob container

```
POST /azure/ha/metadata/create-container
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Create blob container request	true	<a href="#">CreateBlobContainerRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Retrieves supported capacity tiers for Azure disk types

```
GET /azure/ha/metadata/supported-capacity-tiers
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	ontapVersion		true	string	
QueryParameter	dataEncryptionType		true	string	
QueryParameter	licenseType		true	string	
QueryParameter	instanceType		true	string	
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportedCapacityTiers</a>

### Consumes

- application/json

### Produces

- application/json

### Retrieve all blob containers

```
GET /azure/ha/metadata/containers
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	
QueryParameter	resourceGroupName		true	string	
QueryParameter	storageAccountName		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureBlobContainer</a> array

### Consumes

- application/json

### Produces

- application/json

### Retrieves associated subscriptions

```
GET /azure/ha/metadata/associated-subscriptions
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AssociatedSubscription</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieve all keys in a vault

```
GET /azure/ha/metadata/keys-vault
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	
QueryParameter	resourceGroupName		true	string	
QueryParameter	vaultName		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureKey</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieves Azure regions over which an Cloud Volumes ONTAP working environment may be created

```
GET /azure/ha/metadata/regions
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureRegionResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieves instance types not supporting acceleration and capacity tiering

```
GET /azure/ha/metadata/instance-types-not-supporting-acceleration-and-capacity-tiering
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">InstanceTypesNotSupportingAccelerationAndCapacityTieringResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Validates the current user is subscribed to Cloud Volumes ONTAP product in Azure marketplace

```
POST /azure/ha/metadata/validate-subscribed-to-ontap-cloud
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Validate subscribed to Cloud Volumes ONTAP request	true	<a href="#">AzureValidateSubscribedToOntapCloudRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureValidateSubscribedToOntapCloudResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Retrieves Azure resource groups by region

```
GET /azure/ha/metadata/resource-groups
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureResourceGroupByRegionResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieves Azure availability zones by region

```
GET /azure/ha/metadata/availability-zones
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureAvailabilityZoneResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieves default snapshot policies available on a cluster

```
GET /azure/ha/metadata/default-snapshot-policies
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SnapshotPolicy</a> array

## Consumes

- application/json

## Produces

- application/json

**Retrieves all ONTAP Cloud configurations.**

```
GET /azure/ha/metadata/permutations
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region	Filter by region	false	string	
QueryParameter	version	Filter by version	false	string	
QueryParameter	license	Filter by license	false	string	
QueryParameter	instance_type	Filter by instance type	false	string	
QueryParameter	default_instance_type	Filter by default instance type	false	string	
QueryParameter	feature	Filter by feature	false	string	
QueryParameter	latest_only	Filter latest only	false	string	
QueryParameter	marketplace_version	Filter by marketplace version	false	string	
QueryParameter	marketplace_sku	Filter by marketplace sku	false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">Configuration</a> array

### Consumes

- application/json

### Produces

- application/json

**Retrieves the minimum number of required IPs for a Cloud Volumes ONTAP system**

```
GET /azure/ha/metadata/network-requirements
```

### Responses



HTTP Code	Description	Schema
default	success	<a href="#">AzureNetworkRequirementsResponse</a>

#### Consumes

- application/json

#### Produces

- application/json

#### Retrieves supported Azure storage account types

```
GET /azure/ha/metadata/storage-account-types
```

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureStorageAccountTypeResponse</a> array

#### Consumes

- application/json

#### Produces

- application/json

#### Retrieves supported features

```
GET /azure/ha/metadata/supported-features
```

#### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	ontapVersion		true	string	
QueryParameter	dataEncryptionType		true	string	
QueryParameter	licenseType		true	string	
QueryParameter	instanceType		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportedFeaturesResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Retrieves packages configuration

```
GET /azure/ha/metadata/packages
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">PackageInfoResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Azure-ha:volumes

### Add ISCSI initiator.

```
POST /azure/ha/volumes/initiator
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	ISCSI initiator request	true	<a href="#">Initiator</a>	

## Consumes

- application/json

## Produces

- application/json

## Get all ISCSI initiators.

```
GET /azure/ha/volumes/initiator
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">InitiatorEntry</a> array

## Consumes

- application/json

## Produces

- application/json

**Change underlying volume tier.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST
/azure/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/change-
tier
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">ChangeVolumeTierRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Retrieves volumes for Backup Activation.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
GET /azure/ha/volumes/volumes-for-backup
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Filter volumes by this working environment	true	string	
QueryParameter	offset	offset	false	integer (int32)	
QueryParameter	limit	limit	false	integer (int32)	
QueryParameter	search	search	false	string	
QueryParameter	filterBy	filterBy should be of the form field:value. For multiple filters use comma separator.	false	ref	
QueryParameter	sortBy	sortBy should be of the form field:Asc or field:Desc. For multiple sorting use comma separator.	false	ref	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VolumesListForBackup</a>

### Consumes

- application/json

### Produces

- application/json

**Clones an existing volume.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST /azure/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/clone
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">VolumeCloneRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Move an existing volume.**Operation may only be performed on working environments whose status is: **ON, DEGRADED**

```
POST /azure/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/move
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">VolumeMoveRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Get all igroups.**

```
GET /azure/ha/volumes/igroups/{workingEnvironmentId}/{svmName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">IGroup</a> array

## Consumes

- application/json

## Produces

- application/json

**Modify an existing volume.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
PUT /azure/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	ref	
BodyParameter	body	Modify volume request	true	<a href="#">VolumeModifyRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Deletes an existing volume.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
DELETE /azure/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	

### Consumes

- application/json

### Produces

- application/json

**Creates a new volume. If the properties aggregateName and maxNumOfDisksApprovedToAdd are not filled in, then the response will fail with a suggested aggregate name and the number of disks that will need to be created in order to fulfill the request. Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
POST /azure/ha/volumes
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	createAggregateIfNotFound	On create volume request, allow creating not-found aggregate	false	boolean	
BodyParameter	body	Create volume request	true	<a href="#">VsaVolumeCreateRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Retrieves volumes.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
GET /azure/ha/volumes
```

#### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Filter volumes by this working environment	true	string	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VolumeResponse</a> array

#### Consumes

- application/json

#### Produces

- application/json

**Quotes a new volume.** Returns a resource quote needed to satisfy the requested volume.Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST /azure/ha/volumes/quote
```

#### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Quote volume request	true	<a href="#">VsaVolumeQuoteRequest</a>	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaVolumeQuoteResponse</a>

#### Consumes

- application/json



## Produces

- application/json

**Create snapshot manually.** Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST
/azure/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshot
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body	Create snapshot request	true	<a href="#">SnapshotCreateRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Delete snapshot manually.** Operation may only be performed on working environments whose status is: ON, DEGRADED

```
DELETE
/azure/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshot
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body	Create snapshot request	true	<a href="#">SnapshotDeleteRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Return a list of snapshot descriptions for the volume.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
GET
/azure/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshots
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SnapshotResponse</a> array

### Consumes

- application/json

### Produces

- application/json

### Azure-ha:working-environments

**Manually triggers subscription sync for all Cloud Volumes ONTAP working environments**

```
POST /azure/ha/working-environments/sync-subscription
```

### Consumes

- application/json

## Produces

- application/json

## Create snapshot policy

```
POST /azure/ha/working-environments/{workingEnvironmentId}/snapshot-policy
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
BodyParameter	body	Create snapshot policy request	true	<a href="#">SnapshotPolicyCreateRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Setup NTP server

```
POST /azure/ha/working-environments/{workingEnvironmentId}/ntp
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	NTP Configuration request	true	<a href="#">NTPConfigurationRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## List start-stop schedules for Cloud Volumes ONTAP

```
GET /azure/ha/working-environments/{workingEnvironmentId}/schedules
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaSchedule</a> array

### Consumes

- application/json

### Produces

- application/json

## Set schedules for Cloud Volumes ONTAP

```
PUT /azure/ha/working-environments/{workingEnvironmentId}/schedules
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Cloud Volumes ONTAP working environment update schedule request	true	<a href="#">VsaSchedulesRequest</a>	

### Consumes

- application/json

## Produces

- application/json

## Modify the svm name of the Cloud Volumes ONTAP

```
PUT /azure/ha/working-environments/{workingEnvironmentId}/svm
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Svm name modification request	true	<a href="#">SvmNameModificationRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Change tier level

```
POST /azure/ha/working-environments/{workingEnvironmentId}/change-tier-level
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Change tier level request	true	<a href="#">ChangeTierLevelRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Setup a new CIFS using workgroup configuration to an existing Cloud Volumes ONTAP working environment

```
POST /azure/ha/working-environments/{workingEnvironmentId}/cifs-workgroup
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSWorkgroup ConfigurationRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Checks for the presence of non-persistent locks held on CIFS Sessions.

```
GET /azure/ha/working-environments/{workingEnvironmentId}/cifs-locks-exist
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

### Responses

HTTP Code	Description	Schema
default	success	boolean

### Consumes

- application/json

### Produces

- application/json

## Starts a specific Cloud Volumes ONTAP instance

```
POST /azure/ha/working-environments/{workingEnvironmentId}/start
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Consumes

- application/json

### Produces

- application/json

**Updates default vscan file operation profile. Profile on existing CIFS shares will change only on writes-only mode**

```
PUT /azure/ha/working-environments/{workingEnvironmentId}/vscan-file-op
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Vscan file-operation Request	true	<a href="#">VscanFileOpRequest</a>	

### Consumes

- application/json

### Produces

- application/json

## Delete CIFS Configuration of an existing Cloud Volumes ONTAP working environment

```
POST /azure/ha/working-environments/{workingEnvironmentId}/delete-cifs
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSDeleteRequest</a>	

## Consumes

- application/json

## Produces

- application/json

Returns true if a resource group with that name already exists, false otherwise

```
GET /azure/ha/working-environments/resource-group-exists/{resourceGroupName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	resourceGroupName	resource group name	true	string	
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	boolean

## Consumes

- application/json

## Produces

- application/json



## Stops a specific Cloud Volumes ONTAP instance

```
POST /azure/ha/working-environments/{workingEnvironmentId}/stop
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	takeSnapshots	Take snapshots before stopping Cloud Volumes ONTAP	true	boolean	true

### Consumes

- application/json

### Produces

- application/json

## Enable capacity tiering

```
POST /azure/ha/working-environments/{workingEnvironmentId}/enable-capacity-tiering
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Enable capacity tiering request	false	<a href="#">EnableCapacityTieringRequest</a>	

### Consumes

- application/json

### Produces

- application/json

## Retrieves a list of versions to which this Cloud Volumes ONTAP can be upgraded

```
GET /azure/ha/working-environments/{workingEnvironmentId}/occm-provided-upgrade-versions
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">OntapUpdateImageMetadata</a> array

### Consumes

- application/json

### Produces

- application/json

## Disable FPolicy for ransomware files

```
PUT /azure/ha/working-environments/{workingEnvironmentId}/disable-fpolicy
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

### Consumes

- application/json

### Produces

- application/json

## Retrieves images already installed on the Cloud Volumes ONTAP

```
GET /azure/ha/working-environments/{workingEnvironmentId}/ontap-available-images
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">UpdateLocalImage</a> array

### Consumes

- application/json

### Produces

- application/json

**Creates a new Azure HA Cloud Volumes ONTAP working environment.**

```
POST /azure/ha/working-environments
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Working environment	true	<a href="#">CreateAzureVSAWorkingEnvironmentRequest</a>	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureVsaWorkingEnvironmentResponse</a>

### Consumes

- application/json

## Produces

- application/json

Retrieves Cloud Volumes ONTAP working environments visible to the currently logged in user

```
GET /azure/ha/working-environments
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	
QueryParameter	tenantId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureVsaWorkingEnvironmentResponse</a> array

## Consumes

- application/json

## Produces

- application/json

Activate snapshot policy assignment to all not protected rw volumes

```
PUT /azure/ha/working-environments/{workingEnvironmentId}/activate-snapshot-policy
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Consumes

- application/json

## Produces

- application/json

**Retrieves number of available ip addresses in the Cloud Volumes ONTAP working environment's subnet**

```
GET /azure/ha/working-environments/{workingEnvironmentId}/available-ips-in-subnet
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AvailableIpsResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Sets the writing speed for Cloud Volumes ONTAP**

```
PUT /azure/ha/working-environments/{workingEnvironmentId}/writing-speed
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	
BodyParameter	body	Writing speed request	true	<a href="#">WritingSpeedRe quest</a>	

## Consumes

- application/json

## Produces

- application/json

## Retrieves editable tags for cloud resources of a given Cloud Volumes ONTAP instance

```
GET /azure/ha/working-environments/{workingEnvironmentId}/user-tags
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">UserTagsResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Modify user tags for cloud resources of a given Cloud Volumes ONTAP instance

```
PUT /azure/ha/working-environments/{workingEnvironmentId}/user-tags
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Modify user tags request	true	<a href="#">ModifyUserTagsRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Register extra capacity serials

```
POST /azure/ha/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	licenses serial(s)	true	<a href="#">LicensesSerials</a>	

## Consumes

- application/json

## Produces

- application/json

## Update extra capacity serials

```
PUT /azure/ha/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity serial(s)	true	<a href="#">LicensesSerials</a>	

## Consumes

- application/json

## Produces

- application/json

## Delete extra capacity licenses by serials

```
DELETE /azure/ha/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity serial(s)	true	<a href="#">LicensesSerials</a>	

### Consumes

- application/json

### Produces

- application/json

## Register extra capacity license

```
POST /azure/ha/working-environments/{workingEnvironmentId}/extra-capacity-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity licenses(s)	true	<a href="#">LicensesContent</a>	

### Consumes

- application/json

### Produces

- application/json



## Get extra capacity licenses for cvo

```
GET /azure/ha/working-environments/{workingEnvironmentId}/extra-capacity-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Consumes

- application/json

### Produces

- application/json

## Update extra capacity license

```
PUT /azure/ha/working-environments/{workingEnvironmentId}/extra-capacity-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity license(s)	true	<a href="#">LicensesContent</a>	

### Consumes

- application/json

### Produces

- application/json

## Performs a complete image update operation on the single node of the specified Cloud Volumes ONTAP

```
POST /azure/ha/working-environments/{workingEnvironmentId}/update-image
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Update system image request	true	<a href="#">UpdateSystemImageRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Change serial number of Cloud Volumes ONTAP

```
POST /azure/ha/working-environments/{workingEnvironmentId}/change-serial
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Change serial number request	true	<a href="#">ChangeSerialNumberRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Setup a new CIFS Configuration to an existing Cloud Volumes ONTAP working environment

```
POST /azure/ha/working-environments/{workingEnvironmentId}/cifs
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSConfigurationRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Retrieves CIFS Configuration to an existing Cloud Volumes ONTAP working environment

```
GET /azure/ha/working-environments/{workingEnvironmentId}/cifs
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	svm		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">CIFSConfigurationResponse</a> array

### Consumes

- application/json

### Produces

- application/json

### Retrieves an Cloud Volumes ONTAP working environment

```
GET /azure/ha/working-environments/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	
PathParameter	workingEnvironmentId		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureVsaWorkingEnvironmentResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Deletes an existing Cloud Volumes ONTAP working environment, including all Cloud resources created for this working environment (unless the localDelete flag is set to true)**

```
DELETE /azure/ha/working-environments/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	localDelete	If true, the Cloud Volumes ONTAP instance is not terminated in Cloud, but Cloud Manager no longer manages the working environment.	false	boolean	false

Type	Name	Description	Required	Schema	Default
QueryParameter	forceDelete	If true, the working environment will be deleted even if it is part of one or more SnapMirror relationships.	false	boolean	false

#### Consumes

- application/json

#### Produces

- application/json

#### Uploads a Cloud license file content on the provided Cloud Volumes ONTAP

```
POST /azure/ha/working-environments/{workingEnvironmentId}/upload-licenses
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	license file content request	true	<a href="#">LicenseFileContent</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Retrieves eligibility support status of a Cloud Volumes ONTAP system. Valid values - NSS\_NOT\_VALID, NOT\_REGISTERED, IPA\_PROBLEM, VALID, NSS\_NOT\_EXISTS, LICENSE\_EXPIRED

```
GET /azure/ha/working-environments/{workingEnvironmentId}/update-eligibility
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
200	success	<a href="#">EligibilityResponse</a>
400	Working Environment must be ON or UPDATING in order to check eligibility	No Content

## Consumes

- application/json

## Produces

- application/json

## Parses an uploaded Cloud license file

```
POST /azure/ha/working-environments/parse-license-file
```

## Parameters

Type	Name	Description	Required	Schema	Default
HeaderParameter	filename	Cloud license file name	false	string	
BodyParameter	license	license	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">ProvidedLicenseResponse</a>

## Consumes

- multipart/form-data

## Produces

- application/json

## Delete FPolicy for ransomware files

```
DELETE /azure/ha/working-environments/{workingEnvironmentId}/fpolicy
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

### Consumes

- application/json

### Produces

- application/json

## Working Environment Ontap Saving

```
GET /azure/ha/working-environments/{workingEnvironmentId}/ontap-saving
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">WorkingEnvironmentOntapSavingResponse</a>

### Consumes

- application/json

### Produces

- application/json

## Registers a Cloud Volumes ONTAP system with NetApp

```
POST /azure/ha/working-environments/{workingEnvironmentId}/support-
registration
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	nssAccountId		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportRegistrationResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieves the support registration status of a Cloud Volumes ONTAP system**

```
GET /azure/ha/working-environments/{workingEnvironmentId}/support-
registration
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportRegistrationResponse</a>

### Consumes

- application/json



## Produces

- application/json

## Activate FPolicy for ransomware files

```
PUT /azure/ha/working-environments/{workingEnvironmentId}/activate-fpolicy
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

## Consumes

- application/json

## Produces

- application/json

## Working Environment Cost And Usage

```
GET /azure/ha/working-environments/{workingEnvironmentId}/cost-and-usage
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	start	cost and usage start period	false	string	
QueryParameter	end	cost and usage end period	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">WorkingEnvironmentCostAndUsageResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Modify the net port broadcast domain mtu of the Cloud Volumes ONTAP

```
PUT /azure/ha/working-environments/{workingEnvironmentId}/networkOptimization
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Use optimization	true	<a href="#">ChangeNetworkOptimizationRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Sets the cluster password of a specific Cloud Volumes ONTAP

```
PUT /azure/ha/working-environments/{workingEnvironmentId}/set-password
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	occmOnly		false	boolean	
BodyParameter	body	Set password request	true	<a href="#">PasswordWrapper</a>	

## Consumes

- application/json

## Produces

- application/json

## Updates Cloud Manager password of a specific Cloud Volumes ONTAP

```
PUT /azure/ha/working-environments/{workingEnvironmentId}/update-credentials
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Update Cloud Manager password request	true	<a href="#">UpdateCredentialsRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Retrieves action parameters used in create request of a given Cloud Volumes ONTAP instance

```
GET /azure/ha/working-environments/{workingEnvironmentId}/create-request-parameters
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CreateRequestParametersResponse</a>

### Consumes

- application/json

### Produces

- application/json

### Activate offbox configuration

```
PUT /azure/ha/working-environments/{workingEnvironmentId}/offbox
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	

### Consumes

- application/json

### Produces

- application/json

### Retrieves all license types and their associated instance types for a given Cloud Volumes ONTAP instance

```
GET /azure/ha/working-environments/{workingEnvironmentId}/license-  
instance-type
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">LicenseAndInstanceType</a> array

### Consumes

- application/json

### Produces

- application/json

### Sets the instance type of a specific Cloud Volumes ONTAP

```
PUT /azure/ha/working-environments/{workingEnvironmentId}/license-instance-type
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Instance type modification request	true	<a href="#">LicenseAndInstanceTypeModificationRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Uploads a Cloud license file on the provided Cloud Volumes ONTAP

```
POST /azure/ha/working-environments/{workingEnvironmentId}/upload-license-file
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
HeaderParameter	filename	Cloud license file name	false	string	
BodyParameter	license	license	false	string	

## Consumes

- multipart/form-data

## Produces

- application/json

## Azure-vsa:aggregates

Retrieves aggregates. Operation may only be performed on working environments whose status is: ON, INITIALIZING, DEGRADED

```
GET /azure/vsa/aggregates/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AggregateResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Adds disks to an existing aggregate

```
POST /azure/vsa/aggregates/{workingEnvironmentId}/{aggregateName}/disks
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	aggregateName	Name of aggregate to be updated	true	string	

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Add disk to aggregate request	true	<a href="#">AddDisksToAggregateRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Creates a new aggregate

```
POST /azure/vsa/aggregates
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Create Aggregate Request	true	<a href="#">VsaAggregateCreateRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Deletes an existing aggregate

```
DELETE /azure/vsa/aggregates/{workingEnvironmentId}/{aggregateName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	aggregateName	Name of aggregate to be deleted	true	string	

### Consumes

- application/json

### Produces

- application/json

### Azure-vsa:discovery

Retrieves a list of discovered working environments visible to the current user in the specified Azure region.

```
GET /azure/vsa/discover
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region	Region to discover working environments	true	string	
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">DiscoveredAzureVSAResponse</a> array

### Consumes

- application/json

### Produces

- application/json

Saves a previously discovered Cloud Volumes ONTAP working environment to the Cloud Manager database.

```
POST /azure/vsa/recover
```

### Parameters



Type	Name	Description	Required	Schema	Default
BodyParameter	body	Working environment	true	<a href="#">RecoverAzureVSARequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureVsaWorkingEnvironmentResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Azure-vsa:metadata

### Retrieve all vaults.

```
GET /azure/vsa/metadata/vaults
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	
QueryParameter	region		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureKeyVault</a> array

## Consumes

- application/json

## Produces

- application/json

Retrieves supported capacity tiers for Azure disk types.

```
GET /azure/vsa/metadata/supported-capacity-tiers
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	ontapVersion		true	string	
QueryParameter	dataEncryptionType		true	string	
QueryParameter	licenseType		true	string	
QueryParameter	instanceType		true	string	
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportedCapacityTiers</a>

### Consumes

- application/json

### Produces

- application/json

Retrieve all blob containers.

```
GET /azure/vsa/metadata/containers
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	
QueryParameter	resourceGroupName		true	string	

Type	Name	Description	Required	Schema	Default
QueryParameter	storageAccountName		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureBlobContainer</a> array

### Consumes

- application/json

### Produces

- application/json

**Retrieves Azure resource groups by region.**

```
GET /azure/vsa/metadata/resource-groups
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureResourceGroupByRegionResponse</a> array

### Consumes

- application/json

### Produces

- application/json

**Validates the current user is subscribed to Cloud Volumes ONTAP product in Azure marketplace.**

```
POST /azure/vsa/metadata/validate-subscribed-to-ontap-cloud
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Validate subscribed to Cloud Volumes ONTAP request	true	<a href="#">AzureValidateSubscribedToOntapCloudRequest</a>	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureValidateSubscribedToOntapCloudResponse</a>

### Consumes

- application/json

### Produces

- application/json

Retrieve all keys in a vault.

```
GET /azure/vsa/metadata/keys-vault
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	
QueryParameter	resourceGroupName		true	string	
QueryParameter	vaultName		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureKey</a> array

### Consumes

- application/json

### Produces

- application/json

**Retrieves associated subscriptions.**

```
GET /azure/vsa/metadata/associated-subscriptions
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	cloudProviderAccountId		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AssociatedSubscription</a> array

### Consumes

- application/json

### Produces

- application/json

**Retrieves all Cloud Volumes ONTAP configurations.**

```
GET /azure/vsa/metadata/permutations
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region	Filter by region	false	string	
QueryParameter	version	Filter by version	false	string	
QueryParameter	license	Filter by license	false	string	
QueryParameter	instance_type	Filter by instance type	false	string	
QueryParameter	default_instance_type	Filter by default instance type	false	string	

Type	Name	Description	Required	Schema	Default
QueryParameter	feature	Filter by feature	false	string	
QueryParameter	latest_only	Filter latest only	false	string	
QueryParameter	marketplace_version	Filter by marketplace version	false	string	
QueryParameter	marketplace_sku	Filter by marketplace sku	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">Configuration</a> array

## Consumes

- application/json

## Produces

- application/json

**Retrieves Azure availability zones by region.**

```
GET /azure/vsa/metadata/availability-zones
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureAvailabilityZoneResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieves Network Extended Info.

```
GET /azure/vsa/metadata/vnets
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureNetworkExtendedResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Retrieves packages configuration

```
GET /azure/vsa/metadata/packages
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">PackageInfoResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieves supported features

```
GET /azure/vsa/metadata/supported-features
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	ontapVersion		true	string	
QueryParameter	dataEncryptionType		true	string	
QueryParameter	licenseType		true	string	
QueryParameter	instanceType		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportedFeaturesResponse</a>

### Consumes

- application/json

### Produces

- application/json

Retrieves Azure regions over which an Cloud Volumes ONTAP working environment may be created.

```
GET /azure/vsa/metadata/regions
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	

### Responses



HTTP Code	Description	Schema
default	success	<a href="#">AzureRegionResponse</a> array

#### Consumes

- application/json

#### Produces

- application/json

**Retrieves the minimum number of required IPs for a Cloud Volumes ONTAP system.**

```
GET /azure/vsa/metadata/network-requirements
```

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureNetworkRequirementsResponse</a>

#### Consumes

- application/json

#### Produces

- application/json

**Retrieves instance types not supporting acceleration and capacity tiering**

```
GET /azure/vsa/metadata/instance-types-not-supporting-acceleration-and-capacity-tiering
```

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">InstanceTypesNotSupportingAccelerationAndCapacityTieringResponse</a>

#### Consumes

- application/json

## Produces

- application/json

Retrieves all the Tag names.

```
GET /azure/vsa/metadata/tag-keys
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">TagKeyResponse</a> array

## Consumes

- application/json

## Produces

- application/json

Retrieves supported Azure storage account types.

```
GET /azure/vsa/metadata/storage-account-types
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureStorageAccountTypeResponse</a> array

## Consumes

- application/json

## Produces

- application/json

### Create new blob container.

```
POST /azure/vsa/metadata/create-container
```

#### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Create blob container request	true	<a href="#">CreateBlobContainerRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

### Retrieves default snapshot policies available on a cluster

```
GET /azure/vsa/metadata/default-snapshot-policies
```

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SnapshotPolicy</a> array

#### Consumes

- application/json

#### Produces

- application/json

### Azure-vsa:volumes

Return a list of snapshot descriptions for the volume. Operation may only be performed on working environments whose status is: ON, DEGRADED

```
GET /azure/vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshots
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SnapshotResponse</a> array

## Consumes

- application/json

## Produces

- application/json

**Move an existing volume.**Operation may only be performed on working environments whose status is: **ON, DEGRADED**

```
POST /azure/vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/move
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">VolumeMoveRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Retrieves volumes for Backup Activation.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
GET /azure/vsa/volumes/volumes-for-backup
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Filter volumes by this working environment	true	string	
QueryParameter	offset	offset	false	integer (int32)	
QueryParameter	limit	limit	false	integer (int32)	
QueryParameter	search	search	false	string	
QueryParameter	filterBy	filterBy should be of the form field:value. For multiple filters use comma separator.	false	ref	
QueryParameter	sortBy	sortBy should be of the form field:Asc or field:Desc. For multiple sorting use comma separator.	false	ref	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VolumesListForBackup</a>

### Consumes

- application/json

### Produces

- application/json

**Clones an existing volume.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST
/azure/vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/clone
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">VolumeCloneRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Quotes a new volume. Returns a resource quote needed to satisfy the requested volume. Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
POST /azure/vsa/volumes/quote
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Quote volume request	true	<a href="#">VsaVolumeQuoteRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaVolumeQuoteResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Modify an existing volume. Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
PUT /azure/vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	ref	
BodyParameter	body	Modify volume request	true	<a href="#">VolumeModifyRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Deletes an existing volume.** Operation may only be performed on working environments whose status is: ON, DEGRADED

```
DELETE /azure/vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	

## Consumes

- application/json

## Produces

- application/json

**Creates a new volume.** If the properties aggregateName and maxNumOfDisksApprovedToAdd are not filled in, then the response will fail with a suggested aggregate name and the number of disks that will need to be created in order to fulfill the request. Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST /azure/vsa/volumes
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	createAggregateIfNotFound	On create volume request, allow creating not-found aggregate	false	boolean	
BodyParameter	body	Create volume request	true	<a href="#">VsaVolumeCreateRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Retrieves volumes.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
GET /azure/vsa/volumes
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Filter volumes by this working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VolumeResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Add iSCSI initiator.

```
POST /azure/vsa/volumes/initiator
```



## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	ISCSI initiator request	true	<a href="#">Initiator</a>	

## Consumes

- application/json

## Produces

- application/json

## Get all ISCSI initiators.

```
GET /azure/vsa/volumes/initiator
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">InitiatorEntry</a> array

## Consumes

- application/json

## Produces

- application/json

## Create snapshot manually.Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST
/azure/vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshot
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Create snapshot request	true	<a href="#">SnapshotCreateRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Delete snapshot manually.**Operation may only be performed on working environments whose status is: **ON, DEGRADED**

```
DELETE
/azure/vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshot
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body	Create snapshot request	true	<a href="#">SnapshotDeleteRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Get all igroups.**

```
GET /azure/vsa/volumes/igroups/{workingEnvironmentId}/{svmName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

Type	Name	Description	Required	Schema	Default
PathParameter	svmName		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">IGroup</a> array

## Consumes

- application/json

## Produces

- application/json

**Change underlying volume tier.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST
/azure/vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/change-tier
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">ChangeVolumeTierRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Azure-vsa:working-environments

**Creates a new Cloud Volumes ONTAP working environment.**

```
POST /azure/vsa/working-environments
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Working environment	true	<a href="#">CreateAzureVSAWorkingEnvironmentRequest</a>	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureVsaWorkingEnvironmentResponse</a>

### Consumes

- application/json

### Produces

- application/json

Retrieves Cloud Volumes ONTAP working environments visible to the currently logged in user

```
GET /azure/vsa/working-environments
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	
QueryParameter	tenantId		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureVsaWorkingEnvironmentResponse</a> array

### Consumes

- application/json

## Produces

- application/json

## Working Environment Ontap Saving

```
GET /azure/vsa/working-environments/{workingEnvironmentId}/ontap-saving
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">WorkingEnvironmentOntapSavingResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Stops a specific Cloud Volumes ONTAP instance

```
POST /azure/vsa/working-environments/{workingEnvironmentId}/stop
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	takeSnapshots	Take snapshots before stopping Cloud Volumes ONTAP	true	boolean	true

### Consumes

- application/json

### Produces

- application/json

### Uploads a Cloud license file on the provided Cloud Volumes ONTAP

```
POST /azure/vsa/working-environments/{workingEnvironmentId}/upload-  
license-file
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
HeaderParameter	filename	Cloud license file name	false	string	
BodyParameter	license	license	false	string	

### Consumes

- multipart/form-data

### Produces

- application/json

### Register extra capacity license

```
POST /azure/vsa/working-environments/{workingEnvironmentId}/extra-  
capacity-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity licenses(s)	true	<a href="#">LicensesContent</a>	

### Consumes

- application/json

### Produces

- application/json

### Get extra capacity licenses for cvo

```
GET /azure/vsa/working-environments/{workingEnvironmentId}/extra-capacity-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Consumes

- application/json

### Produces

- application/json

### Update extra capacity license

```
PUT /azure/vsa/working-environments/{workingEnvironmentId}/extra-capacity-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity license(s)	true	<a href="#">LicensesContent</a>	

### Consumes

- application/json

## Produces

- application/json

**Retrieves all license types and their associated instance types for a given Cloud Volumes ONTAP instance**

```
GET /azure/vsa/working-environments/{workingEnvironmentId}/license-instance-type
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">LicenseAndInstanceType</a> array

## Consumes

- application/json

## Produces

- application/json

**Sets the instance type of a specific Cloud Volumes ONTAP**

```
PUT /azure/vsa/working-environments/{workingEnvironmentId}/license-instance-type
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Instance type modification request	true	<a href="#">LicenseAndInstanceTypeModificationRequest</a>	



## Consumes

- application/json

## Produces

- application/json

## Create snapshot policy

```
POST /azure/vsa/working-environments/{workingEnvironmentId}/snapshot-policy
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
BodyParameter	body	Create snapshot policy request	true	<a href="#">SnapshotPolicyCreateRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Registers a Cloud Volumes ONTAP system with NetApp

```
POST /azure/vsa/working-environments/{workingEnvironmentId}/support-registration
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	nssAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportRegistrationResponse</a>

### Consumes

- application/json

### Produces

- application/json

### Retrieves the support registration status of a Cloud Volumes ONTAP system

```
GET /azure/vsa/working-environments/{workingEnvironmentId}/support-
registration
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportRegistrationResponse</a>

### Consumes

- application/json

### Produces

- application/json

### Disable FPolicy for ransomware files

```
PUT /azure/vsa/working-environments/{workingEnvironmentId}/disable-fpolicy
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

### Consumes

- application/json

## Produces

- application/json

**Retrieves a list of versions to which this Cloud Volumes ONTAP can be upgraded**

```
GET /azure/vsa/working-environments/{workingEnvironmentId}/occm-provided-upgrade-versions
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">OntapUpdateImageMetadata</a> array

## Consumes

- application/json

## Produces

- application/json

**Updates default vscan file operation profile. Profile on existing CIFS shares will change only on writes-only mode**

```
PUT /azure/vsa/working-environments/{workingEnvironmentId}/vscan-file-op
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Vscan file-operation Request	true	<a href="#">VscanFileOpRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Sets the cluster password of a specific Cloud Volumes ONTAP

```
PUT /azure/vsa/working-environments/{workingEnvironmentId}/set-password
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	occmOnly		false	boolean	
BodyParameter	body	Set password request	true	<a href="#">PasswordWrapper</a>	

### Consumes

- application/json

### Produces

- application/json

### Returns true if a resource group with that name already exists, false otherwise

```
GET /azure/vsa/working-environments/resource-group-exists/{resourceGroupName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	resourceGroupName	resource group name	true	string	
QueryParameter	subscriptionId		false	string	
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	boolean

## Consumes

- application/json

## Produces

- application/json

**Retrieves action parameters used in create request of a given Cloud Volumes ONTAP instance**

```
GET /azure/vsa/working-environments/{workingEnvironmentId}/create-request-parameters
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CreateRequestParametersResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Delete FPolicy for ransomware files**

```
DELETE /azure/vsa/working-environments/{workingEnvironmentId}/fpolicy
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

#### Consumes

- application/json

#### Produces

- application/json

#### Activate FPolicy for ransomware files

```
PUT /azure/vsa/working-environments/{workingEnvironmentId}/activate-fpolicy
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

#### Consumes

- application/json

#### Produces

- application/json

#### Register extra capacity serials

```
POST /azure/vsa/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	licenses serial(s)	true	<a href="#">LicensesSerials</a>	

### Consumes

- application/json

### Produces

- application/json

### Update extra capacity serials

```
PUT /azure/vsa/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity serial(s)	true	<a href="#">LicensesSerials</a>	

### Consumes

- application/json

### Produces

- application/json

### Delete extra capacity licenses by serials

```
DELETE /azure/vsa/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity serial(s)	true	<a href="#">LicensesSerials</a>	

### Consumes

- application/json

### Produces

- application/json

### Setup NTP server

```
POST /azure/vsa/working-environments/{workingEnvironmentId}/ntp
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	NTP Configuration request	true	<a href="#">NTPConfigurationRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Sets the writing speed for Cloud Volumes ONTAP

```
PUT /azure/vsa/working-environments/{workingEnvironmentId}/writing-speed
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Writing speed request	true	<a href="#">WritingSpeedRequest</a>	

### Consumes

- application/json



## Produces

- application/json

## Delete CIFS Configuration of an existing Cloud Volumes ONTAP working environment

```
POST /azure/vsa/working-environments/{workingEnvironmentId}/delete-cifs
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSDeleteRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Activate offbox configuration

```
PUT /azure/vsa/working-environments/{workingEnvironmentId}/offbox
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Consumes

- application/json

## Produces

- application/json

## Enable capacity tiering

```
POST /azure/vsa/working-environments/{workingEnvironmentId}/enable-capacity-tiering
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Enable capacity tiering request	false	<a href="#">EnableCapacityTieringRequest</a>	

### Consumes

- application/json

### Produces

- application/json

## Retrieves images already installed on the Cloud Volumes ONTAP

```
GET /azure/vsa/working-environments/{workingEnvironmentId}/ontap-available-images
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">UpdateLocalImage</a> array

### Consumes

- application/json

### Produces

- application/json

## Manually triggers subscription sync for all Cloud Volumes ONTAP working environments

```
POST /azure/vsa/working-environments/sync-subscription
```

### Consumes

- application/json

### Produces

- application/json

Retrieves eligibility support status of a Cloud Volumes ONTAP system. Valid values - NSS\_NOT\_VALID, NOT\_REGISTERED, IPA\_PROBLEM, VALID, NSS\_NOT\_EXISTS, LICENSE\_EXPIRED

```
GET /azure/vsa/working-environments/{workingEnvironmentId}/update-eligibility
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
200	success	<a href="#">EligibilityResponse</a>
400	Working Environment must be ON or UPDATING in order to check eligibility	No Content

### Consumes

- application/json

### Produces

- application/json

## Updates Cloud Manager password of a specific Cloud Volumes ONTAP

```
PUT /azure/vsa/working-environments/{workingEnvironmentId}/update-credentials
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Update Cloud Manager password request	true	<a href="#">UpdateCredentialsRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Change tier level

```
POST /azure/vsa/working-environments/{workingEnvironmentId}/change-tier-level
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Change tier level request	true	<a href="#">ChangeTierLevelRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Starts a specific Cloud Volumes ONTAP instance

```
POST /azure/vsa/working-environments/{workingEnvironmentId}/start
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Consumes

- application/json

## Produces

- application/json

## Change serial number of Cloud Volumes ONTAP

```
POST /azure/vsa/working-environments/{workingEnvironmentId}/change-serial
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Change serial number request	true	<a href="#">ChangeSerialNumberRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## List start-stop schedules for Cloud Volumes ONTAP

```
GET /azure/vsa/working-environments/{workingEnvironmentId}/schedules
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaSchedule</a> array

## Consumes

- application/json

## Produces

- application/json

## Set schedules for Cloud Volumes ONTAP

```
PUT /azure/vsa/working-environments/{workingEnvironmentId}/schedules
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Cloud Volumes ONTAP working environment update schedule request	true	<a href="#">VsaSchedulesRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Retrieves an Cloud Volumes ONTAP working environment

```
GET /azure/vsa/working-environments/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AzureVsaWorkingEnvironmentResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Deletes an existing Cloud Volumes ONTAP working environment, including all Cloud resources created for this working environment (unless the localDelete flag is set to true)**

```
DELETE /azure/vsa/working-environments/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	localDelete	If true, the Cloud Volumes ONTAP instance is not terminated in Cloud, but Cloud Manager no longer manages the working environment.	false	boolean	false
QueryParameter	forceDelete	If true, the working environment will be deleted even if it is part of one or more SnapMirror relationships.	false	boolean	false

## Consumes

- application/json

## Produces

- application/json

## Activate snapshot policy assignment to all not protected rw volumes

```
PUT /azure/vsa/working-environments/{workingEnvironmentId}/activate-snapshot-policy
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Consumes

- application/json

## Produces

- application/json

## Working Environment Cost And Usage

```
GET /azure/vsa/working-environments/{workingEnvironmentId}/cost-and-usage
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	start	cost and usage start period	false	string	
QueryParameter	end	cost and usage end period	false	string	

## Responses



HTTP Code	Description	Schema
default	success	<a href="#">WorkingEnvironmentCostAndUsageResponse</a>

#### Consumes

- application/json

#### Produces

- application/json

### Setup a new CIFS using workgroup configuration to an existing Cloud Volumes ONTAP working environment

```
POST /azure/vsa/working-environments/{workingEnvironmentId}/cifs-workgroup
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSWorkgroupConfigurationRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

### Uploads a Cloud license file content on the provided Cloud Volumes ONTAP

```
POST /azure/vsa/working-environments/{workingEnvironmentId}/upload-licenses
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

Type	Name	Description	Required	Schema	Default
BodyParameter	body	license file content request	true	<a href="#">LicenseFileContent</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Modify the svm name of the Cloud Volumes ONTAP

```
PUT /azure/vsa/working-environments/{workingEnvironmentId}/svm
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Svm name modification request	true	<a href="#">SvmNameModificationRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Parses an uploaded Cloud license file

```
POST /azure/vsa/working-environments/parse-license-file
```

#### Parameters

Type	Name	Description	Required	Schema	Default
HeaderParameter	filename	Cloud license file name	false	string	
BodyParameter	license	license	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">ProvidedLicenseResponse</a>

## Consumes

- multipart/form-data

## Produces

- application/json

**Performs a complete image update operation on the single node of the specified Cloud Volumes ONTAP**

```
POST /azure/vsa/working-environments/{workingEnvironmentId}/update-image
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Update system image request	true	<a href="#">UpdateSystemImageRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Retrieves number of available ip addresses in the Cloud Volumes ONTAP working environment's subnet**

```
GET /azure/vsa/working-environments/{workingEnvironmentId}/available-ips-in-subnet
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AvailableIpsResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Setup a new CIFS Configuration to an existing Cloud Volumes ONTAP working environment

```
POST /azure/vsa/working-environments/{workingEnvironmentId}/cifs
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSConfigurationRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Retrieves CIFS Configuration to an existing Cloud Volumes ONTAP working environment

```
GET /azure/vsa/working-environments/{workingEnvironmentId}/cifs
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	svm		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CIFSConfigurationResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Modify the net port broadcast domain mtu of the Cloud Volumes ONTAP

```
PUT /azure/vsa/working-  
environments/{workingEnvironmentId}/networkOptimization
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	
BodyParameter	body	Use optimization	true	<a href="#">ChangeNetwork OptimizationReq uest</a>	

## Consumes

- application/json

## Produces

- application/json

## Retrieves editable tags for cloud resources of a given Cloud Volumes ONTAP instance

```
GET /azure/vsa/working-environments/{workingEnvironmentId}/user-tags
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">UserTagsResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Modify user tags for cloud resources of a given Cloud Volumes ONTAP instance

```
PUT /azure/vsa/working-environments/{workingEnvironmentId}/user-tags
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Modify user tags request	true	<a href="#">ModifyUserTagsRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Cloud-compliance

### Retrieve Cloud Compliance info.

```
GET /cloud-compliance/info
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CloudComplianceInfoResponse</a>

## Produces

- application/json

## Disable scan.

```
POST /cloud-compliance/{serviceId}/disable-service-scan
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	serviceId	Service ID	true	enum (ANF, S3)	

## Produces

- application/json

## Disable scan.

```
POST /cloud-compliance/{workingEnvironmentId}/disable-scan
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Produces

- application/json

## Deploy Cloud Compliance instance by working environments.

```
POST /cloud-compliance/deploy-by-working-environments
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	deploy Cloud Compliance request	true	<a href="#">CreateCloudComplianceByWesRequest</a>	

## Produces

- application/json

## Enable scan.

```
POST /cloud-compliance/{workingEnvironmentId}/enable-onprem-scan
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of onprem working environment	true	string	

## Produces

- application/json

## Enable scan.

```
POST /cloud-compliance/{workingEnvironmentId}/enable-scan
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Produces

- application/json

## Retrieve service Cloud Compliance status.

```
GET /cloud-compliance/fsx/{fileSystemId}/compliance-status
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	fileSystemId	File System ID	true	string	



## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CloudComplianceStatusResponse</a>

## Produces

- application/json

## Enable scan.

```
POST /cloud-compliance/{serviceId}/enable-service-scan
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	serviceId	Service ID	true	enum (ANF, S3)	
BodyParameter	body	Enable Cloud Compliance request	false	<a href="#">EnableServiceScanRequest</a>	

## Produces

- application/json

## Retrieve service Cloud Compliance status.

```
GET /cloud-compliance/{serviceId}/compliance-status
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	serviceId	Service ID	true	enum (ANF, S3)	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CloudComplianceStatusResponse</a>

## Produces

- application/json

### Disable onprem scan.

```
POST /cloud-compliance/{workingEnvironmentId}/disable-onprem-scan
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of onprem working environment	true	string	

#### Produces

- application/json

### Enable scan.

```
POST /cloud-compliance/fsx/{fileSystemId}/enable-scan
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	fileSystemId	File System ID	true	string	

#### Produces

- application/json

### Disable scan.

```
POST /cloud-compliance/fsx/{fileSystemId}/disable-scan
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	fileSystemId	File System ID	true	string	

#### Produces

- application/json

### Cloudsync

### Retrieve all S3 buckets.

```
GET /cloudsync/buckets
```

#### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	userId	User ID of the working environment creator	true	string	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">S3BucketInfo</a> array

#### Consumes

- application/json

#### Produces

- application/json

### List S3 bucket's sub directories.

```
GET /cloudsync/buckets/{bucketName}/sub-directories
```

#### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	userId	User ID of the working environment creator	true	string	
QueryParameter	fullPath	Full path to list sub directories	false	string	
PathParameter	bucketName	Bucket name to get sub directories from	true	string	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">BucketInformation</a>

#### Consumes

- application/json

#### Produces

- application/json

**Get Cloud Sync Service url, according to the current environment.**

```
GET /cloudsync/service-url
```

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">ServiceUrl</a>

#### Consumes

- application/json

#### Produces

- application/json

**Retrieves AWS user Key Pairs for working environment's account and region.**

```
GET /cloudsync/key-pairs-by-vsa/{workingEnvironmentId}
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of VSA working environment	true	string	

#### Responses

HTTP Code	Description	Schema
default	success	string array

### Consumes

- application/json

### Produces

- application/json

**Create sync of OnPrem working environment with Cloud Sync service.**Operation may only be performed on working environments whose status is: ON

```
POST /cloudsync/sync/onprem/{workingEnvironmentId}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of OnPrem working environment	true	string	
BodyParameter	body	Create sync request	true	<a href="#">CreateSyncRequ est</a>	

### Consumes

- application/json

### Produces

- application/json

**Delete sync of OnPrem working environment to Cloud Sync service.**Operation may only be performed on working environments whose status is: ON

```
DELETE /cloudsync/sync/onprem/{workingEnvironmentId}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of OnPrem working environment	true	string	

### Consumes

- application/json

## Produces

- application/json

**Create sync of VSA working environment with Cloud Sync service.** Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST /cloudsync/sync/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of VSA working environment	true	string	
BodyParameter	body	Create sync request	true	<a href="#">CreateSyncRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Delete sync of VSA working environment to Cloud Sync service.** Operation may only be performed on working environments whose status is: ON, DEGRADED

```
DELETE /cloudsync/sync/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of VSA working environment	true	string	

## Consumes

- application/json

## Produces

- application/json

### List S3 bucket's sub directories in working environment's account.

```
GET /cloudsync/buckets/{bucketName}/sub-directories/{workingEnvironmentId}
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of VSA working environment	true	string	
QueryParameter	fullPath	Full path to list sub directories	false	string	
PathParameter	bucketName	Bucket name to get sub directories from	true	string	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">BucketInformation</a>

#### Consumes

- application/json

#### Produces

- application/json

### Retrieve all S3 buckets in working environment's account.

```
GET /cloudsync/buckets/{workingEnvironmentId}
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of VSA working environment	true	string	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">S3BucketInfo</a> array

### Consumes

- application/json

### Produces

- application/json

**Add Cloud Sync relationship to an OnPrem volume.**Operation may only be performed on working environments whose status is: ON

```
POST /cloudsync/relationship/onprem/{workingEnvironmentId}/{volumeName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of OnPrem working environment	true	string	
PathParameter	volumeName		true	ref	

### Consumes

- application/json

### Produces

- application/json

**Delete Cloud Sync relationship from an OnPrem volume.**Operation may only be performed on working environments whose status is: ON

```
DELETE /cloudsync/relationship/onprem/{workingEnvironmentId}/{volumeName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of OnPrem working environment	true	string	
PathParameter	volumeName		true	ref	

### Consumes

- application/json



## Produces

- application/json

**Add Cloud Sync relationship to a VSA volume.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST /cloudsync/relationship/{workingEnvironmentId}/{volumeName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of VSA working environment	true	string	
PathParameter	volumeName		true	ref	

## Consumes

- application/json

## Produces

- application/json

**Delete Cloud Sync relationship from a VSA volume.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
DELETE /cloudsync/relationship/{workingEnvironmentId}/{volumeName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of VSA working environment	true	string	
PathParameter	volumeName		true	ref	

## Consumes

- application/json

## Produces

- application/json

**Retrieves VPCs for working environment's account and region.**

```
GET /cloudsync/vpcs-by-vsa/{workingEnvironmentId}
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of VSA working environment	true	string	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VpcExtendedResponse</a> array

#### Consumes

- application/json

#### Produces

- application/json

#### Filesystem

**Register OCCM in StoutBroker.**

```
POST /aws/filesystem/register-occm
```

#### Consumes

- application/json

#### Produces

- application/json

**List available software versions, both CVO and mediator.**

```
GET /aws/filesystem/software-versions
```

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SoftwareVersionsResponse</a>

#### Consumes

- application/json

#### Produces

- application/json

**Configure S3 bucket name and prefix destination for metrics uploading.**

```
POST /aws/filesystem/s3-config
```

#### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		true	<a href="#">ConfigureS3Request</a>	

#### Consumes

- application/json

#### Produces

- application/json

**List region to AMI mapping for software version.**

```
GET /aws/filesystem/software-metadata/{version}/ami
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	version	version	true	string	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SoftwareVersionAmisResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Modify region to AMI mapping for software version.**

```
PUT /aws/filesystem/software-metadata/{version}/ami
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	version	version	true	string	
BodyParameter	body		true	<a href="#">ModifyMappingRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Creates a new SVM on AWS HA Cloud Volumes ONTAP filesystem. Operation may only be performed on working environments whose status is: ON**

```
POST /aws/filesystem/ha/{workingEnvironmentId}/svm
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
BodyParameter	body		true	<a href="#">CreateSvmHaRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Add supported instance types for software version.

```
PUT /aws/filesystem/software-metadata/{version}/instance-types
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	version	version	true	string	
BodyParameter	body		true	<a href="#">AddInstanceTypesRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

### Creates a new AWS HA Cloud Volumes ONTAP filesystem.

```
POST /aws/filesystem/ha
```

#### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		true	<a href="#">CreateFilesystemRequest</a>	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaWorkingEnvironmentResponse</a>

#### Consumes

- application/json

#### Produces

- application/json

### Add supported AWS regions.

```
PUT /aws/filesystem/software-metadata/regions
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		true	<a href="#">AddAwsRegionsRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Fsx:volumes

**Creates a new volume.**

```
POST /fsx/volumes
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Create volume request	true	<a href="#">FsxVolumeCreateRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Retrieves volumes.**

```
GET /fsx/volumes
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fileSystemId	Filter volumes by this file system	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VolumeResponse</a> array

### Consumes

- application/json

### Produces

- application/json

**Clones an existing volume.**

```
POST /fsx/volumes/{fileSystemId}/{svmName}/{volumeName}/clone
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	fileSystemId	File System Id	true	string	
PathParameter	svmName	SVM name	true	string	
PathParameter	volumeName	Name of volume to be cloned	true	string	
BodyParameter	body	Clone volume request	true	<a href="#">VolumeCloneRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Return a list of snapshot descriptions for the volume.**

```
GET /fsx/volumes/{fileSystemId}/{svmName}/{volumeName}/snapshots
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	fileSystemId	File System Id	true	string	
PathParameter	svmName	SVM name	true	string	

Type	Name	Description	Required	Schema	Default
PathParameter	volumeName	Filter snapshot descriptions for specified volume	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SnapshotResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Modify an existing volume.

```
PUT /fsx/volumes/{fileSystemId}/{svmName}/{volumeName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	fileSystemId	File System Id	true	string	
PathParameter	svmName	SVM name	true	string	
PathParameter	volumeName	Name of volume to be modified	true	ref	
BodyParameter	body	Modify volume request	true	<a href="#">FsxVolumeModifyRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Deletes an existing volume.

```
DELETE /fsx/volumes/{fileSystemId}/{svmName}/{volumeName}
```



## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	fileSystemId	File System Id	true	string	
PathParameter	svmName	SVM name	true	string	
PathParameter	volumeName	Name of volume to be deleted	true	string	

## Consumes

- application/json

## Produces

- application/json

## Create snapshot manually.

```
POST /fsx/volumes/{fileSystemId}/{svmName}/{volumeName}/snapshot
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	fileSystemId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body	Create snapshot request	true	<a href="#">SnapshotCreate Request</a>	

## Consumes

- application/json

## Produces

- application/json

## Delete snapshot manually.

```
DELETE /fsx/volumes/{fileSystemId}/{svmName}/{volumeName}/snapshot
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	fileSystemId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body	Delete snapshot request	true	<a href="#">SnapshotDeleteRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Fsx:working-environments

Setup a new CIFS Configuration for existing FSx working environment.

```
POST /fsx/working-environments/{fileSystemId}/cifs
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	fileSystemId	File System Id	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSConfigurationRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

Retrieves CIFS Configuration for existing FSx working environment.

```
GET /fsx/working-environments/{fileSystemId}/cifs
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	fileSystemId	File System Id	true	string	
QueryParameter	svm		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CIFSConfigurationResponse</a> array

## Consumes

- application/json

## Produces

- application/json

**Retrieves SVM list for existing FSx working environment.**

```
GET /fsx/working-environments/{fileSystemId}/svms
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	fileSystemId	File System Id	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">Svm</a> array

## Consumes

- application/json

## Produces

- application/json

**Retrieve snapshot policies for existing FSx working environment.**

```
GET /fsx/working-environments/{fileSystemId}/snapshot-policies
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	fileSystemId	File System Id	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SnapshotPolicy</a> array

## Consumes

- application/json

## Produces

- application/json

**Validate provided credentials for existing FSx working environment.**

```
POST /fsx/working-environments/validate-credentials
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	FSx credentials	true	<a href="#">ZapiCredentials</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">FsxCredentialsStatusResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Gcp-ha:aggregates

**Deletes an existing aggregate**

```
DELETE /gcp/ha/aggregates/{workingEnvironmentId}/{aggregateName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	aggregateName	Name of aggregate to be deleted	true	string	

## Consumes

- application/json

## Produces

- application/json

## Adds disks to an existing aggregate

```
POST /gcp/ha/aggregates/{workingEnvironmentId}/{aggregateName}/disks
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	aggregateName	Name of aggregate to be updated	true	string	
BodyParameter	body	Add disk to aggregate request	true	<a href="#">AddDisksToAggregateRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Creates a new aggregate

```
POST /gcp/ha/aggregates
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Create Aggregate Request	true	<a href="#">VsaAggregateCreateRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Retrieves aggregates

```
GET /gcp/ha/aggregates/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AggregateResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Gcp-ha:discovery

**Saves a previously discovered Cloud Volumes ONTAP working environment to the Cloud Manager database.**

```
POST /gcp/ha/discovery/recover
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Working environment	true	<a href="#">RecoverGcpHaRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpVsaWorkingEnvironmentResponse</a>

## Consumes

- application/json

## Produces

- application/json

Retrieves a list of discovered working environments visible to the current user in the specified Gcp region.

```
GET /gcp/ha/discovery/discover
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region	Region to discover working environments	true	string	
QueryParameter	project	Project to discover working environments	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">DiscoveredGcpHaResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Gcp-ha:metadata

### Retrieves supported features

```
GET /gcp/ha/metadata/supported-features
```

#### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	ontapVersion		true	string	
QueryParameter	dataEncryptionType		true	string	
QueryParameter	licenseType		true	string	
QueryParameter	instanceType		true	string	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportedFeaturesResponse</a>

#### Consumes

- application/json

#### Produces

- application/json

**Retrieves GCP networks and subnetworks over which an Cloud Volumes ONTAP working environment may be created.**

```
GET /gcp/ha/metadata/vpcs
```

#### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	project		false	string	

#### Responses



HTTP Code	Description	Schema
default	success	<a href="#">GcpConnectivityResponse</a> array

#### Consumes

- application/json

#### Produces

- application/json

**Retrieves the minimum number of required IPs for a Cloud Volumes ONTAP system**

```
GET /gcp/ha/metadata/network-requirements
```

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpNetworkRequirementsResponse</a>

#### Consumes

- application/json

#### Produces

- application/json

**Retrieves GCP encryption keys for specific region**

```
GET /gcp/ha/metadata/gcp-encryption-keys
```

#### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	project		true	string	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpEncryptionKey</a> array

### Consumes

- application/json

### Produces

- application/json

Retrieves all the Labels in the given project Id and region.

```
GET /gcp/ha/metadata/tag-keys
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	projectId		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">TagKeyResponse</a> array

### Consumes

- application/json

### Produces

- application/json

Retrieves list of Service Accounts from the project

```
GET /gcp/ha/metadata/service-accounts
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	project		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpServiceAccountsResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieves list of Projects that the caller has permission on**

```
GET /gcp/ha/metadata/projects
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpProjectsResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieves packages configuration**

```
GET /gcp/ha/metadata/packages
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">PackageInfoResponse</a> array

### Consumes

- application/json

### Produces

- application/json

**Retrieves GCP regions over which an Cloud Volumes ONTAP working environment may be created**

```
GET /gcp/ha/metadata/regions
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	project		false	string	
QueryParameter	fields		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpRegionResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieves all cloud storage buckets

```
GET /gcp/ha/metadata/buckets
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	projectId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpBucket</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieves GCP regions and zones over which an Cloud Volumes ONTAP working environment may be created.

```
GET /gcp/ha/metadata/zones
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	project		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpZonesAndRegionResponse</a> array

## Consumes

- application/json

## Produces

- application/json

**Retrieves all Cloud Volumes ONTAP configurations.**

```
GET /gcp/ha/metadata/permutations
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region	Filter by region	false	string	
QueryParameter	version	Filter by version	false	string	
QueryParameter	license	Filter by license	false	string	
QueryParameter	machine_type	Filter by machine type	false	string	
QueryParameter	latest_only	Filter latest only	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">Configuration</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieves supported disk types

```
GET /gcp/ha/metadata/gcp-disk-types
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpDiskTypeResponse</a> array

### Consumes

- application/json

### Produces

- application/json

## Retrieves default snapshot policies available on a cluster

```
GET /gcp/ha/metadata/default-snapshot-policies
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SnapshotPolicy</a> array

### Consumes

- application/json

### Produces

- application/json

## Create new bucket

```
POST /gcp/ha/metadata/create-bucket
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Create new bucket request	true	<a href="#">CreateBucketRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Retrieves instance types not supporting acceleration and capacity tiering

```
GET /gcp/ha/metadata/instance-types-not-supporting-acceleration-and-capacity-tiering
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">InstanceTypesNotSupportingAccelerationAndCapacityTieringResponse</a>

### Consumes

- application/json

### Produces

- application/json

### Retrieves supported capacity tiers for gcp disk types

```
GET /gcp/ha/metadata/supported-capacity-tiers
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	ontapVersion		true	string	
QueryParameter	dataEncryptionType		true	string	
QueryParameter	licenseType		true	string	
QueryParameter	instanceType		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportedCapacityTiers</a>

## Consumes

- application/json

## Produces

- application/json

## Gcp-ha:volumes

### Move an existing volume

```
POST /gcp/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/move
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">VolumeMoveRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Creates a new volume. If the properties aggregateName and maxNumOfDisksApprovedToAdd are not filled in, then the response will fail with a suggested aggregate name and the number of disks that will need to be created in order to fulfill the request**

```
POST /gcp/ha/volumes
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	createAggregateIfNotFound	On create volume request, allow creating not-found aggregate	false	boolean	



Type	Name	Description	Required	Schema	Default
BodyParameter	body	Create volume request	true	<a href="#">VsaVolumeCreateRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Retrieves volumes

```
GET /gcp/ha/volumes
```

#### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Filter volumes by this working environment	true	string	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VolumeResponse</a> array

#### Consumes

- application/json

#### Produces

- application/json

**Quotes a new volume. Returns a resource quote needed to satisfy the requested volume**

```
POST /gcp/ha/volumes/quote
```

#### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Quote volume request	true	<a href="#">VsaVolumeQuoteRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaVolumeQuoteResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Get all igroups

```
GET /gcp/ha/volumes/igroups/{workingEnvironmentId}/{svmName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	
PathParameter	svmName		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">IGroup</a> array

## Consumes

- application/json

## Produces

- application/json

## Clones an existing volume

```
POST /gcp/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/clone
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">VolumeCloneRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Retrieves volumes for Backup Activation

```
GET /gcp/ha/volumes/volumes-for-backup
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Filter volumes by this working environment	true	string	
QueryParameter	offset	offset	false	integer (int32)	
QueryParameter	limit	limit	false	integer (int32)	
QueryParameter	search	search	false	string	
QueryParameter	filterBy	filterBy should be of the form field:value. For multiple filters use comma separator.	false	ref	
QueryParameter	sortBy	sortBy should be of the form field:Asc or field:Desc. For multiple sorting use comma separator.	false	ref	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VolumesListForBackup</a>

## Consumes

- application/json

## Produces

- application/json

## Change underlying volume tier

```
POST /gcp/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/change-tier
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">ChangeVolumeT ierRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Create snapshot manually

```
POST /gcp/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshot
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body	Create snapshot request	true	<a href="#">SnapshotCreateRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Delete snapshot manually

```
DELETE
/gcp/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshot
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body	Create snapshot request	true	<a href="#">SnapshotDeleteRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Add iSCSI initiator

```
POST /gcp/ha/volumes/initiator
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	ISCSI initiator request	true	<a href="#">Initiator</a>	

## Consumes

- application/json

## Produces

- application/json

## Get all ISCSI initiators

```
GET /gcp/ha/volumes/initiator
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">InitiatorEntry</a> array

## Consumes

- application/json

## Produces

- application/json

## Modify an existing volume

```
PUT /gcp/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	ref	
BodyParameter	body	Modify volume request	true	<a href="#">VolumeModifyRe quest</a>	

### Consumes

- application/json

### Produces

- application/json

### Deletes an existing volume

```
DELETE /gcp/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	

### Consumes

- application/json

### Produces

- application/json

### Return a list of snapshot descriptions for the volume

```
GET  
/gcp/ha/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshots
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SnapshotResponse</a> array

### Consumes

- application/json

### Produces

- application/json

### Gcp-ha:working-environments

#### Activate snapshot policy assignment to all not protected rw volumes

```
PUT /gcp/ha/working-environments/{workingEnvironmentId}/activate-snapshot-policy
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Consumes

- application/json

### Produces

- application/json

#### Performs a complete image update operation on the single node of the specified Cloud Volumes ONTAP

```
POST /gcp/ha/working-environments/{workingEnvironmentId}/update-image
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Update system image request	true	<a href="#">UpdateSystemImageRequest</a>	

### Consumes

- application/json



## Produces

- application/json

## Working Environment Cost And Usage

```
GET /gcp/ha/working-environments/{workingEnvironmentId}/cost-and-usage
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	start	cost and usage start period	false	string	
QueryParameter	end	cost and usage end period	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">WorkingEnvironmentCostAndUsageResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Retrieves a list of versions to which this Cloud Volumes ONTAP can be upgraded

```
GET /gcp/ha/working-environments/{workingEnvironmentId}/occm-provided-upgrade-versions
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">OntapUpdateImageMetadata</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieves an Cloud Volumes ONTAP working environment

```
GET /gcp/ha/working-environments/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	
PathParameter	workingEnvironm entId		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpVsaWorkingEnvironmentRespo nse</a>

## Consumes

- application/json

## Produces

- application/json

## Deletes an existing Cloud Volumes ONTAP working environment, including all Cloud resources created for this working environment (unless the localDelete flag is set to true)

```
DELETE /gcp/ha/working-environments/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	localDelete	If true, the Cloud Volumes ONTAP instance is not terminated in Cloud, but Cloud Manager no longer manages the working environment.	false	boolean	false
QueryParameter	forceDelete	If true, the working environment will be deleted even if it is part of one or more SnapMirror relationships.	false	boolean	false

#### Consumes

- application/json

#### Produces

- application/json

#### Setup a new CIFS Configuration to an existing Cloud Volumes ONTAP working environment

```
POST /gcp/ha/working-environments/{workingEnvironmentId}/cifs
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSConfigurationRequest</a>	

#### Consumes

- application/json

## Produces

- application/json

## Retrieves CIFS Configuration to an existing Cloud Volumes ONTAP working environment

```
GET /gcp/ha/working-environments/{workingEnvironmentId}/cifs
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	svm		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CIFSConfigurationResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Creates a new Cloud Volumes ONTAP GCP HA working environment.

```
POST /gcp/ha/working-environments
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Working environment	true	<a href="#">CreateGcpVsaWorkingEnvironmentRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpVsaWorkingEnvironmentResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieves Cloud Volumes ONTAP working environments visible to the currently logged in user**

```
GET /gcp/ha/working-environments
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	
QueryParameter	tenantId		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpVsaWorkingEnvironmentResponse</a> array

### Consumes

- application/json

### Produces

- application/json

**Delete FPolicy for ransomware files**

```
DELETE /gcp/ha/working-environments/{workingEnvironmentId}/fpolicy
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

### Consumes

- application/json

## Produces

- application/json

## Modify the net port broadcast domain mtu of the Cloud Volumes ONTAP

```
PUT /gcp/ha/working-  
environments/{workingEnvironmentId}/networkOptimization
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	
BodyParameter	body	Use optimization	true	<a href="#">ChangeNetwork OptimizationReq uest</a>	

## Consumes

- application/json

## Produces

- application/json

## Starts a specific Cloud Volumes ONTAP instance

```
POST /gcp/ha/working-environments/{workingEnvironmentId}/start
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	

## Consumes

- application/json

## Produces

- application/json

## List start-stop schedules for Cloud Volumes ONTAP

```
GET /gcp/ha/working-environments/{workingEnvironmentId}/schedules
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaSchedule</a> array

### Consumes

- application/json

### Produces

- application/json

## Set schedules for Cloud Volumes ONTAP

```
PUT /gcp/ha/working-environments/{workingEnvironmentId}/schedules
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Cloud Volumes ONTAP working environment update schedule request	true	<a href="#">VsaSchedulesRequest</a>	

### Consumes

- application/json

## Produces

- application/json

## Change tier level

```
POST /gcp/ha/working-environments/{workingEnvironmentId}/change-tier-level
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Change tier level request	true	<a href="#">ChangeTierLevelRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Setup NTP server

```
POST /gcp/ha/working-environments/{workingEnvironmentId}/ntp
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	NTP Configuration request	true	<a href="#">NTPConfigurationRequest</a>	

## Consumes

- application/json

## Produces

- application/json



## Parses an uploaded Cloud license file

```
POST /gcp/ha/working-environments/parse-license-file
```

### Parameters

Type	Name	Description	Required	Schema	Default
HeaderParameter	filename	Cloud license file name	false	string	
BodyParameter	license	license	false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">ProvidedLicenseResponse</a>

### Consumes

- multipart/form-data

### Produces

- application/json

## Register extra capacity serials

```
POST /gcp/ha/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	licenses serial(s)	true	<a href="#">LicensesSerials</a>	

### Consumes

- application/json

### Produces

- application/json

## Update extra capacity serials

```
PUT /gcp/ha/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity serial(s)	true	<a href="#">LicensesSerials</a>	

### Consumes

- application/json

### Produces

- application/json

## Delete extra capacity licenses by serials

```
DELETE /gcp/ha/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity serial(s)	true	<a href="#">LicensesSerials</a>	

### Consumes

- application/json

### Produces

- application/json

## Disable FPolicy for ransomware files

```
PUT /gcp/ha/working-environments/{workingEnvironmentId}/disable-fpolicy
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	

### Consumes

- application/json

### Produces

- application/json

## Delete CIFS Configuration of an existing Cloud Volumes ONTAP working environment

```
POST /gcp/ha/working-environments/{workingEnvironmentId}/delete-cifs
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSDeleteRequ est</a>	

### Consumes

- application/json

### Produces

- application/json

## Working Environment Ontap Saving

```
GET /gcp/ha/working-environments/{workingEnvironmentId}/ontap-saving
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">WorkingEnvironmentOntapSavingResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Retrieves images already installed on the Cloud Volumes ONTAP

```
GET /gcp/ha/working-environments/{workingEnvironmentId}/ontap-available-images
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">UpdateLocalImage</a> array

## Consumes

- application/json

## Produces

- application/json

## Uploads a Cloud license file content on the provided Cloud Volumes ONTAP

```
POST /gcp/ha/working-environments/{workingEnvironmentId}/upload-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	license file content request	true	<a href="#">LicenseFileContent</a>	

### Consumes

- application/json

### Produces

- application/json

## Registers a Cloud Volumes ONTAP system with NetApp

```
POST /gcp/ha/working-environments/{workingEnvironmentId}/support-registration
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	nssAccountId		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportRegistrationResponse</a>

### Consumes

- application/json

## Produces

- application/json

## Retrieves the support registration status of a Cloud Volumes ONTAP system

```
GET /gcp/ha/working-environments/{workingEnvironmentId}/support-registration
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportRegistrationResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Change serial number of Cloud Volumes ONTAP

```
POST /gcp/ha/working-environments/{workingEnvironmentId}/change-serial
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Change serial number request	true	<a href="#">ChangeSerialNumberRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Stops a specific Cloud Volumes ONTAP instance

```
POST /gcp/ha/working-environments/{workingEnvironmentId}/stop
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	takeSnapshots	Take snapshots before stopping Cloud Volumes ONTAP	true	boolean	true

## Consumes

- application/json

## Produces

- application/json

## Sets the writing speed for Cloud Volumes ONTAP

```
PUT /gcp/ha/working-environments/{workingEnvironmentId}/writing-speed
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Writing speed request	true	<a href="#">WritingSpeedRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Register extra capacity license

```
POST /gcp/ha/working-environments/{workingEnvironmentId}/extra-capacity-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity licenses(s)	true	<a href="#">LicensesContent</a>	

### Consumes

- application/json

### Produces

- application/json

## Get extra capacity licenses for cvo

```
GET /gcp/ha/working-environments/{workingEnvironmentId}/extra-capacity-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Consumes

- application/json

### Produces

- application/json

## Update extra capacity license



```
PUT /gcp/ha/working-environments/{workingEnvironmentId}/extra-capacity-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity license(s)	true	<a href="#">LicensesContent</a>	

### Consumes

- application/json

### Produces

- application/json

### Create snapshot policy

```
POST /gcp/ha/working-environments/{workingEnvironmentId}/snapshot-policy
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
BodyParameter	body	Create snapshot policy request	true	<a href="#">SnapshotPolicyCreateRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Modify the svm name of the Cloud Volumes ONTAP

```
PUT /gcp/ha/working-environments/{workingEnvironmentId}/svm
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Svm name modification request	true	<a href="#">SvmNameModificationRequest</a>	

## Consumes

- application/json

## Produces

- application/json

Retrieves eligibility support status of a Cloud Volumes ONTAP system. Valid values - NSS\_NOT\_VALID, NOT\_REGISTERED, IPA\_PROBLEM, VALID, NSS\_NOT\_EXISTS, LICENSE\_EXPIRED

```
GET /gcp/ha/working-environments/{workingEnvironmentId}/update-eligibility
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
200	success	<a href="#">EligibilityResponse</a>
400	Working Environment must be ON or UPDATING in order to check eligibility	No Content

## Consumes

- application/json

## Produces

- application/json

**Updates default vscan file operation profile. Profile on existing CIFS shares will change only on writes-only mode**

```
PUT /gcp/ha/working-environments/{workingEnvironmentId}/vscan-file-op
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Vscan file-operation Request	true	<a href="#">VscanFileOpRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Enable capacity tiering

```
POST /gcp/ha/working-environments/{workingEnvironmentId}/enable-capacity-tiering
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Enable capacity tiering request	false	<a href="#">EnableCapacityTieringRequest</a>	

### Consumes

- application/json

### Produces

- application/json

## Sets the cluster password of a specific Cloud Volumes ONTAP

```
PUT /gcp/ha/working-environments/{workingEnvironmentId}/set-password
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	occmOnly		false	boolean	
BodyParameter	body	Set password request	true	<a href="#">PasswordWrapper</a>	

### Consumes

- application/json

### Produces

- application/json

## Uploads a Cloud license file on the provided Cloud Volumes ONTAP

```
POST /gcp/ha/working-environments/{workingEnvironmentId}/upload-license-file
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
HeaderParameter	filename	Cloud license file name	false	string	
BodyParameter	license	license	false	string	

### Consumes

- multipart/form-data

### Produces

- application/json

## Retrieves editable tags for cloud resources of a given Cloud Volumes ONTAP instance

```
GET /gcp/ha/working-environments/{workingEnvironmentId}/user-tags
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">UserTagsResponse</a>

### Consumes

- application/json

### Produces

- application/json

## Modify user tags for cloud resources of a given Cloud Volumes ONTAP instance

```
PUT /gcp/ha/working-environments/{workingEnvironmentId}/user-tags
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Modify user tags request	true	<a href="#">ModifyUserTagsRequest</a>	

### Consumes

- application/json

### Produces

- application/json

## Activate offbox configuration

```
PUT /gcp/ha/working-environments/{workingEnvironmentId}/offbox
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Consumes

- application/json

### Produces

- application/json

## Manually triggers subscription sync for all Cloud Volumes ONTAP working environments

```
POST /gcp/ha/working-environments/sync-subscription
```

### Consumes

- application/json

### Produces

- application/json

## Retrieves action parameters used in create request of a given Cloud Volumes ONTAP instance

```
GET /gcp/ha/working-environments/{workingEnvironmentId}/create-request-parameters
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">CreateRequestParametersResponse</a>

#### Consumes

- application/json

#### Produces

- application/json

#### Updates Cloud Manager password of a specific Cloud Volumes ONTAP

```
PUT /gcp/ha/working-environments/{workingEnvironmentId}/update-credentials
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Update Cloud Manager password request	true	<a href="#">UpdateCredentialsRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Activate FPolicy for ransomware files

```
PUT /gcp/ha/working-environments/{workingEnvironmentId}/activate-fpolicy
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

## Consumes

- application/json

## Produces

- application/json

**Setup a new CIFS using workgroup configuration to an existing Cloud Volumes ONTAP working environment**

```
POST /gcp/ha/working-environments/{workingEnvironmentId}/cifs-workgroup
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSWorkgroup ConfigurationRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Checks for the presence of non-persistent locks held on CIFS Sessions.**

```
GET /gcp/ha/working-environments/{workingEnvironmentId}/cifs-locks-exist
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

## Responses

HTTP Code	Description	Schema
default	success	boolean



### Consumes

- application/json

### Produces

- application/json

**Retrieves all license types and their associated instance types for a given Cloud Volumes ONTAP instance**

```
GET /gcp/ha/working-environments/{workingEnvironmentId}/license-instance-type
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">LicenseAndInstanceType</a> array

### Consumes

- application/json

### Produces

- application/json

**Sets the instance type of a specific Cloud Volumes ONTAP**

```
PUT /gcp/ha/working-environments/{workingEnvironmentId}/license-instance-type
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Instance type modification request	true	<a href="#">LicenseAndInstanceTypeModificationRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Gcp-vsa:aggregates

#### Creates a new aggregate

```
POST /gcp/vsa/aggregates
```

#### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Create Aggregate Request	true	<a href="#">VsaAggregateCreateRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

#### Deletes an existing aggregate

```
DELETE /gcp/vsa/aggregates/{workingEnvironmentId}/{aggregateName}
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

Type	Name	Description	Required	Schema	Default
PathParameter	aggregateName	Name of aggregate to be deleted	true	string	

### Consumes

- application/json

### Produces

- application/json

### Adds disks to an existing aggregate

```
POST /gcp/vsa/aggregates/{workingEnvironmentId}/{aggregateName}/disks
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	aggregateName	Name of aggregate to be updated	true	string	
BodyParameter	body	Add disk to aggregate request	true	<a href="#">AddDisksToAggregateRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Retrieves aggregates.**Operation may only be performed on working environments whose status is: ON, INITIALIZING, DEGRADED

```
GET /gcp/vsa/aggregates/{workingEnvironmentId}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AggregateResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Gcp-vsa:discovery

Retrieves a list of discovered working environments visible to the current user in the specified Gcp zone.

```
GET /gcp/vsa/discover
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region	Region to discover working environments	true	string	
QueryParameter	project	Project to discover working environments	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">DiscoveredGcpVsaResponse</a> array

## Consumes

- application/json

## Produces

- application/json

**Saves a previously discovered Cloud Volumes ONTAP working environment to the Cloud Manager database.**

```
POST /gcp/vsa/recover
```

#### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Working environment	true	<a href="#">RecoverGcpVsaRequest</a>	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpVsaWorkingEnvironmentResponse</a>

#### Consumes

- application/json

#### Produces

- application/json

#### Gcp-vsa:metadata

**Retrieves GCP regions over which an Cloud Volumes ONTAP working environment may be created.**

```
GET /gcp/vsa/metadata/regions
```

#### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	project		false	string	
QueryParameter	fields		false	string	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpRegionResponse</a> array

#### Consumes

- application/json

## Produces

- application/json

**Retrieves list of Service Accounts from the project.**

```
GET /gcp/vsa/metadata/service-accounts
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	project		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpServiceAccountsResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Retrieves supported disk types.**

```
GET /gcp/vsa/metadata/gcp-disk-types
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpDiskTypeResponse</a> array

## Consumes

- application/json

## Produces

- application/json

**Retrieves GCP encryption keys for specific region.**

```
GET /gcp/vsa/metadata/gcp-encryption-keys
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	project		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpEncryptionKey</a> array

### Consumes

- application/json

### Produces

- application/json

Retrieves all Cloud Volumes ONTAP configurations.

```
GET /gcp/vsa/metadata/permutations
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region	Filter by region	false	string	
QueryParameter	version	Filter by version	false	string	
QueryParameter	license	Filter by license	false	string	
QueryParameter	machine_type	Filter by machine type	false	string	
QueryParameter	latest_only	Filter latest only	false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">Configuration</a> array

### Consumes

- application/json

### Produces

- application/json

### Retrieves supported features

```
GET /gcp/vsa/metadata/supported-features
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	ontapVersion		true	string	
QueryParameter	dataEncryptionType		true	string	
QueryParameter	licenseType		true	string	
QueryParameter	instanceType		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportedFeaturesResponse</a>

### Consumes

- application/json

### Produces

- application/json

### Create new bucket.

```
POST /gcp/vsa/metadata/create-bucket
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Create new bucket request	true	<a href="#">CreateBucketRequest</a>	



### Consumes

- application/json

### Produces

- application/json

**Retrieves instance types not supporting acceleration and capacity tiering**

```
GET /gcp/vsa/metadata/instance-types-not-supporting-acceleration-and-capacity-tiering
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">InstanceTypesNotSupportingAccelerationAndCapacityTieringResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieves list of Projects that the caller has permission on.**

```
GET /gcp/vsa/metadata/projects
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpProjectsResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieves all cloud storage buckets.**

```
GET /gcp/vsa/metadata/buckets
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	projectId		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpBucket</a> array

### Consumes

- application/json

### Produces

- application/json

**Retrieves supported capacity tiers for gcp disk types.**

```
GET /gcp/vsa/metadata/supported-capacity-tiers
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	ontapVersion		true	string	
QueryParameter	dataEncryptionType		true	string	
QueryParameter	licenseType		true	string	
QueryParameter	instanceType		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportedCapacityTiers</a>

### Consumes

- application/json

## Produces

- application/json

Retrieves all the Labels in the given project Id and zone.

```
GET /gcp/vsa/metadata/tag-keys
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	projectId		true	string	
QueryParameter	zone		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">TagKeyResponse</a> array

## Consumes

- application/json

## Produces

- application/json

Retrieves default snapshot policies available on a cluster

```
GET /gcp/vsa/metadata/default-snapshot-policies
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SnapshotPolicy</a> array

## Consumes

- application/json

## Produces

- application/json

**Retrieves the minimum number of required IPs for a Cloud Volumes ONTAP system.**

```
GET /gcp/vsa/metadata/network-requirements
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpNetworkRequirementsResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieves packages configuration**

```
GET /gcp/vsa/metadata/packages
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">PackageInfoResponse</a> array

### Consumes

- application/json

### Produces

- application/json

### Gcp-vsa:volumes

**Creates a new volume. If the properties aggregateName and maxNumOfDisksApprovedToAdd are not filled in, then the response will fail with a suggested aggregate name and the number of disks that will need to be created in order to fulfill the request. Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
POST /gcp/vsa/volumes
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	createAggregateIfNotFound	On create volume request, allow creating not-found aggregate	false	boolean	
BodyParameter	body	Create volume request	true	<a href="#">VsaVolumeCreateRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Retrieves volumes.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
GET /gcp/vsa/volumes
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Filter volumes by this working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VolumeResponse</a> array

## Consumes

- application/json

## Produces

- application/json

**Create snapshot manually.**Operation may only be performed on working environments whose status is: ON, DEGRADED

POST

/gcp/vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshot

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body	Create snapshot request	true	<a href="#">SnapshotCreate Request</a>	

### Consumes

- application/json

### Produces

- application/json

**Delete snapshot manually.**Operation may only be performed on working environments whose status is: **ON, DEGRADED**

DELETE

/gcp/vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshot

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body	Create snapshot request	true	<a href="#">SnapshotDelete Request</a>	

### Consumes

- application/json

### Produces

- application/json

**Clones an existing volume.Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
POST /gcp/vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/clone
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">VolumeCloneRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Get all igroups.

```
GET /gcp/vsa/volumes/igroups/{workingEnvironmentId}/{svmName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">IGroup</a> array

### Consumes

- application/json

## Produces

- application/json

**Change underlying volume tier.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST
/gcp/vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/change-tier
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">ChangeVolumeTierRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Return a list of snapshot descriptions for the volume.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
GET
/gcp/vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshots
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	

## Responses



HTTP Code	Description	Schema
default	success	<a href="#">SnapshotResponse</a> array

#### Consumes

- application/json

#### Produces

- application/json

**Quotes a new volume. Returns a resource quote needed to satisfy the requested volume. Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
POST /gcp/vsa/volumes/quote
```

#### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Quote volume request	true	<a href="#">VsaVolumeQuoteRequest</a>	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaVolumeQuoteResponse</a>

#### Consumes

- application/json

#### Produces

- application/json

**Modify an existing volume. Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
PUT /gcp/vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

Type	Name	Description	Required	Schema	Default
PathParameter	svmName		true	string	
PathParameter	volumeName		true	ref	
BodyParameter	body	Modify volume request	true	<a href="#">VolumeModifyRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Deletes an existing volume.**Operation may only be performed on working environments whose status is: **ON**, **DEGRADED**

```
DELETE /gcp/vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	

### Consumes

- application/json

### Produces

- application/json

**Add ISCSI initiator.**

```
POST /gcp/vsa/volumes/initiator
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	ISCSI initiator request	true	<a href="#">Initiator</a>	

### Consumes

- application/json

### Produces

- application/json

### Get all ISCSI initiators.

```
GET /gcp/vsa/volumes/initiator
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">InitiatorEntry</a> array

### Consumes

- application/json

### Produces

- application/json

### Move an existing volume.Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST /gcp/vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/move
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">VolumeMoveReq uest</a>	

### Consumes

- application/json

## Produces

- application/json

**Retrieves volumes for Backup Activation.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
GET /gcp/vsa/volumes/volumes-for-backup
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Filter volumes by this working environment	true	string	
QueryParameter	offset	offset	false	integer (int32)	
QueryParameter	limit	limit	false	integer (int32)	
QueryParameter	search	search	false	string	
QueryParameter	filterBy	filterBy should be of the form field:value. For multiple filters use comma separator.	false	ref	
QueryParameter	sortBy	sortBy should be of the form field:Asc or field:Desc. For multiple sorting use comma separator.	false	ref	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VolumesListForBackup</a>

## Consumes

- application/json

## Produces

- application/json

## Gcp-vsa:working-environments

### Register extra capacity license

```
POST /gcp/vsa/working-environments/{workingEnvironmentId}/extra-capacity-licenses
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity licenses(s)	true	<a href="#">LicensesContent</a>	

#### Consumes

- application/json

#### Produces

- application/json

### Get extra capacity licenses for cvo

```
GET /gcp/vsa/working-environments/{workingEnvironmentId}/extra-capacity-licenses
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

#### Consumes

- application/json

#### Produces

- application/json

### Update extra capacity license

```
PUT /gcp/vsa/working-environments/{workingEnvironmentId}/extra-capacity-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity license(s)	true	<a href="#">LicensesContent</a>	

### Consumes

- application/json

### Produces

- application/json

### Parses an uploaded Cloud license file

```
POST /gcp/vsa/working-environments/parse-license-file
```

### Parameters

Type	Name	Description	Required	Schema	Default
HeaderParameter	filename	Cloud license file name	false	string	
BodyParameter	license	license	false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">ProvidedLicenseResponse</a>

### Consumes

- multipart/form-data

### Produces

- application/json

## Setup NTP server

```
POST /gcp/vsa/working-environments/{workingEnvironmentId}/ntp
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	NTP Configuration request	true	<a href="#">NTPConfigurationRequest</a>	

### Consumes

- application/json

### Produces

- application/json

## Delete CIFS Configuration of an existing Cloud Volumes ONTAP working environment

```
POST /gcp/vsa/working-environments/{workingEnvironmentId}/delete-cifs
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSDeleteRequest</a>	

### Consumes

- application/json

### Produces

- application/json

## Retrieves editable tags for cloud resources of a given Cloud Volumes ONTAP instance

```
GET /gcp/vsa/working-environments/{workingEnvironmentId}/user-tags
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">UserTagsResponse</a>

### Consumes

- application/json

### Produces

- application/json

### Modify user tags for cloud resources of a given Cloud Volumes ONTAP instance

```
PUT /gcp/vsa/working-environments/{workingEnvironmentId}/user-tags
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Modify user tags request	true	<a href="#">ModifyUserTagsRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Uploads a Cloud license file on the provided Cloud Volumes ONTAP



```
POST /gcp/vsa/working-environments/{workingEnvironmentId}/upload-license-file
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
HeaderParameter	filename	Cloud license file name	false	string	
BodyParameter	license	license	false	string	

### Consumes

- multipart/form-data

### Produces

- application/json

### Setup a new CIFS Configuration to an existing Cloud Volumes ONTAP working environment

```
POST /gcp/vsa/working-environments/{workingEnvironmentId}/cifs
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSConfigurationRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Retrieves CIFS Configuration to an existing Cloud Volumes ONTAP working environment

```
GET /gcp/vsa/working-environments/{workingEnvironmentId}/cifs
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	svm		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">CIFSConfigurationResponse</a> array

### Consumes

- application/json

### Produces

- application/json

### Uploads a Cloud license file content on the provided Cloud Volumes ONTAP

```
POST /gcp/vsa/working-environments/{workingEnvironmentId}/upload-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	license file content request	true	<a href="#">LicenseFileContent</a>	

### Consumes

- application/json

### Produces

- application/json

## Sets the writing speed for Cloud Volumes ONTAP

```
PUT /gcp/vsa/working-environments/{workingEnvironmentId}/writing-speed
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Writing speed request	true	<a href="#">WritingSpeedRequest</a>	

### Consumes

- application/json

### Produces

- application/json

## Register extra capacity serials

```
POST /gcp/vsa/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	licenses serial(s)	true	<a href="#">LicensesSerials</a>	

### Consumes

- application/json

### Produces

- application/json

## Update extra capacity serials

```
PUT /gcp/vsa/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity serial(s)	true	<a href="#">LicensesSerials</a>	

### Consumes

- application/json

### Produces

- application/json

### Delete extra capacity licenses by serials

```
DELETE /gcp/vsa/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity serial(s)	true	<a href="#">LicensesSerials</a>	

### Consumes

- application/json

### Produces

- application/json

### Delete FPolicy for ransomware files

```
DELETE /gcp/vsa/working-environments/{workingEnvironmentId}/fpolicy
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

## Consumes

- application/json

## Produces

- application/json

## Registers a Cloud Volumes ONTAP system with NetApp

```
POST /gcp/vsa/working-environments/{workingEnvironmentId}/support-registration
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	nssAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportRegistrationResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Retrieves the support registration status of a Cloud Volumes ONTAP system

```
GET /gcp/vsa/working-environments/{workingEnvironmentId}/support-registration
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportRegistrationResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Modify the net port broadcast domain mtu of the Cloud Volumes ONTAP

```
PUT /gcp/vsa/working-  
environments/{workingEnvironmentId}/networkOptimization
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Use optimization	true	<a href="#">ChangeNetworkOptimizationRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Working Environment Cost And Usage

```
GET /gcp/vsa/working-environments/{workingEnvironmentId}/cost-and-usage
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	start	cost and usage start period	false	string	
QueryParameter	end	cost and usage end period	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">WorkingEnvironmentCostAndUsageResponse</a>

## Consumes

- application/json

## Produces

- application/json

Retrieves a list of versions to which this Cloud Volumes ONTAP can be upgraded

```
GET /gcp/vsa/working-environments/{workingEnvironmentId}/occm-provided-upgrade-versions
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">OntapUpdateImageMetadata</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieves images already installed on the Cloud Volumes ONTAP

```
GET /gcp/vsa/working-environments/{workingEnvironmentId}/ontap-available-images
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">UpdateLocalImage</a> array

## Consumes

- application/json

## Produces

- application/json

## Updates Cloud Manager password of a specific Cloud Volumes ONTAP

```
PUT /gcp/vsa/working-environments/{workingEnvironmentId}/update-credentials
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Update Cloud Manager password request	true	<a href="#">UpdateCredentialsRequest</a>	



### Consumes

- application/json

### Produces

- application/json

### List start-stop schedules for Cloud Volumes ONTAP

```
GET /gcp/vsa/working-environments/{workingEnvironmentId}/schedules
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaSchedule</a> array

### Consumes

- application/json

### Produces

- application/json

### Set schedules for Cloud Volumes ONTAP

```
PUT /gcp/vsa/working-environments/{workingEnvironmentId}/schedules
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Cloud Volumes ONTAP working environment update schedule request	true	<a href="#">VsaSchedulesRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Starts a specific Cloud Volumes ONTAP instance

```
POST /gcp/vsa/working-environments/{workingEnvironmentId}/start
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Consumes

- application/json

### Produces

- application/json

### Stops a specific Cloud Volumes ONTAP instance

```
POST /gcp/vsa/working-environments/{workingEnvironmentId}/stop
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	takeSnapshots	Take snapshots before stopping Cloud Volumes ONTAP	true	boolean	true

### Consumes

- application/json

## Produces

- application/json

## Enable capacity tiering

```
POST /gcp/vsa/working-environments/{workingEnvironmentId}/enable-capacity-tiering
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Enable capacity tiering request	false	<a href="#">EnableCapacityTieringRequest</a>	

## Consumes

- application/json

## Produces

- application/json

Retrieves eligibility support status of a Cloud Volumes ONTAP system. Valid values - NSS\_NOT\_VALID, NOT\_REGISTERED, IPA\_PROBLEM, VALID, NSS\_NOT\_EXISTS, LICENSE\_EXPIRED

```
GET /gcp/vsa/working-environments/{workingEnvironmentId}/update-eligibility
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
200	success	<a href="#">EligibilityResponse</a>
400	Working Environment must be ON or UPDATING in order to check eligibility	No Content

### Consumes

- application/json

### Produces

- application/json

### Disable FPolicy for ransomware files

```
PUT /gcp/vsa/working-environments/{workingEnvironmentId}/disable-fpolicy
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

### Consumes

- application/json

### Produces

- application/json

### Sets the cluster password of a specific Cloud Volumes ONTAP

```
PUT /gcp/vsa/working-environments/{workingEnvironmentId}/set-password
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	occmOnly		false	boolean	
BodyParameter	body	Set password request	true	<a href="#">PasswordWrapper</a>	

### Consumes

- application/json

### Produces

- application/json

## Manually triggers subscription sync for all Cloud Volumes ONTAP working environments

```
POST /gcp/vsa/working-environments/sync-subscription
```

### Consumes

- application/json

### Produces

- application/json

### Activate offbox configuration

```
PUT /gcp/vsa/working-environments/{workingEnvironmentId}/offbox
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Consumes

- application/json

### Produces

- application/json

## Performs a complete image update operation on the single node of the specified Cloud Volumes ONTAP

```
POST /gcp/vsa/working-environments/{workingEnvironmentId}/update-image
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Update system image request	true	<a href="#">UpdateSystemImageRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Retrieves an Cloud Volumes ONTAP working environment.**

```
GET /gcp/vsa/working-environments/{workingEnvironmentId}
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	
PathParameter	workingEnvironmentId		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpVsaWorkingEnvironmentResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Deletes an existing Cloud Volumes ONTAP working environment, including all Cloud resources created for this working environment (unless the localDelete flag is set to true)**

```
DELETE /gcp/vsa/working-environments/{workingEnvironmentId}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

Type	Name	Description	Required	Schema	Default
QueryParameter	localDelete	If true, the Cloud Volumes ONTAP instance is not terminated in Cloud, but Cloud Manager no longer manages the working environment.	false	boolean	false
QueryParameter	forceDelete	If true, the working environment will be deleted even if it is part of one or more SnapMirror relationships.	false	boolean	false

### Consumes

- application/json

### Produces

- application/json

### Change serial number of Cloud Volumes ONTAP

```
POST /gcp/vsa/working-environments/{workingEnvironmentId}/change-serial
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Change serial number request	true	<a href="#">ChangeSerialNumberRequest</a>	

### Consumes

- application/json

### Produces

- application/json

## Setup a new CIFS using workgroup configuration to an existing Cloud Volumes ONTAP working environment

```
POST /gcp/vsa/working-environments/{workingEnvironmentId}/cifs-workgroup
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSWorkgroupConfigurationRequest</a>	

### Consumes

- application/json

### Produces

- application/json

Retrieves all license types and their associated instance types for a given Cloud Volumes ONTAP instance

```
GET /gcp/vsa/working-environments/{workingEnvironmentId}/license-instance-type
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">LicenseAndInstanceType</a> array

### Consumes

- application/json



## Produces

- application/json

## Sets the instance type of a specific Cloud Volumes ONTAP

```
PUT /gcp/vsa/working-environments/{workingEnvironmentId}/license-instance-type
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Instance type modification request	true	<a href="#">LicenseAndInstanceTypeModificationRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Create snapshot policy

```
POST /gcp/vsa/working-environments/{workingEnvironmentId}/snapshot-policy
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
BodyParameter	body	Create snapshot policy request	true	<a href="#">SnapshotPolicyCreateRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Activate snapshot policy assignment to all not protected rw volumes

```
PUT /gcp/vsa/working-environments/{workingEnvironmentId}/activate-snapshot-policy
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Consumes

- application/json

### Produces

- application/json

## Change tier level

```
POST /gcp/vsa/working-environments/{workingEnvironmentId}/change-tier-level
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Change tier level request	true	<a href="#">ChangeTierLevelRequest</a>	

### Consumes

- application/json

### Produces

- application/json

## Activate FPolicy for ransomware files

```
PUT /gcp/vsa/working-environments/{workingEnvironmentId}/activate-fpolicy
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

## Consumes

- application/json

## Produces

- application/json

## Working Environment Ontap Saving

```
GET /gcp/vsa/working-environments/{workingEnvironmentId}/ontap-saving
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">WorkingEnvironmentOntapSavingResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Modify the svm name of the Cloud Volumes ONTAP

```
PUT /gcp/vsa/working-environments/{workingEnvironmentId}/svm
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Svm name modification request	true	<a href="#">SvmNameModificationRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Creates a new Cloud Volumes ONTAP working environment.**

```
POST /gcp/vsa/working-environments
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Working environment	true	<a href="#">CreateGcpVsaWorkingEnvironmentRequest</a>	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpVsaWorkingEnvironmentResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieves Cloud Volumes ONTAP working environments visible to the currently logged in user.**

```
GET /gcp/vsa/working-environments
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	
QueryParameter	tenantId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">GcpVsaWorkingEnvironmentResponse</a> array

## Consumes

- application/json

## Produces

- application/json

Updates default vscan file operation profile. Profile on existing CIFS shares will change only on writes-only mode

```
PUT /gcp/vsa/working-environments/{workingEnvironmentId}/vscan-file-op
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Vscan file-operation Request	true	<a href="#">VscanFileOpRequest</a>	

## Consumes

- application/json

## Produces

- application/json

Retrieves action parameters used in create request of a given Cloud Volumes ONTAP instance

```
GET /gcp/vsa/working-environments/{workingEnvironmentId}/create-request-parameters
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">CreateRequestParametersResponse</a>

### Consumes

- application/json

### Produces

- application/json

### Monitoring

#### Retrieve Monitoring info.

```
GET /monitoring/info
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">MonitoringInfoResponse</a>

### Produces

- application/json

#### Disable monitoring.

```
POST /monitoring/{workingEnvironmentId}/disable-monitoring
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Produces

- application/json

## Enable monitoring.

```
POST /monitoring/{workingEnvironmentId}/enable-monitoring
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Produces

- application/json

## Deploy monitoring instance by working environments.

```
POST /monitoring/deploy-by-working-environments
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	deploy monitoring request	true	<a href="#">EnableMonitoringRequest</a>	

## Produces

- application/json

## Occm:asup

Downloads a compressed file of all ASUP files from all VSAs.

```
GET /occm/asup/download-ontap-cloud-asups
```

### Produces

- application/json

**Downloads Cloud Manager support data.**

```
GET /occm/asup/download
```

### Produces

- application/json

**Sends Cloud Manager support data to NetApp Support.**

```
POST /occm/asup/send
```

### Parameters

Type	Name	Description	Required	Schema	Default
HeaderParameter	serial	occm serial number	false	string	

### Produces

- application/json

**Sends Cloud Volumes ONTAP support data to NetApp Support.**

```
POST /occm/asup/send-Cot-Asup
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	sendToOccm	Send Asup to OCCM	true	boolean	false

### Produces

- application/json



## Get Signed URL for Cloud Manager support data.

```
GET /occm/asup/download-signed
```

### Responses

HTTP Code	Description	Schema
default	success	string

### Produces

- application/json

## Retrieves the AutoSupport configuration.

```
GET /occm/asup
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AsupConfiguration</a>

### Produces

- application/json

## Updates the AutoSupport configuration.

```
PUT /occm/asup
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		false	<a href="#">AsupConfigurationRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Sends Cloud Volumes ONTAP performance archive support data to NetApp Support.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST /occm/asup/send-Cot-performance-Asup/{workingEnvironmentId}
```

**Parameters**

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	

**Produces**

- application/json

**Occm:config**

**Resets to the default simplicator URI. Internal use only.**

```
POST /occm/config/simplicator/reset
```

**Responses**

HTTP Code	Description	Schema
default	success	<a href="#">ConfigResponse</a>

**Consumes**

- application/json

**Produces**

- application/json

**Retrieves Cloud Manager configuration parameters.**

```
GET /occm/config
```

**Responses**

HTTP Code	Description	Schema
default	success	<a href="#">ConfigValuesResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Configures modifiable Cloud Manager parameters.**

```
PUT /occm/config
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		false	<a href="#">ConfigValuesUpdateRequest</a>	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">ConfigValuesResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieves the current simplicator URI and status. Internal use only.**

```
GET /occm/config/simplicator
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">ConfigResponse</a>

### Consumes

- application/json

### Produces

- application/json

## Occm:encryption:certificate

Validates and installs the provided certificate. Successive calls will overwrite any previously installed certificate. The certificate must match a previously generated CSR.

```
POST /occm/encryption/certificate
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	The certificate generated for Cloud Manager	true	<a href="#">InstallCertificatesRequest</a>	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">CertificateResponse</a>

### Consumes

- application/json

### Produces

- application/json

Retrieves the installed certificate, if one exists.

```
GET /occm/encryption/certificate
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">CertificateResponse</a>

### Consumes

- application/json

### Produces

- application/json

## Occm:encryption:csr

Generates, stores and returns a certificate signing request (CSR). This CSR can be signed by a CA and then installed in Cloud Manager using `/install_certificate`. Successive calls will not overwrite previously generated CSRs.

```
POST /occm/encryption/csr
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">CsrResponse</a>

### Consumes

- application/json

### Produces

- application/json

Retrieves the most recently generated CSR, if any exists.

```
GET /occm/encryption/csr
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">CsrResponse</a>

### Consumes

- application/json

### Produces

- application/json

### Occm:encryption:key-managers

Returns specific key manager by public Id.

```
GET /occm/encryption/key-managers/{keyManagerId}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	keyManagerId	Public Id of the key manager	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">KeyManagerResponse</a>

## Consumes

- application/json

## Produces

- application/json

Updates an existing key manager.

```
PUT /occm/encryption/key-managers/{keyManagerId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Update key manager request parameters	true	<a href="#">KeyManagerRequest</a>	
PathParameter	keyManagerId	Public Id of the key manager to be updated	true	string	

## Responses

HTTP Code	Description	Schema
200	success	<a href="#">KeyManagerResponse</a>
404	Key manager with the given id does not exist	No Content

## Consumes

- application/json

## Produces

- application/json

**Deletes an existing key manager.**

```
DELETE /occm/encryption/key-managers/{keyManagerId}
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	keyManagerId	Public Id of the key manager to be deleted	true	string	

#### Responses

HTTP Code	Description	Schema
404	Key manager with the given id does not exist	No Content

#### Consumes

- application/json

#### Produces

- application/json

**Adds a new key manager.**

```
POST /occm/encryption/key-managers
```

#### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Create key manager request parameters	true	<a href="#">KeyManagerRequest</a>	

#### Responses

HTTP Code	Description	Schema
default	success	<a href="#">KeyManagerResponse</a>

#### Consumes

- application/json

## Produces

- application/json

## Retrieves all key managers.

```
GET /occm/encryption/key-managers
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">KeyManagerResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Occm:encryption:key-managers-ca-certificates

## Adds a new key manager CA certificate.

```
POST /occm/encryption/key-managers-ca-certificates
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Saves a key manager ca certificate request parameters	true	<a href="#">KeyManagerCaCertificateRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CertificateResponse</a>

## Consumes

- application/json



## Produces

- application/json

**Retrieves all key managers CA certificates.**

```
GET /occm/encryption/key-managers-ca-certificates
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CertificateResponse</a> array

## Consumes

- application/json

## Produces

- application/json

**Retrieves a specific key manager CA certificate.**

```
GET /occm/encryption/key-managers-ca-  
certificates/{keyManagerCaCertificateId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	keyManagerCaCertificateId	Public Id of the key manager ca certificate	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CertificateResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Deletes an existing key manager CA certificate.**

```
DELETE /occm/encryption/key-managers-ca-
certificates/{keyManagerCaCertificateId}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	keyManagerCaCertificateId	Public Id of the key manager ca certificate to be deleted	true	string	

### Responses

HTTP Code	Description	Schema
404	Key manager ca certificate with the given ID does not exist	No Content

### Consumes

- application/json

### Produces

- application/json

### Occm:key-store

**Generate new key pair and self certificate at key store and return a certificate signing request (CSR). This CSR can be signed by a CA.**

```
POST /occm/key-store/external-certificate-file
```

### Parameters

Type	Name	Description	Required	Schema	Default
HeaderParameter	certificateFilename	Certificate file name	false	string	
HeaderParameter	privateKeyFilename	Private key file name	false	string	
HeaderParameter	algorithm	Private key algorithm	false	string	
BodyParameter	certificate	The CA signed certificate	false	string	

Type	Name	Description	Required	Schema	Default
BodyParameter	privateKey	The private key associated with the CA signed certificate	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CertificateResponse</a>

## Consumes

- multipart/form-data

## Produces

- application/json

**Retrieve the self certificate of Cloud Manager key store, if one exists.**

```
GET /occm/key-store/self-certificate
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CertificateResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Validates and installs the provided certificate in trust store.**

```
POST /occm/key-store/trusted-certificate-file
```

## Parameters

Type	Name	Description	Required	Schema	Default
HeaderParameter	filename	Trusted certificate file name	false	string	

Type	Name	Description	Required	Schema	Default
BodyParameter	certificate	certificate	false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">TrustedCertificateResponse</a>

### Consumes

- multipart/form-data

### Produces

- application/json

**Validates and installs the provided root CA chain. Successive calls will overwrite any previously installed root CA chain.**

```
POST /occm/key-store/signed-certificate
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	The CA signed certificate	true	<a href="#">InstallCertificatesRequest</a>	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">CertificateResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieve the CA signed certificate of Cloud Manager key store, if one exists.**

```
GET /occm/key-store/signed-certificate
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CertificateResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Generate new key pair and self certificate at key store and return a certificate signing request (CSR). This CSR can be signed by a CA.**

```
POST /occm/key-store
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		false	<a href="#">CertificateSigningRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CsrResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Validates and installs the provided root CA chain. Successive calls will overwrite any previously installed root CA chain.**

```
POST /occm/key-store/signed-certificate-file
```

## Parameters

Type	Name	Description	Required	Schema	Default
HeaderParameter	filename	Certificate file name	false	string	
BodyParameter	certificate	The CA signed certificate	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CertificateResponse</a>

## Consumes

- multipart/form-data

## Produces

- application/json

**Return existing trusted certificates added by the user from trust store.**

```
GET /occm/key-store/user-trusted-certificates
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">TrustedCertificateResponse</a> array

## Consumes

- application/json

## Produces

- application/json

**Generate new key pair and self certificate at key store and return a certificate signing request (CSR). This CSR can be signed by a CA.**

```
POST /occm/key-store/external-certificate
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	The CA signed certificate and an associated private key	true	<a href="#">InstallCertificatesAndPrivateKeyRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CertificateResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Delete existing trusted certificate from trust store.**

```
DELETE /occm/key-store/trusted-certificate/{certificateId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	certificateId	The trusted certificate's ID	true	string	

## Consumes

- application/json

## Produces

- application/json

## Occm:saas-mp-service

**Attach SaaS subscription to cloud provider account.**

```
PUT /occm/saas-mp-service/attach-subscription/{provider}/{cloudAccountId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	cloudAccountId	Public Id of cloud provider account	true	string	
PathParameter	provider	cloud provider name	true	enum (AWS, AZURE, GCP)	
BodyParameter	body	Update subscription request	true	<a href="#">UpdateSubscriptionRequest</a>	

## Produces

- application/json

Retrieves current SaaS marketplace account and subscriptions.

```
GET /occm/saas-mp-service/account
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SaasMpAccountResponse</a>

## Produces

- application/json

Retrieves SaaS marketplace subscriptions for cvo.

```
GET /occm/saas-mp-service/{workingEnvironmentId}/subscription
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">DescribeCvoSubscriptionResponse</a>



## Produces

- application/json

## Occm:setup

**Validates that Cloud Manager has an active Internet connection**

```
POST /occm/setup/validate/connectivity
```

## Consumes

- application/json

## Produces

- application/json

**Validates a given proxy URL.**

```
POST /occm/setup/validate/proxy
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Proxy Url	true	<a href="#">ProxyUri</a>	

## Consumes

- application/json

## Produces

- application/json

## Occm:setup-portal

**Setup a given proxy URL.**

```
POST /occm/setup-portal/proxy/setup
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Proxy Url	true	<a href="#">SetProxyRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Performs initial setup with NetApp Cloud Central.**

```
POST /occm/setup-portal/init
```

### Parameters

Type	Name	Description	Required	Schema	Default
HeaderParameter	Authorization		false	string	
BodyParameter	body	Setup data	true	<a href="#">PortalSetupAsServiceConnectorRequest</a>	

### Responses

HTTP Code	Description	Schema
200	success	<a href="#">InitialSetupResponse</a>
400	If setup already performed	No Content

### Consumes

- application/json

### Produces

- application/json

**Register Cloud Manager to NetApp Cloud Central.**

```
POST /occm/setup-portal/register
```

### Responses

HTTP Code	Description	Schema
200	success	<a href="#">RegistrationResponse</a>
412	Cloud Manager is not configured with NetApp Cloud Central	No Content

HTTP Code	Description	Schema
404	Failed Communicating with NetApp Cloud Central	No Content
409	Cloud Manager is already registered to NetApp Cloud Central	No Content

### Consumes

- application/json

### Produces

- application/json

**Complete setup which was pending connectivity.**

```
POST /occm/setup-portal/complete-connectivity-pending-setup
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">InitialSetupResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Performs initial standalone setup with local identity provider.**

```
POST /occm/setup-portal/init-standalone-local-auth
```

### Parameters

Type	Name	Description	Required	Schema	Default
HeaderParameter	Authorization		false	string	
BodyParameter	body	Setup data	true	<a href="#">LocalAuthSetupRequest</a>	

## Responses

HTTP Code	Description	Schema
200	success	<a href="#">InitialSetupResponse</a>
400	If setup already performed	No Content

## Consumes

- application/json

## Produces

- application/json

## Register Cloud Manager in dark site.

```
POST /occm/setup-portal/register-in-local-auth
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">RegistrationResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Validates that Cloud Manager has an active Internet connection

```
POST /occm/setup-portal/validate/connectivity
```

## Consumes

- application/json

## Produces

- application/json

## Occm:system

**Retrieves cloud providers supported regions.**

```
GET /occm/system/cloud-provider-regions
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">ProviderSupportedRegions</a>

### Produces

- application/json

**Checks for a new version of Cloud Manager.**

```
GET /occm/system/available-update-versions
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">UpdateInfo</a> array

### Produces

- application/json

**Updates Cloud Manager with the given patch. Backup should be provided in multipart/form-data, with the file at a part named 'patch'.**

```
POST /occm/system/patch
```

### Parameters

Type	Name	Description	Required	Schema	Default
HeaderParameter	filename		false	string	
BodyParameter	patch	patch	false	string	

### Consumes

- multipart/form-data

## Produces

- application/json

## Manually trigger daily notification sending.

```
POST /occm/system/manually-trigger-send-daily-notification
```

## Produces

- application/json

## Retrieves Cloud Manager feedback configuration.

```
GET /occm/system/external-config
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">OccmExternalConfiguration</a>

## Produces

- application/json

## Manually activate Cloud Volumes ONTAP capacity automatic management cycle.

```
POST /occm/system/manually-activate-auto-vsa-capacity-management-cycle
```

## Produces

- application/json

## Performs fetch and cache of Cloud Volumes ONTAP and Cloud Manager version information files from s3.

```
POST /occm/system/cloud-ontap-update-metadata
```

## Produces

- application/json

## Retrieves Cloud Manager support services information.

```
GET /occm/system/support-services
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportServices</a>

### Produces

- application/json

**Retrieves the region, VPC, and subnet in which the Cloud Manager instance is running.**

```
GET /occm/system/occm-instance-placement
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	clearCache		false	boolean	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">InstancePlacementResponse</a>

### Produces

- application/json

**Updates Cloud Manager to the given version.**

```
POST /occm/system/update
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		false	<a href="#">VersionWrapper</a>	

### Produces

- application/json

**Performs fetch and processing of Cloud Volumes ONTAP image update metadata files.**

```
POST /occm/system/cloud-ontap-update-image-metadata
```

**Produces**

- application/json

**Retrieves Feature Flags.**

```
GET /occm/system/feature-flags
```

**Responses**

HTTP Code	Description	Schema
default	success	<a href="#">FeatureFlag</a>

**Produces**

- application/json

**Restart server.**

```
POST /occm/system/restart-server
```

**Produces**

- application/json

**Retrieves Cloud Manager server information.**

```
GET /occm/system/about
```

**Responses**

HTTP Code	Description	Schema
default	success	<a href="#">About</a>

**Produces**

- application/json



## Occm:tenancy-service

Retrieves workspaces that are visible to the currently logged in user.

```
GET /occm/tenancy-service/workspaces
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">WorkspaceResponse</a> array

### Produces

- application/json

Associate Service Connector to workspace.

```
POST /occm/tenancy-service/workspaces/{workspaceId}/associate
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workspaceId		true	string	

### Produces

- application/json

Updates current Cloud Manager service user.

```
PUT /occm/tenancy-service/users/update-current-user
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		false	<a href="#">UpdateServiceUser</a>	

### Produces

- application/json

## Onprem:aggregates

**Retrieves aggregates.**

```
GET /onprem/aggregates
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Filter aggregates by this working environment	true	string	
QueryParameter	checkTieringRestrictions	Check tiering restrictions	false	boolean	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">OnPremAggregateResponse</a> array

### Consumes

- application/json

### Produces

- application/json

### Onprem:metadata

**Verifies the address and credentials of the given cluster by retrieving the cluster info.**

```
GET /onprem/metadata/cluster-info
```

### Parameters

Type	Name	Description	Required	Schema	Default
HeaderParameter	clusterAddress	Cluster address	true	string	
HeaderParameter	clusterUsername	Cluster username	true	string	
HeaderParameter	clusterPassword	Cluster password	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">ClusterInfoResponse</a>

### Consumes

- application/json

### Produces

- application/json

### Onprem:volumes

**Modify an existing volume.**Operation may only be performed on working environments whose status is: ON

```
PUT /onprem/volumes/{workingEnvironmentId}/{svmName}/{volumeName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	svmName	SVM name	true	string	
PathParameter	volumeName	Name of volume to be modified	true	ref	
BodyParameter	body	Modify volume request	true	<a href="#">OnPremVolumeModifyRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Deletes an existing volume.**Operation may only be performed on working environments whose status is: ON

```
DELETE /onprem/volumes/{workingEnvironmentId}/{svmName}/{volumeName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	svmName	SVM name	true	string	
PathParameter	volumeName	Name of volume to be deleted	true	string	

### Consumes

- application/json

### Produces

- application/json

**Clones an existing volume.Operation may only be performed on working environments whose status is: ON**

```
POST /onprem/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/clone
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	svmName	SVM name	true	string	
PathParameter	volumeName	Name of volume to be cloned	true	string	
BodyParameter	body	Clone volume request	true	<a href="#">VolumeCloneRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Creates a new volume.Operation may only be performed on working environments whose status is: ON**

```
POST /onprem/volumes
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Create volume request	true	<a href="#">OnPremVolumeCreateRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Retrieves volumes.**Operation may only be performed on working environments whose status is: ON

```
GET /onprem/volumes
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Filter volumes by this working environment	true	string	
QueryParameter	withMinimumCoolingDays	With minimum cooling days info	false	boolean	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VolumeResponse</a> array

## Consumes

- application/json

## Produces

- application/json

**Create snapshot manually.**Operation may only be performed on working environments whose status is: ON

```
POST
/onprem/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshot
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body	Create snapshot request	true	<a href="#">SnapshotCreateRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Delete snapshot manually.**Operation may only be performed on working environments whose status is: **ON**

```
DELETE
/onprem/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshot
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body	Delete snapshot request	true	<a href="#">SnapshotDeleteRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Retrieves volumes for Backup Activation.**Operation may only be performed on working environments whose status is: **ON**

```
GET /onprem/volumes/volumes-for-backup
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Filter volumes by this working environment	true	string	
QueryParameter	offset	offset	false	integer (int32)	
QueryParameter	limit	limit	false	integer (int32)	
QueryParameter	search	search	false	string	
QueryParameter	filterBy	filterBy should be of the form field:value. For multiple filters use comma separator.	false	ref	
QueryParameter	sortBy	sortBy should be of the form field:Asc or field:Desc. For multiple sorting use comma separator.	false	ref	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VolumesListForBackup</a>

### Consumes

- application/json

### Produces

- application/json

**Return a list of snapshot descriptions for the volume.**Operation may only be performed on working environments whose status is: ON

```
GET
/onprem/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshots
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	svmName	SVM name	true	string	
PathParameter	volumeName	Filter snapshot descriptions for specified volume	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SnapshotResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Onprem:working-environments

**Setup GCP Backup Cloud to Onprem.**Operation may only be performed on working environments whose status is: ON

```
POST /onprem/working-environments/{workingEnvironmentId}/gcp-cloud-backup-setup
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	GCP Create object store config request	true	<a href="#">GcpCloudBackupSetupRequest</a>	

## Consumes

- application/json



## Produces

- application/json

Discovers on-premises working environment in Cloud Manager.

```
POST /onprem/working-environments
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Working environment	true	<a href="#">OnPremWorkingEnvironmentDiscoverRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">OnPremWorkingEnvironmentResponse</a>

## Consumes

- application/json

## Produces

- application/json

Retrieves on-premises working environments visible to the currently logged in user.

```
GET /onprem/working-environments
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	
QueryParameter	tenantId	Public Id of tenant	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">OnPremWorkingEnvironmentResponse</a> array

## Consumes

- application/json

## Produces

- application/json

**Setup AWS Backup Cloud to Onprem.**Operation may only be performed on working environments whose status is: ON

```
POST /onprem/working-environments/{workingEnvironmentId}/aws-cloud-backup-setup
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	AWS Create object store config request	true	<a href="#">AwsCloudBackupSetupRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Retrieves IP Space List to an existing Cloud Volumes ONTAP working environment.**Operation may only be performed on working environments whose status is: ON

```
GET /onprem/working-environments/{workingEnvironmentId}/ip-spaces
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	vserver	Vserver name	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">IpSpaceResponse</a> array

## Consumes

- application/json

## Produces

- application/json

**Retrieves an on-premises ONTAP working environment.**

```
GET /onprem/working-environments/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">OnPremWorkingEnvironmentRespo nse</a>

## Consumes

- application/json

## Produces

- application/json

**Cloud Manager will no longer manage this working environment, but will not affect the Data ONTAP itself.**

```
DELETE /onprem/working-environments/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Consumes

- application/json

## Produces

- application/json

**Setup Azure Backup Cloud to Onprem.**Operation may only be performed on working environments whose status is: ON

```
POST /onprem/working-environments/{workingEnvironmentId}/azure-cloud-backup-setup
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Azure Create object store config request	true	<a href="#">AzureCloudBackupSetupRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Retrieves CIFS Configuration to an existing Cloud Volumes ONTAP working environment.**Operation may only be performed on working environments whose status is: ON

```
GET /onprem/working-environments/{workingEnvironmentId}/cifs
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	vserver	Vserver name	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CIFSConfigurationResponse</a> array

## Consumes

- application/json

## Produces

- application/json

**Setup SGWS Backup Cloud to Onprem.Operation may only be performed on working environments whose status is: ON**

```
POST /onprem/working-environments/{workingEnvironmentId}/sgws-cloud-backup-setup
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	SGWS Create object store config request	true	<a href="#">SgwsCloudBackupSetupRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Updates Cloud Manager password for an On Premises working environment.**

```
PUT /onprem/working-environments/{workingEnvironmentId}/update-credentials
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Update Cloud Manager password request	true	<a href="#">UpdateCredentialsRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Replication

Retrieves SnapMirror replication relationship statuses of a specific working environment.

```
GET /replication/status/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">ReplicationStatusResponse</a> array

## Consumes

- application/json

## Produces

- application/json

Retrieves the intercluster LIFs used in a cluster peering relationship.

```
GET /replication/intercluster-lifs
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	peerWorkingEnvironmentId	Public Id of peer working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">ReplicationInterClusterLifs</a>

### Consumes

- application/json

### Produces

- application/json

**Breaks a SnapMirror replication relationship.**

```
POST
/replication/break/{destinationWorkingEnvironmentId}/{destinationSvmName}/{destinationVolumeName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	destinationWorkingEnvironmentId	Public Id of destination working environment	true	string	
PathParameter	destinationSvmName	Destination SVM name	true	string	
PathParameter	destinationVolumeName	Destination volume name	true	string	

## Consumes

- application/json

## Produces

- application/json

**Reversing an existing SnapMirror relationship. This method can only be performed in case the relationship has already been established and is healthy and idle.**

```
POST
/replication/reverse/{destinationWorkingEnvironmentId}/{destinationSvmName}
/{destinationVolumeName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	destinationWorkingEnvironmentId	Public Id of the working environment with which the SnapMirror relationship has already been established	true	string	
PathParameter	destinationSvmName	Destination SVM name	true	string	
PathParameter	destinationVolumeName	Destination volume name	true	string	
BodyParameter	body		false	<a href="#">SourceSnapmirrorEndpoint</a>	

## Consumes

- application/json

## Produces

- application/json

**Retrieves the status of all SnapMirror relationships.**

```
GET /replication/status
```



## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	tenantId	Public Id of tenant	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">ReplicationStatusResponse</a> array

## Consumes

- application/json

## Produces

- application/json

**Initializes an existing SnapMirror relationship. This method can only be performed in case the relationship has already been established and is healthy, yet is idle and uninitialized. For example, if the initial transfer were interrupted, then it can be restarted with this request.**

```
POST
/replication/initialize/{destinationWorkingEnvironmentId}/{destinationSvmName}/{destinationVolumeName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	destinationWorkingEnvironmentId	Public Id of the working environment with which the SnapMirror relationship has already been established	true	string	
PathParameter	destinationSvmName	Destination SVM name	true	string	
PathParameter	destinationVolumeName	Destination volume name	true	string	

## Consumes

- application/json

## Produces

- application/json

Retrieves replication schedules of a specific working environment.

```
GET /replication/schedules/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of destination working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">ReplicationSchedule</a> array

## Consumes

- application/json

## Produces

- application/json

Creates a new replication to an on-premises working environment.

```
POST /replication/onprem
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		false	<a href="#">CreateReplicationRequestToOnPrem</a>	

## Consumes

- application/json

## Produces

- application/json

**Updates the destination endpoint of the SnapMirror relationship.**

```
POST
/replication/update/{destinationWorkingEnvironmentId}/{destinationSvmName}
/{destinationVolumeName}
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	destinationWorkingEnvironmentId	Public Id of destination working environment	true	string	
PathParameter	destinationSvmName	Destination SVM name	true	string	
PathParameter	destinationVolumeName	Destination volume name	true	string	

#### Consumes

- application/json

#### Produces

- application/json

**Creates a new replication to an FSx working environment.**

```
POST /replication/fsx
```

#### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		false	<a href="#">CreateReplicationRequestToFsx</a>	

#### Consumes

- application/json

#### Produces

- application/json

## Resyncs a SnapMirror replication relationship.

```
POST
/replication/resync/{destinationWorkingEnvironmentId}/{destinationSvmName}
/{destinationVolumeName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	destinationWorkingEnvironmentId	Public Id of destination working environment	true	string	
PathParameter	destinationSvmName	Destination SVM name	true	string	
PathParameter	destinationVolumeName	Destination volume name	true	string	

### Consumes

- application/json

### Produces

- application/json

**Creates a new replication to an Cloud Volumes ONTAP working environment.**

```
POST /replication/vsa
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		false	<a href="#">CreateReplicationRequestToVsa</a>	

### Consumes

- application/json

### Produces

- application/json

## Return pairs of relationships.

```
GET /replication/all-relationships
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workspaceId	Public Id of workspaceId	false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AllRelationships</a>

### Consumes

- application/json

### Produces

- application/json

## Removes a replication relationship.

```
DELETE
/replication/{destinationWorkingEnvironmentId}/{destinationSvmName}/{destinationVolumeName}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	destinationWorkingEnvironmentId	Public Id of destination working environment	true	string	
PathParameter	destinationSvmName	Destination SVM name	true	string	
PathParameter	destinationVolumeName	Destination volume name	true	string	

### Consumes

- application/json

## Produces

- application/json

## Updates a SnapMirror replication relationship.

```
PUT
/replication/{workingEnvironmentId}/{destinationSvmName}/{destinationVolumeName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Replication update request	true	<a href="#">ReplicationUpdateRequest</a>	
PathParameter	destinationSvmName	Destination SVM name	true	string	
PathParameter	destinationVolumeName	Destination volume name	true	string	

## Consumes

- application/json

## Produces

- application/json

## Replication:metadata

retrieves SnapMirror policies based on source and destination Cloud Volumes ONTAP.

```
GET /replication/metadata/snapmirror-svm-policies/{sourceWorkingEnvironmentId}/{svmName}/{targetWorkingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	sourceWorkingEnvironmentId	Public Id of source working environment	true	string	

Type	Name	Description	Required	Schema	Default
PathParameter	svmName	SVM name	true	string	
PathParameter	targetWorkingEnvironmentId	Public Id of destination working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SnapMirrorPolicyResponse</a> array

## Consumes

- application/json

## Produces

- application/json

retrieves SnapMirror policies based on source and destination Cloud Volumes ONTAP.

```
GET /replication/metadata/snapmirror-
policies/{sourceWorkingEnvironmentId}/{targetWorkingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	sourceWorkingEnvironmentId	Public Id of source working environment	true	string	
PathParameter	targetWorkingEnvironmentId	Public Id of destination working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SnapMirrorPolicyResponse</a> array

## Consumes

- application/json

## Produces

- application/json

return list of snapshot labels from the volume matching labels in the passed list.Operation may only be performed on working environments whose status is: ON, DEGRADED

```
GET /replication/metadata/snapshot-  
labels/{workingEnvironmentId}/{svmName}/{volumeName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	
PathParameter	svmName	SVM name	true	string	
PathParameter	volumeName	Volume name	true	string	
QueryParameter	labels		false	csv string array	

## Responses

HTTP Code	Description	Schema
default	success	string array

## Consumes

- application/json

## Produces

- application/json

## Tenants

Creates a new tenant.

```
POST /tenants
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		true	<a href="#">AddTenantRequ est</a>	



## Responses

HTTP Code	Description	Schema
default	success	<a href="#">TenantResponse</a>

## Consumes

- application/json

## Produces

- application/json

Retrieves tenants that are visible to the currently logged in user.

```
GET /tenants
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">TenantResponse</a> array

## Consumes

- application/json

## Produces

- application/json

Retrieves a tenant.

```
GET /tenants/{tenantId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	
PathParameter	tenantId	Public Id of tenant	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">TenantResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Updates an existing tenant.**

```
PUT /tenants/{tenantId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	tenantId	Public Id of tenant	true	string	
BodyParameter	body	Tenant update request	true	<a href="#">UpdateTenantRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">TenantResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Deletes an existing tenant. It is not possible to delete a tenant over which working environments exist.**

```
DELETE /tenants/{tenantId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	tenantId	Public Id of the tenant to be deleted	true	string	

### Consumes

- application/json

### Produces

- application/json

**Links an existing tenant to a NetApp Support Site account.**

```
PUT /tenants/{tenantId}/nss-keys
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	tenantId	Public Id of the tenant to be updated	true	string	
BodyParameter	body		true	<a href="#">SetNssKeysRequest</a>	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">TenantResponse</a>

### Consumes

- application/json

### Produces

- application/json

### User-mng:auth

**Log in to Cloud Manager.**

```
POST /auth/login
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		false	<a href="#">UserPasswordRequest</a>	

## Responses

HTTP Code	Description	Schema
401	Incorrect email/password combination	No Content
408	Failed Communicating with Active Directory	No Content

## Consumes

- application/json

## Produces

- application/json

**Authenticate with local identity provider.**

```
POST /auth/local/authenticate
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		false	<a href="#">AuthRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Retrieves representation of currently logged in user.**

```
GET /auth/current-user
```

## Responses

HTTP Code	Description	Schema
200	success	<a href="#">UserResponse</a>
401	No user is currently logged in	No Content
403	No connectivity - SSL Exception	No Content
409	Setup halted. Internet connectivity required to complete	No Content

#### Consumes

- application/json

#### Produces

- application/json

#### Log out of Cloud Manager.

```
POST /auth/logout
```

#### Responses

HTTP Code	Description	Schema
401	No user is currently logged in	No Content

#### Consumes

- application/json

#### Produces

- application/json

#### Changes the password of the currently logged in user.

```
PUT /auth/current-user/change-password
```

#### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Change current user password request parameters	true	<a href="#">ResetPassword</a>	

## Responses

HTTP Code	Description	Schema
401	No user is currently logged in	No Content

## Consumes

- application/json

## Produces

- application/json

## User-mng:users

Retrieves a specific user.

```
GET /users/{userId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	userId	Public Id of user	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">UserResponse</a>

## Consumes

- application/json

## Produces

- application/json

Updates an existing user.

```
PUT /users/{userId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		false	<a href="#">UpdateUserRequest</a>	

Type	Name	Description	Required	Schema	Default
PathParameter	userId	Public Id of user	true	string	

## Responses

HTTP Code	Description	Schema
200	success	<a href="#">UserResponse</a>
404	User with the given user id does not exist	No Content

## Consumes

- application/json

## Produces

- application/json

**Deletes an existing user. It is not possible to delete a user that has created existing working environments. It is not possible to delete the logged in user.**

```
DELETE /users/{userId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	userId	Public Id of the user to be deleted	true	string	

## Responses

HTTP Code	Description	Schema
404	User with the given user id does not exist	No Content

## Consumes

- application/json

## Produces

- application/json

**Creates a new user.**

POST /users

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		true	<a href="#">UserRequest</a>	

### Responses

HTTP Code	Description	Schema
200	success	<a href="#">UserResponse</a>
404	Either the provided tenant or role assigned to the new user does not exist	No Content

### Consumes

- application/json

### Produces

- application/json

Retrieves all users visible to the current user.

GET /users

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">UserResponse</a> array

### Consumes

- application/json

### Produces

- application/json

Add existing NetApp Cloud Central user to Cloud Manager.

POST /users/add-user



### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		true	<a href="#">AddPortalUserRequest</a>	

### Responses

HTTP Code	Description	Schema
200	success	<a href="#">UserResponse</a>
404	Either the provided tenant or role assigned to the new user does not exist	No Content

### Consumes

- application/json

### Produces

- application/json

### Remove user from Cloud Manager.

```
DELETE /users/{userId}/remove-user
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	userId	Public Id of user	true	string	

### Consumes

- application/json

### Produces

- application/json

### Resets the password of the given user.

```
PUT /users/{userId}/reset-password
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	userId	Public Id of the user whose password is to be reset	true	string	
BodyParameter	body	Reset password request	true	<a href="#">ResetUserPasswordRequest</a>	

## Responses

HTTP Code	Description	Schema
403	The current user does not have permissions to perform this operation for the given user	No Content

## Consumes

- application/json

## Produces

- application/json

**Grants or revokes permissions to the given user for performing operations over the given working environments.**

```
POST /users/{userId}/working-environments-grant-revoke
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body		false	<a href="#">GrantPermission</a>	
PathParameter	userId	Public Id of the user whose permissions are to be changed	true	string	

## Responses

HTTP Code	Description	Schema
404	User with the given user id does not exist	No Content

## Consumes

- application/json

## Produces

- application/json

## Vsa:aggregates

### Adds disks to an existing aggregate

```
POST /vsa/aggregates/{workingEnvironmentId}/{aggregateName}/disks
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	aggregateName	Name of aggregate to be updated	true	string	
BodyParameter	body	Add disk to aggregate request	true	<a href="#">AddDisksToAggregateRequest</a>	

## Consumes

- application/json

## Produces

- application/json

### Deletes an existing aggregate

```
DELETE /vsa/aggregates/{workingEnvironmentId}/{aggregateName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	aggregateName	Name of aggregate to be deleted	true	string	

### Consumes

- application/json

### Produces

- application/json

### Creates a new aggregate

```
POST /vsa/aggregates
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Create Aggregate Request	true	<a href="#">VsaAggregateCreateRequest</a>	

### Consumes

- application/json

### Produces

- application/json

### Retrieves aggregates

```
GET /vsa/aggregates
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Public Id of working environment	false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">AggregateResponse</a> array

### Consumes

- application/json

## Produces

- application/json

## Vsa:discovery

Saves a previously discovered Cloud Volumes ONTAP working environment to the Cloud Manager database.

```
POST /vsa/recover
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Working environment	true	<a href="#">RecoverVsaRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaWorkingEnvironmentResponse</a>

## Consumes

- application/json

## Produces

- application/json

Retrieves a list of discovered working environments visible to the current user in the specified AWS region.

```
GET /vsa/discover
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region	Region to discover working environments	true	string	
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">DiscoveredVsaResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Vsa:encryption

### Updates the client certificate on the Cloud Volumes ONTAP system

```
POST /vsa/encryption/{workingEnvironmentId}/update-client-certificate
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CertificateResponse</a>

## Consumes

- application/json

## Produces

- application/json

### Adds a key manager to the Cloud Volumes ONTAP system

```
POST /vsa/encryption/{workingEnvironmentId}/key-managers/{keyManagerIp}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	keyManagerIp	Key manager IP address	true	string	

### Consumes

- application/json

### Produces

- application/json

### Deletes a key manager from the Cloud Volumes ONTAP system

```
DELETE /vsa/encryption/{workingEnvironmentId}/key-managers/{keyManagerIp}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
PathParameter	keyManagerIp	Key manager IP address	true	string	

### Consumes

- application/json

### Produces

- application/json

### Updates the key manager CA certificate on the Cloud Volumes ONTAP system

```
POST /vsa/encryption/{workingEnvironmentId}/update-key-manager-ca-certificate
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Update Cloud Volumes ONTAP key manager CA certificate request parameters	true	<a href="#">UpdateKeyManagerCaCertificateRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CertificateResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Vsa:metadata

### Retrieve S3 buckets summary

```
GET /vsa/metadata/s3-summary
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">S3Summary</a>

## Consumes

- application/json

## Produces

- application/json

### Retrieves AWS user Key Pairs for specific region

```
GET /vsa/metadata/key-pairs
```



## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	roleArn		false	string	
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	string array

## Consumes

- application/json

## Produces

- application/json

## Create new S3 bucket

```
POST /vsa/metadata/create-bucket
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	bucketName		true	string	

## Consumes

- application/json

## Produces

- application/json

## Retrieves instance types not supporting acceleration and capacity tiering

```
GET /vsa/metadata/instance-types-not-supporting-acceleration-and-capacity-tiering
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">InstanceTypesNotSupportingAccelerationAndCapacityTieringResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Retrieves all the Tag names

```
GET /vsa/metadata/tag-keys
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	roleArn		false	string	
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">TagKeyResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieve S3 buckets policy status and tiering level

```
POST /vsa/metadata/get-buckets-application-info
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Request for retrieving Buckets Additional info	true	<a href="#">BucketsPolicyAndTieringInfoRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">BucketAdditionalData</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieves supported EBS volume types

```
GET /vsa/metadata/ebs-volume-types
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">EbsVolumeType</a> array

## Consumes

- application/json

## Produces

- application/json

**Retrieves all Cloud Manager manifests. Refer to the API Developers Guide in order to understand how to extract valid region codes, license types, instance types and Cloud Volumes ONTAP version parameters for the creation of a Cloud Volumes ONTAP working environment.**

```
GET /vsa/metadata/manifests
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">MetadataResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieves the minimum number of required IPs for a single Cloud Volumes ONTAP system, an HA node, and HA mediator**

```
GET /vsa/metadata/network-requirements
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">NetworkRequirementsResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieves AWS instance profiles**

```
GET /vsa/metadata/instance-profiles
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	roleArn		false	string	
QueryParameter	cloudProviderAccountid		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">InstanceProfileResponse</a> array

### Consumes

- application/json

## Produces

- application/json

## Retrieves AWS user Key Pairs for all regions

```
GET /vsa/metadata/key-pairs-by-region
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	roleArn		false	string	
QueryParameter	cloudProviderAc countId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">KeyPairsByRegionResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Retrieves AWS encryption keys for specific region

```
GET /vsa/metadata/aws-encryption-keys
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	roleArn		false	string	
QueryParameter	cloudProviderAc countId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AwsEncryptionKey</a> array

### Consumes

- application/json

### Produces

- application/json

### Retrieves supported features

```
GET /vsa/metadata/supported-features
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	ontapVersion		true	string	
QueryParameter	dataEncryptionType		true	string	
QueryParameter	licenseType		true	string	
QueryParameter	instanceType		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportedFeaturesResponse</a>

### Consumes

- application/json

### Produces

- application/json

### Validates the current user is subscribed to Cloud Volumes ONTAP product in Amazon marketplace

```
POST /vsa/metadata/validate-subscribed-to-ontap-cloud
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Validate subscribed to Cloud Volumes ONTAP request	true	<a href="#">AwsValidateSubscribedToOntapCloudRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">AwsValidateSubscribedToOntapCloudResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Retrieves default snapshot policies available on a cluster

```
GET /vsa/metadata/default-snapshot-policies
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SnapshotPolicy</a> array

## Consumes

- application/json

## Produces

- application/json

## Retrieve all S3 buckets with additional info

```
GET /vsa/metadata/get-buckets-details
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">S3BucketsSummary</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieves AWS regions over which an Cloud Volumes ONTAP working environment may be created**

```
GET /vsa/metadata/regions
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">Region</a> array

### Consumes

- application/json

### Produces

- application/json

**Retrieve all S3 buckets**

```
GET /vsa/metadata/buckets
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	tagsRequired		false	boolean	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">S3BucketInfo</a> array

### Consumes

- application/json

### Produces

- application/json



## Retrieves supported capacity tiers for EBS volume types

```
GET /vsa/metadata/supported-capacity-tiers
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	ontapVersion		true	string	
QueryParameter	dataEncryptionType		true	string	
QueryParameter	licenseType		true	string	
QueryParameter	instanceType		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportedCapacityTiers</a>

### Consumes

- application/json

### Produces

- application/json

## Retrieves packages configuration

```
GET /vsa/metadata/packages
```

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">PackageInfoResponse</a> array

### Consumes

- application/json

### Produces

- application/json

**Retrieves all Cloud Volumes ONTAP configurations.**

```
GET /vsa/metadata/permutations
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region	Filter by region	false	string	
QueryParameter	version	Filter by version	false	string	
QueryParameter	license	Filter by license	false	string	
QueryParameter	instance_type	Filter by instance type	false	string	
QueryParameter	default_instance_type	Filter by default instance type	false	string	
QueryParameter	feature	Filter by feature	false	string	
QueryParameter	latest_only	Filter latest only	false	string	
QueryParameter	ami	Filter by ami id	false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">Configuration</a> array

### Consumes

- application/json

### Produces

- application/json

### Retrieves VPCs

```
GET /vsa/metadata/vpcs
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	region		true	string	
QueryParameter	roleArn		false	string	
QueryParameter	cloudProviderAccountId		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VpcExtendedResponse</a> array

## Consumes

- application/json

## Produces

- application/json

## Vsa:volumes

**Quotes a new volume. Returns a resource quote needed to satisfy the requested volume.Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
POST /vsa/volumes/quote
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Quote volume request	true	<a href="#">VsaVolumeQuoteRequest</a>	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaVolumeQuoteResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Retrieves volumes for Backup Activation.Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
GET /vsa/volumes/volumes-for-backup
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Filter volumes by this working environment	true	string	
QueryParameter	offset	offset	false	integer (int32)	
QueryParameter	limit	limit	false	integer (int32)	
QueryParameter	search	search	false	string	
QueryParameter	filterBy	filterBy should be of the form field:value. For multiple filters use comma separator.	false	ref	
QueryParameter	sortBy	sortBy should be of the form field:Asc or field:Desc. For multiple sorting use comma separator.	false	ref	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VolumesListForBackup</a>

## Consumes

- application/json

## Produces

- application/json

**Create snapshot manually.** Operation may only be performed on working environments whose status is: **ON, DEGRADED**

```
POST /vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshot
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	

Type	Name	Description	Required	Schema	Default
PathParameter	volumeName		true	string	
BodyParameter	body	Create snapshot request	true	<a href="#">SnapshotCreate Request</a>	

### Consumes

- application/json

### Produces

- application/json

**Delete snapshot manually.**Operation may only be performed on working environments whose status is: **ON, DEGRADED**

```
DELETE /vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshot
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body	Create snapshot request	true	<a href="#">SnapshotDelete Request</a>	

### Consumes

- application/json

### Produces

- application/json

**Creates a new volume.** If the properties **aggregateName** and **maxNumOfDisksApprovedToAdd** are not filled in, then the response will fail with a suggested aggregate name and the number of disks that will need to be created in order to fulfill the request.Operation may only be performed on working environments whose status is: **ON, DEGRADED**

```
POST /vsa/volumes
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	createAggregateIfNotFound	On create volume request, allow creating not-found aggregate	false	boolean	
BodyParameter	body	Create volume request	true	<a href="#">VsaVolumeCreateRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Retrieves volumes.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
GET /vsa/volumes
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	workingEnvironmentId	Filter volumes by this working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VolumeResponse</a> array

### Consumes

- application/json

### Produces

- application/json

### Add ISCSI initiator.

```
POST /vsa/volumes/initiator
```

## Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	ISCSI initiator request	true	<a href="#">Initiator</a>	

## Consumes

- application/json

## Produces

- application/json

## Get all ISCSI initiators.

```
GET /vsa/volumes/initiator
```

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">InitiatorEntry</a> array

## Consumes

- application/json

## Produces

- application/json

**Clones an existing volume.Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
POST /vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/clone
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">VolumeCloneRe quest</a>	

## Consumes

- application/json

## Produces

- application/json

**Change underlying volume tier.**Operation may only be performed on working environments whose status is: **ON, DEGRADED**

```
POST /vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/change-tier
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">ChangeVolumeTierRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Return a list of snapshot descriptions for the volume.**Operation may only be performed on working environments whose status is: **ON, DEGRADED**

```
GET /vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/snapshots
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	



## Responses

HTTP Code	Description	Schema
default	success	<a href="#">SnapshotResponse</a> array

## Consumes

- application/json

## Produces

- application/json

**Move an existing volume.**Operation may only be performed on working environments whose status is: **ON, DEGRADED**

```
POST /vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}/move
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	
BodyParameter	body		true	<a href="#">VolumeMoveRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## Get all igroups.

```
GET /vsa/volumes/igroups/{workingEnvironmentId}/{svmName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

Type	Name	Description	Required	Schema	Default
PathParameter	svmName		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">IGroup</a> array

## Consumes

- application/json

## Produces

- application/json

**Modify an existing volume.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
PUT /vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	ref	
BodyParameter	body	Modify volume request	true	<a href="#">VolumeModifyRe quest</a>	

## Consumes

- application/json

## Produces

- application/json

**Deletes an existing volume.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
DELETE /vsa/volumes/{workingEnvironmentId}/{svmName}/{volumeName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	
PathParameter	svmName		true	string	
PathParameter	volumeName		true	string	

## Consumes

- application/json

## Produces

- application/json

## Vsa:working-environments

### Register extra capacity serials.

```
POST /vsa/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	licenses serial(s)	true	<a href="#">LicensesSerials</a>	

## Consumes

- application/json

## Produces

- application/json

### Update extra capacity serials.

```
PUT /vsa/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity serial(s)	true	<a href="#">LicensesSerials</a>	

## Consumes

- application/json

## Produces

- application/json

## Delete extra capacity licenses by serials.

```
DELETE /vsa/working-environments/{workingEnvironmentId}/extra-capacity-serials
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity serial(s)	true	<a href="#">LicensesSerials</a>	

## Consumes

- application/json

## Produces

- application/json

## Starts a specific Cloud Volumes ONTAP instance. Operation may only be performed on working environments whose status is: OFF

```
POST /vsa/working-environments/{workingEnvironmentId}/start
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

#### Consumes

- application/json

#### Produces

- application/json

**Setup a new CIFS Configuration to an existing Cloud Volumes ONTAP working environment. Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
POST /vsa/working-environments/{workingEnvironmentId}/cifs
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSConfigurationRequest</a>	

#### Consumes

- application/json

#### Produces

- application/json

**Retrieves CIFS Configuration to an existing Cloud Volumes ONTAP working environment. Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
GET /vsa/working-environments/{workingEnvironmentId}/cifs
```

#### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

Type	Name	Description	Required	Schema	Default
QueryParameter	svm		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CIFSConfigurationResponse</a> array

## Consumes

- application/json

## Produces

- application/json

**Retrieves action parameters used in create request of a given Cloud Volumes ONTAP instance.**

```
GET /vsa/working-environments/{workingEnvironmentId}/create-request-parameters
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">CreateRequestParametersResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Delete CIFS Configuration of an existing Cloud Volumes ONTAP working environment. Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
POST /vsa/working-environments/{workingEnvironmentId}/delete-cifs
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSDeleteRequest</a>	

## Consumes

- application/json

## Produces

- application/json

## List start-stop schedules for Cloud Volumes ONTAP.

```
GET /vsa/working-environments/{workingEnvironmentId}/schedules
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaSchedule</a> array

## Consumes

- application/json

## Produces

- application/json

## Set schedules for Cloud Volumes ONTAP.

```
PUT /vsa/working-environments/{workingEnvironmentId}/schedules
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Cloud Volumes ONTAP working environment update schedule request	true	<a href="#">VsaSchedulesRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Retrieves a list of versions to which this Cloud Volumes ONTAP can be upgraded. Operation may only be performed on working environments whose status is: ON**

```
GET /vsa/working-environments/{workingEnvironmentId}/occm-provided-upgrade-versions
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">OntapUpdateImageMetadata</a> array

## Consumes

- application/json

## Produces

- application/json



**Disable FPolicy for ransomware files.**Operation may only be performed on working environments whose status is: **ON, DEGRADED**

```
PUT /vsa/working-environments/{workingEnvironmentId}/disable-fpolicy
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	

### Consumes

- application/json

### Produces

- application/json

**Creates a new Cloud Volumes ONTAP working environment. Refer to the API Developers Guide in order to understand how to fill in the values for region, licenseType, instanceType and version.**

```
POST /vsa/working-environments
```

### Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	body	Working environment	true	<a href="#">CreateVSAWorkingEnvironmentRequest</a>	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaWorkingEnvironmentResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieves Cloud Volumes ONTAP working environments visible to the currently logged in user.**

```
GET /vsa/working-environments
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	
QueryParameter	tenantId		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaWorkingEnvironmentResponse</a> array

### Consumes

- application/json

### Produces

- application/json

Retrieves images already installed on the Cloud Volumes ONTAP. Operation may only be performed on working environments whose status is: ON, DEGRADED

```
GET /vsa/working-environments/{workingEnvironmentId}/ontap-available-images
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">UpdateLocalImage</a> array

### Consumes

- application/json

## Produces

- application/json

Retrieves all license types and their associated instance types for a given Cloud Volumes ONTAP instance.

```
GET /vsa/working-environments/{workingEnvironmentId}/license-instance-type
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">LicenseAndInstanceType</a> array

## Consumes

- application/json

## Produces

- application/json

Sets the instance type of a specific Cloud Volumes ONTAP. Operation may only be performed on working environments whose status is: ON, OFF

```
PUT /vsa/working-environments/{workingEnvironmentId}/license-instance-type
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Instance type modification request	true	<a href="#">LicenseAndInstanceTypeModificationRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Create snapshot policy.**Operation may only be performed on working environments whose status is: **ON, DEGRADED**

```
POST /vsa/working-environments/{workingEnvironmentId}/snapshot-policy
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId		true	string	
BodyParameter	body	Create snapshot policy request	true	<a href="#">SnapshotPolicyC reateRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Registers a Cloud Volumes ONTAP system with NetApp.**Operation may only be performed on working environments whose status is: **ON**

```
POST /vsa/working-environments/{workingEnvironmentId}/support-registration
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	
QueryParameter	nssAccountId		false	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportRegistrationResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Retrieves the support registration status of a Cloud Volumes ONTAP system. Operation may only be performed on working environments whose status is: ON**

```
GET /vsa/working-environments/{workingEnvironmentId}/support-registration
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">SupportRegistrationResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Enable capacity tiering. Operation may only be performed on working environments whose status is: ON**

```
POST /vsa/working-environments/{workingEnvironmentId}/enable-capacity-tiering
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Enable capacity tiering request	false	<a href="#">EnableCapacityTieringRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Setup NTP server.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST /vsa/working-environments/{workingEnvironmentId}/ntp
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	
BodyParameter	body	NTP Configuration request	true	<a href="#">NTPConfigurationRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Register extra capacity license.**

```
POST /vsa/working-environments/{workingEnvironmentId}/extra-capacity-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity licenses(s)	true	<a href="#">LicensesContent</a>	

### Consumes

- application/json

### Produces

- application/json

### Get extra capacity licenses for cvo.

```
GET /vsa/working-environments/{workingEnvironmentId}/extra-capacity-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Consumes

- application/json

### Produces

- application/json

### Update extra capacity license.

```
PUT /vsa/working-environments/{workingEnvironmentId}/extra-capacity-licenses
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	extra capacity license(s)	true	<a href="#">LicensesContent</a>	

### Consumes

- application/json

## Produces

- application/json

**Stops a specific Cloud Volumes ONTAP instance.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST /vsa/working-environments/{workingEnvironmentId}/stop
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	takeSnapshots	Take snapshots before stopping Cloud Volumes ONTAP	true	boolean	true

## Consumes

- application/json

## Produces

- application/json

**Retrieves an Cloud Volumes ONTAP working environment.**

```
GET /vsa/working-environments/{workingEnvironmentId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	
PathParameter	workingEnvironmentId		true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">VsaWorkingEnvironmentResponse</a>



### Consumes

- application/json

### Produces

- application/json

**Deletes an existing Cloud Volumes ONTAP working environment, including all Cloud resources created for this working environment (unless the localDelete flag is set to true).**

```
DELETE /vsa/working-environments/{workingEnvironmentId}
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	
QueryParameter	localDelete	If true, the Cloud Volumes ONTAP instance is not terminated in Cloud, but Cloud Manager no longer manages the working environment.	false	boolean	false
QueryParameter	forceDelete	If true, the working environment will be deleted even if it is part of one or more SnapMirror relationships.	false	boolean	false

### Consumes

- application/json

### Produces

- application/json

**Retrieves editable tags for cloud resources of a given Cloud Volumes ONTAP instance. Operation may only be performed on working environments whose status is: ON, DEGRADED, OFF**

```
GET /vsa/working-environments/{workingEnvironmentId}/user-tags
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">UserTagsResponse</a>

## Consumes

- application/json

## Produces

- application/json

**Modify user tags for cloud resources of a given Cloud Volumes ONTAP instance.**Operation may only be performed on working environments whose status is: ON, DEGRADED, OFF

```
PUT /vsa/working-environments/{workingEnvironmentId}/user-tags
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Modify user tags request	true	<a href="#">ModifyUserTagsRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Sets the writing speed for Cloud Volumes ONTAP.**Operation may only be performed on working environments whose status is: ON

```
PUT /vsa/working-environments/{workingEnvironmentId}/writing-speed
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Writing speed request	true	<a href="#">WritingSpeedRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Activate FPolicy for ransomware files.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
PUT /vsa/working-environments/{workingEnvironmentId}/activate-fpolicy
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

## Consumes

- application/json

## Produces

- application/json

**Activate snapshot policy assignment to all not protected rw volumes.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
PUT /vsa/working-environments/{workingEnvironmentId}/activate-snapshot-policy
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Consumes

- application/json

### Produces

- application/json

**Modify the svm name of the Cloud Volumes ONTAP.**Operation may only be performed on working environments whose status is: ON

```
PUT /vsa/working-environments/{workingEnvironmentId}/svm
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Svm name modification request	true	<a href="#">SvmNameModificationRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Sets the cluster password of a specific Cloud Volumes ONTAP.**

```
PUT /vsa/working-environments/{workingEnvironmentId}/set-password
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

Type	Name	Description	Required	Schema	Default
QueryParameter	occmOnly		false	boolean	
BodyParameter	body	Set password request	true	<a href="#">PasswordWrapper</a>	

### Consumes

- application/json

### Produces

- application/json

**Modify the net port broadcast domain mtu of the Cloud Volumes ONTAP.Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
PUT /vsa/working-environments/{workingEnvironmentId}/networkOptimization
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Use optimization	true	<a href="#">ChangeNetworkOptimizationRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Updates Cloud Manager password of a specific Cloud Volumes ONTAP.Operation may only be performed on working environments whose status is: ON**

```
PUT /vsa/working-environments/{workingEnvironmentId}/update-credentials
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Update Cloud Manager password request	true	<a href="#">UpdateCredentialsRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Change serial number of Cloud Volumes ONTAP.**Operation may only be performed on working environments whose status is: ON

```
POST /vsa/working-environments/{workingEnvironmentId}/change-serial
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Change serial number request	true	<a href="#">ChangeSerialNumberRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Setup a new CIFS using workgroup configuration to an existing Cloud Volumes ONTAP working environment.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
POST /vsa/working-environments/{workingEnvironmentId}/cifs-workgroup
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	CIFS Configuration request	true	<a href="#">CIFSWorkgroup ConfigurationRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Parses an uploaded Cloud license file.**

```
POST /vsa/working-environments/parse-license-file
```

## Parameters

Type	Name	Description	Required	Schema	Default
HeaderParameter	filename	Cloud license file name	false	string	
BodyParameter	license	license	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">ProvidedLicenseResponse</a>

## Consumes

- multipart/form-data

## Produces

- application/json

**Activate offbox configuration. Operation may only be performed on working environments whose status is: ON**

```
PUT /vsa/working-environments/{workingEnvironmentId}/offbox
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Consumes

- application/json

## Produces

- application/json

**Updates default vscan file operation profile. Profile on existing CIFS shares will change only on writes-only mode. Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
PUT /vsa/working-environments/{workingEnvironmentId}/vscan-file-op
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Vscan file-operation Request	true	<a href="#">VscanFileOpRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Change tier level. Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
POST /vsa/working-environments/{workingEnvironmentId}/change-tier-level
```

## Parameters



Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	Change tier level request	true	<a href="#">ChangeTierLevelRequest</a>	

### Consumes

- application/json

### Produces

- application/json

**Working Environment Ontap Saving.**Operation may only be performed on working environments whose status is: ON, DEGRADED

```
GET /vsa/working-environments/{workingEnvironmentId}/ontap-saving
```

### Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">WorkingEnvironmentOntapSavingResponse</a>

### Consumes

- application/json

### Produces

- application/json

**Uploads a Cloud license file on the provided Cloud Volumes ONTAP.**Operation may only be performed on working environments whose status is: ON

```
POST /vsa/working-environments/{workingEnvironmentId}/upload-license-file
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
HeaderParameter	filename	Cloud license file name	false	string	
BodyParameter	license	license	false	string	

## Consumes

- multipart/form-data

## Produces

- application/json

**Manually triggers subscription sync for all Cloud Volumes ONTAP working environments. Operation may only be performed on working environments whose status is: ON**

```
POST /vsa/working-environments/sync-subscription
```

## Consumes

- application/json

## Produces

- application/json

**Delete FPolicy for ransomware files. Operation may only be performed on working environments whose status is: ON, DEGRADED**

```
DELETE /vsa/working-environments/{workingEnvironmentId}/fpolicy
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId		true	string	

## Consumes

- application/json

## Produces

- application/json

## Working Environment Cost And Usage.

```
GET /vsa/working-environments/{workingEnvironmentId}/cost-and-usage
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
QueryParameter	start	cost and usage start period	false	string	
QueryParameter	end	cost and usage end period	false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">WorkingEnvironmentCostAndUsageResponse</a>

## Consumes

- application/json

## Produces

- application/json

Retrieves eligibility support status of a Cloud Volumes ONTAP system. Valid values - NSS\_NOT\_VALID, NOT\_REGISTERED, IPA\_PROBLEM, VALID, NSS\_NOT\_EXISTS, LICENSE\_EXPIRED. Operation may only be performed on working environments whose status is: ON, UPDATING

```
GET /vsa/working-environments/{workingEnvironmentId}/update-eligibility
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	

## Responses

HTTP Code	Description	Schema
200	success	<a href="#">EligibilityResponse</a>
400	Working Environment must be ON or UPDATING in order to check eligibility	No Content

## Consumes

- application/json

## Produces

- application/json

**Performs a complete image update operation on the single node of the specified Cloud Volumes ONTAP.Operation may only be performed on working environments whose status is: ON**

```
POST /vsa/working-environments/{workingEnvironmentId}/update-image
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironm entId	Public Id of working environment	true	string	
BodyParameter	body	Update system image request	true	<a href="#">UpdateSystemIm ageRequest</a>	

## Consumes

- application/json

## Produces

- application/json

**Uploads a Cloud license file content on the provided Cloud Volumes ONTAP.Operation may only be performed on working environments whose status is: ON**

```
POST /vsa/working-environments/{workingEnvironmentId}/upload-licenses
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentId	Public Id of working environment	true	string	
BodyParameter	body	license file content request	true	<a href="#">LicenseFileContent</a>	

### Consumes

- application/json

### Produces

- application/json

### Working-environments

Retrieves an Cloud Volumes ONTAP working environment.

```
GET /working-environments/{workingEnvironmentId}
```

### Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	fields		false	string	
PathParameter	workingEnvironmentId		true	string	

### Responses

HTTP Code	Description	Schema
default	success	<a href="#">GenericVsaWorkingEnvironmentResponse</a>

### Consumes

- application/json

### Produces

- application/json

Returns true if working environment with that name already exists, false otherwise.

```
GET /working-environments/exists/{workingEnvironmentName}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	workingEnvironmentName	Working environment name	true	string	

## Responses

HTTP Code	Description	Schema
default	success	boolean

## Consumes

- application/json

## Produces

- application/json

Retrieves all working environments.

```
GET /working-environments
```

## Parameters

Type	Name	Description	Required	Schema	Default
QueryParameter	tenantId	Filter working environments by tenantId. Required for Oncloud Admin if performing operation requesting specific fields	false	string	
QueryParameter	fields		false	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">WorkingEnvironments</a>

## Consumes

- application/json

## Produces

- application/json

Returns all non prem working environment actions required in a given tenant.

```
GET /working-environments/actionRequired/{tenantId}
```

## Parameters

Type	Name	Description	Required	Schema	Default
PathParameter	tenantId	Public Id of tenant	true	string	

## Responses

HTTP Code	Description	Schema
default	success	<a href="#">TenantActionsRequiredResponse</a>

## Consumes

- application/json

## Produces

- application/json

## Definitions

This section describes existing data format definitions.

## About

Name	Description	Required	Schema	Default
version		true	string	
build		true	string	
buildTimestamp		true	integer (int64)	
systemId		true	string	
environment		true	string	
siteIdentifier		true	<a href="#">SiteIdentifier</a>	
serverTimeZone		true	<a href="#">ServerTimeZone</a>	
beta		true	boolean	
releaseNumber		true	integer (int32)	
simplicatorUrl		true	string	

Name	Description	Required	Schema	Default
migrationPerformed		true	boolean	
demoMode		true	boolean	
usingDockerInfra		true	boolean	
privateIp		true	string	

### AccountWorkingEnvironmentResponse

Name	Description	Required	Schema	Default
publicId		true	string	
name		true	string	
workingEnvironmentType		true	string	

### ActionRequired

Name	Description	Required	Schema	Default
actionType	The type of the Action	true	string	
parameters	The relevant parameters of the action	true	<a href="#">ActionRequiredParameters</a>	
severity	Action Severity	true	string	

### ActionRequiredParameters

Name	Description	Required	Schema	Default
aggregateName	Aggregate name	true	string	
numOfDisks	Number of disks relevant to the action	true	integer (int32)	
diskSize	The size of the disks needed	true	<a href="#">Capacity</a>	
volumeNames	A limited list of volumes on the aggregate	true	string array	
maxCapacity	The maximum capacity of the Cloud Volumes ONTAP instance	true	<a href="#">Capacity</a>	
licenseExpiryDate	License expiry date	true	integer (int64)	
serialNumber	Platform Serial number	true	string	



Name	Description	Required	Schema	Default
volumeMoveParameters	Volume Move Parameters	false	<a href="#">VolumeMoveParameters</a>	
workingEnvironmentId	Working environment public id	true	string	
licenseParameters	License and instance parameters	false	<a href="#">ChangeLicenseParameters</a>	
resourcesToDelete	Resources to delete if not been utilized	false	<a href="#">ResourcesToDelete</a>	
instances	Instances info	true	<a href="#">InstanceNameIdAndType</a> array	
moreInfo	More info	false	string	
providerVolumeType	Provider volume type	false	string	
volumeInfo	volume Information	false	<a href="#">VolumeInfo</a>	
currentInstanceType	Current instance type	false	string	
composite		true	boolean	

### AddAwsRegionsRequest

Name	Description	Required	Schema	Default
newRegions		true	<a href="#">[List[Region]]</a>	

### AddDisksToAggregateRequest

Name	Description	Required	Schema	Default
numberOfDisks	Number of Disks	true	integer (int32)	

### AddInstanceTypesRequest

Name	Description	Required	Schema	Default
newInstanceTypes		true	string array	

### AddPortalUserRequest

Name	Description	Required	Schema	Default
email	User email address	true	string	
roleId	Role ID of the user	true	string	
tenantId	Tenant ID of the user	false	string	

## AddTenantRequest

Name	Description	Required	Schema	Default
name	Tenant name	true	string	
description	Tenant description	false	string	
costCenter	Tenant cost center	false	string	
nssKeys	NSS keys	false	<a href="#">SetNssKeysRequest</a>	

## AggregateResponse

Name	Description	Required	Schema	Default
name	Aggregate name	true	string	
availableCapacity	Available capacity	true	<a href="#">Capacity</a>	
totalCapacity	Total capacity	true	<a href="#">Capacity</a>	
usedCapacity	Used capacity	true	<a href="#">Capacity</a>	
volumes	Volumes	true	<a href="#">Volume</a> array	
providerVolumes	Provider volumes	true	<a href="#">ProviderVolumeResponse</a> array	
disks	Disks	true	<a href="#">Disk</a> array	
state	State	true	string	
encryptionType	Encryption Type	true	string	
encryptionKeyId	Encryption Key	false	string	
homeNode	Home node	true	string	
ownerNode	Owner node	true	string	
capacityTier	Capacity tier	false	enum (S3, Blob, cloudStorage)	
capacityTierUsed	Object store used	false	<a href="#">Capacity</a>	
sidlEnabled	SIDL enabled	true	boolean	
snaplockType	Snaplock type	true	enum (non_snaplock, compliance, enterprise)	
root		true	boolean	

## AllRelationships

Name	Description	Required	Schema	Default
relationships		true	<a href="#">SourceTarget</a> array	

### AllowedValuesForVolumesListFilter

Name	Description	Required	Schema	Default
volumeTypes		true	string array	
diskTypes		true	string array	
svmNames		true	string array	
volumeStatus		true	string array	

### AssociatedSubscription

Name	Description	Required	Schema	Default
subscriptionId		true	string	
name		true	string	
default		true	boolean	
saasSubscriptionId		false	string	
highAvailabilityEnabled		false	boolean	

### AssumeRole

Name	Description	Required	Schema	Default
roleName		true	string	
accountId		true	string	
gov		true	boolean	

### AsupConfiguration

Name	Description	Required	Schema	Default
enabled		true	boolean	
site		true	string	
company		true	string	
hostName		true	string	
os		true	string	
schedule		true	<a href="#">AsupSchedule</a>	
url		true	string	

### AsupConfigurationRequest

Name	Description	Required	Schema	Default
enabled		true	boolean	

Name	Description	Required	Schema	Default
schedule		false	<a href="#">AsupSchedule</a>	

### AsupInterval

Name	Description	Required	Schema	Default
length		true	integer (int32)	
unit		true	string	

### AsupSchedule

Name	Description	Required	Schema	Default
dayOfWeek		true	integer (int32)	
hourOfDay		true	integer (int32)	
interval		true	<a href="#">AsupInterval</a>	
minuteOfHour		true	integer (int32)	

### AuditGroupSummary

Name	Description	Required	Schema	Default
_id		false	integer (int32)	
id	Audit group public ID	false	string	
requestId	Request ID of action associated with audit group	false	string	
startDate	Start date	false	integer (int64)	
endDate	End date	false	integer (int64)	
actionName	Audit group name	false	string	
status	Audit group status	false	string	
userName	Name of user who performed the action	false	string	
tenantName	Name of tenant	false	string	
workingEnvironment Name	Name of working environment related to the user action	false	string	
actionParameters	Parameters of the user action	false	string	
records	List of audit records	false	<a href="#">AuditGroupSummary Record</a> array	

Name	Description	Required	Schema	Default
errorMessage	Audit failure information (if relevant)	false	string	
version	Version of Cloud Manager used to create this audit	false	string	
parentId		false	integer (int32)	
userId		false	string	
workingEnvironmentId		false	string	
containsFailedRecords		false	boolean	
containsRecords		false	boolean	

### AuditGroupSummaryRecord

Name	Description	Required	Schema	Default
id	Audit record public ID	false	string	
date	Date	false	integer (int64)	
actionName	Action	false	string	
status	Status	false	string	
parameters	Action parameters	false	string	
errorMessage	Audit failure information (if relevant)	false	string	
count	Aggregated count of similar records	false	integer (int32)	

### Auth0Information

Name	Description	Required	Schema	Default
domain		true	string	
audience		true	string	
clientId		true	string	

### AuthRequest

Name	Description	Required	Schema	Default
email		true	string	

Name	Description	Required	Schema	Default
password		true	string	

### AvailableIpsResponse

Name	Description	Required	Schema	Default
availableIps		true	integer (int32)	

### AwsAccessKeys

Name	Description	Required	Schema	Default
accessKey		false	string	
secretKey		false	string	

### AwsAccountRequest

Name	Description	Required	Schema	Default
accountName		true	string	
providerKeys		true	<a href="#">AwsKeysRequest</a>	
subscriptionId		false	string	

### AwsAccountResponse

Name	Description	Required	Schema	Default
publicId		true	string	
accountName		true	string	
accountType		true	string	
accountId		true	string	
accessKey		true	string	
assumeRole		false	<a href="#">AssumeRole</a>	
occmRole		false	string	
vsaList		true	<a href="#">AccountWorkingEnvironmentResponse</a> array	
subscriptionId		false	string	

### AwsCloudBackupSetupRequest

Name	Description	Required	Schema	Default
awsAccessKeys	AWS credentials to used by S3 Bucket	true	<a href="#">AwsAccessKeys</a>	

Name	Description	Required	Schema	Default
ipSpace	Ip Space	false	string	

### AwsDisksConstraints

Name	Description	Required	Schema	Default
numReservedDisksSingleNode		true	integer (int32)	
numReservedDisksHa		true	integer (int32)	
maxDisksSingleNode		true	integer (int32)	
maxDisksHa		true	integer (int32)	
numDisksWarnSingleNode		true	integer (int32)	
numDisksWarnHa		true	integer (int32)	
aggregatesNumToDiskSize		true	<a href="#">AggregateNumToDiskSize</a> array	
maxDisksSingleNodeKvm		true	integer (int32)	
maxDisksHaKvm		true	integer (int32)	
deltaDiskWarn		true	integer (int32)	

### AggregateNumToDiskSize

Name	Description	Required	Schema	Default
from		false	integer (int32)	
to		true	integer (int32)	
stepsUp		true	integer (int32)	

### AwsEncryption

Name	Description	Required	Schema	Default
kmsKeyId		false	string	
kmsKeyArn		false	string	

### AwsEncryptionKey

Name	Description	Required	Schema	Default
alias		false	string	
keyId		true	string	

Name	Description	Required	Schema	Default
status		true	string	
validTo		false	integer (int64)	
origin		false	string	
default		true	boolean	

### AwsHaFloatingIpValidationData

Name	Description	Required	Schema	Default
floatingIps		true	<a href="#">AwsHaFloatingIpValidationData:FloatingIps</a>	
routeTablesIds		true	string array	
vpclId		true	string	
region		true	string	
roleArn		false	string	
cloudProviderAccountId		false	string	

### AwsHaFloatingIpValidationResponse

Name	Description	Required	Schema	Default
result		true	boolean	
reasons		true	string array	

### AwsKeysRequest

Name	Description	Required	Schema	Default
awsAccessKeys		false	<a href="#">AwsAccessKeys</a>	
assumeRoleArn		false	string	

### AwsProperties

Name	Description	Required	Schema	Default
regionName		true	string	
availabilityZones		true	string array	
instances		true	<a href="#">InstanceResponse</a> array	
vpc		true	<a href="#">VpcBasicResponse</a>	
accountId		true	string	



Name	Description	Required	Schema	Default
roleArn		false	string	
cloudProviderAccountId		false	string	
bootDiskSize		false	integer (int32)	
outpostArn		false	string	
coreDiskExists		false	boolean	

### AwsTag

Name	Description	Required	Schema	Default
tagKey		true	string	
tagValue		false	string	

### AwsValidateSubscribedToOntapCloudRequest

Name	Description	Required	Schema	Default
region		true	string	
subnetId		true	string	
vsaMetadata		true	<a href="#">VsaMetadataRequest</a>	
roleArn		false	string	
cloudProviderAccount		false	string	
securityGroupId		false	string	

### AwsValidateSubscribedToOntapCloudResponse

Name	Description	Required	Schema	Default
failureInfo		false	string	
subscribed		true	boolean	

### AzureAccountRequest

Name	Description	Required	Schema	Default
accountName		true	string	
providerKeys		true	<a href="#">AzureKeys</a>	

### AzureAccountResponse

Name	Description	Required	Schema	Default
publicId		true	string	
accountName		true	string	
accountType		true	string	
tenantId		true	string	
applicationId		true	string	
occmRole		false	string	
vsaList		true	<a href="#">AccountWorkingEnvironmentResponse</a> array	

### AzureAvailabilitySet

Name	Description	Required	Schema	Default
faultDomain		true	integer (int32)	
updateDomain		true	integer (int32)	

### AzureAvailabilityZoneResponse

Name	Description	Required	Schema	Default
region	region value	true	string	
zones	zone values	true	integer (int32) array	

### AzureBlobContainer

Name	Description	Required	Schema	Default
id		true	string	
name		true	string	

### AzureCloudBackupSetupRequest

Name	Description	Required	Schema	Default
rgName	Azure Resource Group Name -by default will create new rg	false	string	
ipSpace	Ip Space	false	string	
region	Region -by default Cloud Manager region	false	string	

Name	Description	Required	Schema	Default
subscriptionId	Subscription Id -by default Cloud Manager azure subscription	false	string	

### AzureDataDiskResponse

Name	Description	Required	Schema	Default
name		true	string	
diskSizeGB		true	integer (int32)	
lun		true	integer (int32)	
id		true	string	
caching		true	string	
accountType		true	string	
managed		true	boolean	
encryptionSet		false	string	

### AzureDiskSize

Name	Description	Required	Schema	Default
size		true	<a href="#">Capacity</a>	
description		true	string	
supportedOccmLicenses		true	string array	
default		true	boolean	

### AzureDisksConstraints

Name	Description	Required	Schema	Default
numReservedDisksSingleNode		true	integer (int32)	

### AzureEncryption

Name	Description	Required	Schema	Default
key		true	string	
vaultName		true	string	

### AzureHaNodeInfo

Name	Description	Required	Schema	Default
instanceName		true	string	
instanceId		true	string	
primaryIp		true	string	
state		true	string	
serialNumber		true	string	
availabilitySet		true	<a href="#">AzureAvailabilitySet</a>	

### AzureHaParameters

Name	Description	Required	Schema	Default
platformSerialNumberNode1		false	string	
platformSerialNumberNode2		false	string	
enableHttps		true	boolean	

### AzureHaProperties

Name	Description	Required	Schema	Default
loadBalancerName		true	string	
haEnabledOnLbRules		true	boolean	
node1Info		true	<a href="#">AzureHaNodeInfo</a>	
node2Info		true	<a href="#">AzureHaNodeInfo</a>	
applicationSecurityGroupName		false	string	

### AzureKey

Name	Description	Required	Schema	Default
keyName	key name	true	string	
kid	key id	true	string	

### AzureKeyVault

Name	Description	Required	Schema	Default
name	vault name	true	string	
resourceGroup	resource group	true	string	
location	location	true	string	

Name	Description	Required	Schema	Default
vaultUri	vault uri	true	string	

### AzureKeys

Name	Description	Required	Schema	Default
tenantId		true	string	
applicationId		true	string	
applicationKey		true	string	

### AzureNetworkExtendedResponse

Name	Description	Required	Schema	Default
virtualNetworks		true	<a href="#">AzureVirtualNetworkResponse</a> array	
securityGroups		true	<a href="#">AzureSecurityGroupResponse</a> array	

### AzureNetworkRequirementsResponse

Name	Description	Required	Schema	Default
vsaMinimumRequire dlps		true	integer (int32)	
haVsaMinimumRequ iredlps		true	integer (int32)	

### AzureRegionResponse

Name	Description	Required	Schema	Default
displayName		true	string	
name		true	string	
vnets		false	<a href="#">AzureNetworkExtendedResponse</a>	

### AzureResourceGroupByRegionResponse

Name	Description	Required	Schema	Default
name		true	string	
id		true	string	

### AzureResourceGroupResponse

Name	Description	Required	Schema	Default
name		true	string	
location		true	string	
tags		true	Map[string,string]	

### AzureSecurityGroupResponse

Name	Description	Required	Schema	Default
id	Security Group Id	true	string	
name	Security Group Name	true	string	
resourceGroup	Resource Group	true	string	

### AzureStorageAccountTypeResponse

Name	Description	Required	Schema	Default
diskType		true	string	
availabilityTypes		true	string array	
sizes		true	<a href="#">AzureDiskSize</a> array	

### AzureSubnetResponse

Name	Description	Required	Schema	Default
id	Subnet Id	true	string	
cidr	CIDR	true	string	
name	Subnet name	true	string	
availableIps	The number of available IPs on the subnet	true	integer (int32)	
minimumRequiredIps	The minimum needed IP addresses for the Cloud Volumes ONTAP creation	true	integer (int32)	

### AzureTag

Name	Description	Required	Schema	Default
tagKey		true	string	
tagValue		false	string	

### AzureValidateSubscribedToOntapCloudRequest

Name	Description	Required	Schema	Default
region		true	string	
vsaMetadata		true	<a href="#">VsaMetadataRequest</a>	
subscriptionId		false	string	
cloudProviderAccount		false	string	

### AzureValidateSubscribedToOntapCloudResponse

Name	Description	Required	Schema	Default
failureInfo		false	string	
subscribed		true	boolean	

### AzureVirtualNetworkCidrData

Name	Description	Required	Schema	Default
cidr	CIDR	true	string	
subnets	Subnets	true	<a href="#">AzureSubnetResponse</a> array	

### AzureVirtualNetworkResponse

Name	Description	Required	Schema	Default
name	Virtual Network Name	true	string	
id	Virtual Network ID	true	string	
cidrs	CIDRs	true	<a href="#">AzureVirtualNetworkCidrData</a> array	
resourceGroup	Resource Group	true	string	
tags	Tags	true	<a href="#">TagResponse</a> array	

### AzureVsaWorkingEnvironmentResponse

Name	Description	Required	Schema	Default
publicId		true	string	
name		true	string	
tenantId		true	string	
svmName		false	string	

Name	Description	Required	Schema	Default
creatorUserEmail		true	string	
status		false	<a href="#">StatusProperties</a>	
providerProperties		false	<a href="#">ProviderProperties</a>	
reservedSize		false	<a href="#">Capacity</a>	
clusterProperties		false	<a href="#">VsaClusterProperties</a>	
ontapClusterProperties		false	<a href="#">OntapClusterProperties</a>	
cloudProviderName		true	string	
snapshotPolicies		false	<a href="#">SnapshotPolicy</a> array	
actionsRequired		false	<a href="#">ActionRequired</a> array	
activeActions	Actions currently being performed on this working environment	false	string array	
replicationProperties		false	<a href="#">ReplicationProperties</a>	
schedules		false	<a href="#">VsaSchedule</a> array	
svms		false	<a href="#">Svm</a> array	
workingEnvironmentType		true	string	
supportRegistrationProperties		false	<a href="#">SupportRegistrationProperties</a>	
supportRegistrationInformation		false	<a href="#">SupportRegistrationInformation</a> array	
capacityFeatures		false	<a href="#">CapacityFeatures</a>	
encryptionProperties		false	<a href="#">EncryptionProperties</a>	
supportedFeatures		false	<a href="#">SupportedFeatures</a>	
haProperties		false	<a href="#">AzureHaProperties</a>	
fpolicyProperties		false	<a href="#">FpolicyProperties</a>	
saasProperties		false	<a href="#">CvoSaasProperties</a>	
cbsProperties		false	<a href="#">CbsPropertiesWithReason</a>	
complianceProperties		false	<a href="#">CloudComplianceStatusResponse</a>	



Name	Description	Required	Schema	Default
monitoringProperties		false	<a href="#">MonitoringStatusResponse</a>	
licensesInformation		false	<a href="#">LicenseInformation</a> array	
hA		true	boolean	

### BroadcastDomainInfo

Name	Description	Required	Schema	Default
broadcastDomain		true	string	
ipSpace		true	string	
mtu		true	integer (int32)	

### BucketAdditionalData

Name	Description	Required	Schema	Default
bucketName		true	string	
tieringLevel		true	string	
accessData		true	string	

### BucketInformation

Name	Description	Required	Schema	Default
bucketName	Bucket's name	true	string	
fullPath	Object's full path	true	string	

### BucketsPolicyAndTieringInfoRequest

Name	Description	Required	Schema	Default
buckets		true	string array	

### CIFSConfigurationRequest

Name	Description	Required	Schema	Default
dnsDomain	DNS domain name	true	string	
ipAddresses	DNS server ip addresses	true	string array	
netBIOS	CIFS server NetBIOS name	true	string	

Name	Description	Required	Schema	Default
organizationalUnit	Organizational Unit to register in	true	string	
activeDirectoryDomain	Active Directory domain name	true	string	
activeDirectoryUsername	Active Directory username	true	string	
activeDirectoryPassword	Active Directory password	true	string	
svmName	SVM name	false	string	

### CIFSConfigurationResponse

Name	Description	Required	Schema	Default
dnsDomain	DNS domain name	true	string	
activeDirectoryDomain	Active Directory domain name	true	string	
ipAddresses	DNS server ip addresses	true	string array	
netBIOS	CIFS server NetBIOS name	true	string	
organizationalUnit	Organizational Unit to register in	true	string	
authenticationType	Authentication type	true	string	

### CIFSDeleteRequest

Name	Description	Required	Schema	Default
activeDirectoryUsername	Active Directory username	false	string	
activeDirectoryPassword	Active Directory password	false	string	
svmName	SVM name	false	string	

### CIFSWorkgroupConfigurationRequest

Name	Description	Required	Schema	Default
serverName	Workgroup name	true	string	
workgroupName	Workgroup name	true	string	
svmName	SVM name	false	string	

## Capacity

Name	Description	Required	Schema	Default
size	Size	true	number (double)	
unit	Unit	true	enum (Byte, KB, MB, GB, TB)	

## CapacityFeatures

Name	Description	Required	Schema	Default
providerVolumesType		true	<a href="#">ProviderVolumeTypeResponse</a> array	
defaultProviderVolumeType		true	<a href="#">DefaultProviderVolume</a>	
supportedCapacityTiers		true	<a href="#">SupportedCapacityTiers</a>	
maxDisksPerAggregate		true	integer (int32)	
existingIops		true	integer (int32) array	

## CapacityTierInfo

Name	Description	Required	Schema	Default
capacityTierUsedSize		true	<a href="#">Capacity</a>	
s3BucketName		true	string	
tierLevel		true	string	

## CbsPropertiesWithReason

Name	Description	Required	Schema	Default
cbsBackupStatus		true	string	
cbsRules		true	<a href="#">CbsSchedule</a> array	
numberOfBackedUpVolumes		true	integer (int32)	
objectStoreName		false	string	
providerSpecific		false	<a href="#">ProviderSpecific</a>	
cbsPolicyName		false	string	
usedCapacity		false	<a href="#">Capacity</a>	
ipSpace		false	string	
region		false	string	

Name	Description	Required	Schema	Default
providerAccountName		false	string	
exclusionReason		false	string	

### CbsSchedule

Name	Description	Required	Schema	Default
snapmirrorLabel		true	string	
snapshotsToKeep		true	integer (int32)	

### CertificateResponse

Name	Description	Required	Schema	Default
publicId		true	string	
directIssuerName		true	string	
subjectName		true	string	
startDate		true	integer (int64)	
endDate		true	integer (int64)	
serialNumber		true	string	
certificate		true	string	
certificateType		true	string	

### CertificateSigningRequest

Name	Description	Required	Schema	Default
commonName		true	string	

### ChangeLicenseParameters

Name	Description	Required	Schema	Default
newLicenseType		true	<a href="#">OntapLicenseType</a>	
newInstanceType		true	string	

### ChangeNetworkOptimizationRequest

Name	Description	Required	Schema	Default
optimize		true	boolean	

### ChangeSerialNumberRequest

Name	Description	Required	Schema	Default
nodeOne		true	string	
nodeTwo		false	string	

### ChangeTierLevelRequest

Name	Description	Required	Schema	Default
level	Change tier level	true	enum (normal, ia, ia-single, intelligent, cool, nearline, coldline, standard)	

### ChangeVolumeTierRequest

Name	Description	Required	Schema	Default
aggregateName	Target aggregate name	true	string	
numOfDisks	Number of new disks needed	true	integer (int32)	
newAggregate	Is it a newly created aggregate	true	boolean	
newDiskTypeName	New disk type name	true	string	
newCapacityTier	New capacity tier	false	enum (S3, Blob, cloudStorage)	
iops	Provisioned IOPS	false	integer (int32)	
throughput	Provisioned Throughput	false	integer (int32)	
newTieringPolicy	New tiering policy	false	enum (none, snapshot_only, auto, all)	

### CifsShareInfo

Name	Description	Required	Schema	Default
shareName	Share name	true	string	
accessControlList	List of CIFS share permissions	true	<a href="#">CifsShareUserPermissions</a> array	
vscanFileOpPolicy	Vscan file operations profile	false	string	

### CifsShareUserPermissions

Name	Description	Required	Schema	Default
permission	CIFS share permission type	true	string	
users	List of users with the permission	true	string array	

### CloudAccountResponse

Name	Description	Required	Schema	Default
cloudAccountId		true	string	
provider		true	string	
subscriptionId		false	string	

### CloudCentralAuditGroupResponse

Name	Description	Required	Schema	Default
accountId		true	string	
principalId		true	string	
agentId		true	string	
agentName		true	string	
resourceId		false	string	
resourceName		false	string	
action		true	string	
startTime		true	integer (int64)	
endTime		false	integer (int64)	
status		true	string	
requestId		true	string	
service		true	string	
errors		false	string array	
requestData		false	string	
hasRecords		true	boolean	
hasFailedRecords		true	boolean	
lastModified		true	integer (int64)	

### CloudCentralAuditOptionsEntryResponse

Name	Description	Required	Schema	Default
column		true	string	
identifier		true	string	
label		false	string	

### CloudCentralAuditOptionsResponse

Name	Description	Required	Schema	Default
service		true	<a href="#">CloudCentralAuditOptionsEntryResponse</a> array	
action		true	<a href="#">CloudCentralAuditOptionsEntryResponse</a> array	
agent		true	<a href="#">CloudCentralAuditOptionsEntryResponse</a> array	
resource		true	<a href="#">CloudCentralAuditOptionsEntryResponse</a> array	
user		true	<a href="#">CloudCentralAuditOptionsEntryResponse</a> array	

### CloudCentralAuditRecordResponse

Name	Description	Required	Schema	Default
creationTime		false	integer (int64)	
action		false	string	
status		false	string	
data		false	string	
errors		false	string array	
recordId		false	integer (int64)	
count		false	integer (int64)	

### CloudComplianceInfoResponse

Name	Description	Required	Schema	Default
status		true	enum (ACTIVE, DEPLOYING, NOT_ACTIVE, DISABLED)	

Name	Description	Required	Schema	Default
widgetUrl		false	string	
privateIp		false	string	
healthy		true	boolean	
lastDeploymentError		false	string	
containerActive		true	boolean	

### CloudComplianceStatusResponse

Name	Description	Required	Schema	Default
scanStatus		true	enum (SCAN_ENABLED, SCAN_DISABLED, DEPLOYING, FEATURE_DISABLED, UNKNOWN)	
complianceStatus		false	<a href="#">ComplianceExtendedStatusResponse</a>	
lastDeploymentError		false	string	
complianceBackupStatus		false	string	

### CloudOntapManifest

Name	Description	Required	Schema	Default
ontap_version		true	string	
ontap_image_versions_allowed_to_upgrade_from		true	string array	
encryption_enabled_instance_types		true	string array	
license_to_ami_mapping		true	<a href="#">LicenseToAmis</a> array	

### CloudProviderAccountResponse

Name	Description	Required	Schema	Default
awsAccounts		true	<a href="#">AwsAccountResponse</a> array	
azureAccounts		true	<a href="#">AzureAccountResponse</a> array	
gcpStorageAccounts		true	<a href="#">GcpAccountResponse</a> array	



Name	Description	Required	Schema	Default
nssAccounts		true	<a href="#">NssAccountResponse</a> array	

### CloudResourceTag

Name	Description	Required	Schema	Default
tagKey		true	string	
tagValue		false	string	

### CloudSyncConstants

Name	Description	Required	Schema	Default
reminderPeriod		true	integer (int32)	
warningPeriod		true	integer (int32)	

### CloudSyncLicenseInformation

Name	Description	Required	Schema	Default
cloudSyncLicenseTypes	Cloud Sync License types	true	string array	
licenseExpirationDate	Cloud Sync License Expiration Date	false	integer (int64)	

### CloudSyncProperties

Name	Description	Required	Schema	Default
status		false	<a href="#">CloudSyncStatus</a>	
dataBrokerProperties		false	<a href="#">DataBrokerProperties</a>	
s3Location		false	string	
relationships		true	<a href="#">CloudSyncRelationship</a> array	
synced		true	boolean	

### CloudSyncRelationship

Name	Description	Required	Schema	Default
volumeName		true	string	
svmName		true	string	
relationshipStatus		true	string	

Name	Description	Required	Schema	Default
s3Location		true	string	
id		true	string	
progress		true	integer (int32)	
failureMessage		false	string	

### CloudSyncStatus

Name	Description	Required	Schema	Default
status		true	string	
failureMessage		false	string	

### ClusterCredentialsRequest

Name	Description	Required	Schema	Default
userName		true	string	
password		true	string	

### ClusterInfo

Name	Description	Required	Schema	Default
serialNumber		true	string	
clusterName		true	string	
clusterUuid		true	string	

### ClusterInfoResponse

Name	Description	Required	Schema	Default
serialNumber		true	string	
clusterName		true	string	
clusterUuid		true	string	
ontapVersion		true	string	
nodeModels		true	string array	
clusterIp		true	string	
admin		true	boolean	

### ComplianceExtendedStatusResponse

Name	Description	Required	Schema	Default
sensitivePersonalHits		true	integer (int32)	
personalHits		true	integer (int32)	
nonSensitiveHits		true	integer (int32)	
scanStatus		false	<a href="#">ComplianceScanStatusResponse</a>	

### ComplianceScanStatusResponse

Name	Description	Required	Schema	Default
scanned		true	integer (int32)	
notScanned		true	integer (int32)	
volumes		true	<a href="#">ComplianceScanStatusVolumeResponse</a> array	

### ComplianceScanStatusVolumeResponse

Name	Description	Required	Schema	Default
name		true	string	
status		true	string	
error		false	string	
scopeld		false	integer (int32)	

### ConfigResponse

Name	Description	Required	Schema	Default
uri		true	string	
status		true	<a href="#">Status</a>	
redirected		true	boolean	
pollingIntervalSeconds		true	integer (int64)	
debugLogLevel		true	string	
cacheConfig		true	string	
startInstanceDelaySeconds		true	integer (int64)	

### ConfigValuesResponse

Name	Description	Required	Schema	Default
simplicatorUri		true	string	
proxyUri		true	string	
debugLogLevel		true	string	
cacheConfig		true	string	
keyManagerPort		true	integer (int32)	
ipaManualUrl		true	string	
certificateValidityPeriod		true	integer (int32)	
maxAggregateFreeSpacePercentage		true	integer (int32)	
asupSite		true	string	
asupCompany		true	string	
maxVolumeGrowSizePercentage		true	integer (int32)	
autoVsaCapacityManagement		true	boolean	
useVolumeViewAsDefault		true	boolean	
proxyUserName		true	string	
proxyPassword		true	string	
proxyDomain		true	string	
autoUpgrade		true	boolean	
cotRollback		true	boolean	
cloudSyncConstants		true	<a href="#">CloudSyncConstants</a>	
licenseMaxCapacityUsedPercentage		true	integer (int32)	
s3EbsRatio		true	integer (int32)	
ebsSizeToPiopsRatio		true	integer (int32)	
autoOntapUpgrade		true	boolean	
overrideCifsLocks		true	boolean	
usePrivateLink		true	boolean	
directApiTraffic		true	boolean	
useAccelerationForImageDownload		true	boolean	

Name	Description	Required	Schema	Default
maxDownloadSessions		true	integer (int32)	
rollbackOnAzurePrivateLinkFailure		true	boolean	

### ConfigValuesUpdateRequest

Name	Description	Required	Schema	Default
simplicatorUri		false	string	
proxyUri		false	string	
debugLogLevel		false	string	
cacheConfig		false	string	
keyManagerPort		false	integer (int32)	
maxAggregateFreeSpacePercentage		false	integer (int32)	
maxVolumeGrowSizePercentage		false	integer (int32)	
autoVsaCapacityManagement		false	boolean	
proxyUserName		false	string	
proxyPassword		false	string	
proxyDomain		false	string	
autoUpgrade		false	boolean	
cotRollback		false	boolean	
s3EbsRatio		false	integer (int32)	
autoOntapUpgrade		false	boolean	
overrideCifsLocks		false	boolean	
usePrivateLink		false	boolean	
directApiTraffic		false	boolean	
useAccelerationForImageDownload		false	boolean	
maxDownloadSessions		false	integer (int32)	
rollbackOnAzurePrivateLinkFailure		false	boolean	

## Configuration

Name	Description	Required	Schema	Default
ontapVersion		true	string	
license		true	<a href="#">OntapLicenseType</a>	
instanceType		true	string	
region		true	<a href="#">Region</a>	
defaultInstance		true	boolean	
features		true	string array	
upgradeableFrom		true	string array	

## ConfigureS3Request

Name	Description	Required	Schema	Default
bucketName		true	string	
bucketPrefix		true	string	

## CostByService

Name	Description	Required	Schema	Default
name	Name of the cost domain (compute, disk/blob storage, object storage, data transfer)	false	string	
total	Saving for this month for that cost domain	false	<a href="#">Money</a>	
costByUsage	Cost domain breakdown	false	<a href="#">CostByUsage</a> array	

## CostByTime

Name	Description	Required	Schema	Default
start	Cost period start date	false	string	
end	Cost period end date	false	string	
estimated	Is the cost estimated	false	boolean	
total	Total money saved	false	<a href="#">Money</a>	
costByService	Month cost and usage details	false	<a href="#">CostByService</a> array	

## CostByUsage

Name	Description	Required	Schema	Default
name	Breakdown element name	false	string	
cost	Saving for that breakdown element	false	<a href="#">Money</a>	
usage	Usage details for that breakdown element	false	<a href="#">Usage</a>	

## CreateAwsHaWorkingEnvironmentRequest

Name	Description	Required	Schema	Default
name		true	string	
svmPassword		true	string	
username		false	string	
vpclId		true	string	
description		false	string	
region		true	string	
tenantId		true	string	
volume	Optionally create a volume with this working environment	false	<a href="#">VsaVolumeOnNewVsaCreateRequest</a>	
ebsVolumeSize	EBS volume size	true	<a href="#">Capacity</a>	
ebsVolumeType	EBS volume type	true	enum (gp2, st1, io1, gp3)	
vsaMetadata		true	<a href="#">VsaMetadataRequest</a>	
dataEncryptionType	Type of encryption to use for this working environment	true	enum (NONE, AWS, ONTAP)	
ontapEncryptionParameters	Parameters required if using ontap encryption	false	<a href="#">OntapEncryption</a>	
awsEncryptionParameters	Parameters required if using aws encryption	false	<a href="#">AwsEncryption</a>	
haParams		true	<a href="#">HaParameters</a>	
securityGroupId		false	string	

Name	Description	Required	Schema	Default
awsTags	Optionally provide up to four key-value pairs with which to tag all AWS entities created by Cloud Manager	false	<a href="#">AwsTag</a> array	
cifsConfigurationRequest		false	<a href="#">CIFSConfigurationRequest</a>	
optimizedNetworkUtilization	Use optimized network utilization	false	boolean	
clusterKeyPairName	Support SSH using key-pair	false	string	
instanceTenancy	Instance tenancy	false	enum (default, dedicated)	
failedToCreateWorkingEnvironmentId	Public ID of failed-to-create working environment	false	string	
capacityTier	Capacity tier	false	enum (S3)	
iops	Provisioned IOPS	false	integer (int32)	
throughput	Provisioned Throughput	false	integer (int32)	
packageName	Pre-configured package name	false	string	
instanceProfileName	Instance profile name	false	string	
svmName	Svm name	false	string	
wormRequest	WORM request	false	<a href="#">WormRequest</a>	
cloudProviderAccount	Cloud Provider Account	false	string	
nssAccount	Nss Account	false	string	
saasSubscriptionId	SaaS Subscription ID	false	string	
backupVolumesToCbs	Automatically backup all volumes to S3	false	boolean	
tierLevel	Tier Level	false	enum (normal, ia, ia-single, intelligent)	
enableMonitoring	Enable monitoring	true	boolean	
enableServices	Enable services	false	string array	
writingSpeedState	Writing speed state	false	string	



Name	Description	Required	Schema	Default
ontapEncryptionDefined		true	boolean	

### CreateAzureVSAWorkingEnvironmentRequest

Name	Description	Required	Schema	Default
name		true	string	
svmPassword		true	string	
username		false	string	
vnetId		true	string	
cidr		true	string	
description		false	string	
volume	Optionally create a volume with this working environment	false	<a href="#">VsaVolumeOnNewVsaCreateRequest</a>	
region		true	string	
tenantId		true	string	
subnetId	Subnet ID for a single node cluster	true	string	
dataEncryptionType	Type of encryption to use for this working environment	true	enum (NONE, AZURE, ONTAP)	
ontapEncryptionParameters	Parameters required if using ontap encryption	false	<a href="#">OntapEncryption</a>	
securityGroupId		false	string	
serialNumber		false	string	
cifsConfigurationRequest		false	<a href="#">CIFSConfigurationRequest</a>	
diskSize	Disk size	true	<a href="#">Capacity</a>	
storageType	Storage type	true	enum (Standard_LRS, Premium_LRS, StandardSSD_LRS)	
azureTags	Optionally provide up to four key-value pairs with which to tag the Resource group created by Cloud Manager	false	<a href="#">AzureTag</a> array	

Name	Description	Required	Schema	Default
writingSpeedState	Writing speed state	false	string	
vsaMetadata		true	<a href="#">VsaMetadataRequest</a>	
failedToCreateWorkingEnvironmentId	Public ID of failed-to-create working environment	false	string	
packageName	Pre-configured package name	false	string	
vhdImageRequest	Optionally provide parameters for VHD image deployment	false	<a href="#">VhdImageRequest</a>	
resourceGroup	Custom resource group name	false	string	
subscriptionId	Subscription Id	false	string	
capacityTier	Capacity tier	false	enum (Blob)	
haParams		false	<a href="#">AzureHaParameters</a>	
allowDeployInExistingRg	Allow Deploy In Existing Resource Group	false	boolean	
svmName	Svm name	false	string	
wormRequest	WORM request	false	<a href="#">WormRequest</a>	
cloudProviderAccount	Cloud Provider Account	false	string	
nssAccount	Nss Account	false	string	
saasSubscriptionId	SaaS Subscription ID	false	string	
enableCompliance	Enable compliance	true	boolean	
storageAccountPrefix	Storage Account prefix	false	string	
backupVolumesToClouds	Automatically backup all volumes to cloud	false	boolean	
tierLevel	Tier Level	false	enum (normal, cool)	
availabilityZone	Availability Zone	false	<a href="#">[Object]</a>	
azureEncryptionParameters	Parameters required if using azure encryption with custom key	false	<a href="#">AzureEncryption</a>	
enableServices	Enable services	false	string array	

### CreateBlobContainerRequest

Name	Description	Required	Schema	Default
subscriptionId		false	string	
cloudProviderAccountId		false	string	
resourceGroupName		true	string	
storageAccountName		true	string	
containerName		true	string	

### CreateBucketRequest

Name	Description	Required	Schema	Default
projectId		false	string	
bucketName		true	string	
location		true	string	
storageClass		true	string	
kmsKeyName		false	string	

### CreateCifsShareInfoRequest

Name	Description	Required	Schema	Default
shareName	Share name	true	string	
accessControl	CIFS share permissions	true	<a href="#">CifsShareUserPermissions</a>	

### CreateCloudComplianceByWesRequest

Name	Description	Required	Schema	Default
workingEnvironmentIds		true	string array	
enableAnf		true	boolean	

### CreateFilesystemRequest

Name	Description	Required	Schema	Default
name		true	string	
svmPassword		false	string	
fsxAdminPassword		true	string	
vpclId		true	string	

Name	Description	Required	Schema	Default
region		true	string	
ebsVolumeSize	EBS volume size	true	<a href="#">Capacity</a>	
ebsVolumeType	EBS volume type	true	enum (gp2, st1, io1, io2)	
instanceType	Instance Type	true	string	
haParams		true	<a href="#">HaParameters</a>	
node1CustomerDataEni		true	<a href="#">NetworkInterfaceInfo</a>	
node2CustomerDataEni		true	<a href="#">NetworkInterfaceInfo</a>	
node1SerialNumber		true	string	
node2SerialNumber		true	string	
awsEncryptionParameters	Parameters required if using aws encryption - system	false	<a href="#">AwsEncryption</a>	
dataAwsEncryptionParameters	Parameters required if using aws encryption - data	false	<a href="#">AwsEncryption</a>	
securityGroupIid		false	string	
internalSecurityGroupIid		false	string	
externalSecurityGroupIid		false	string	
iops	Provisioned IOPS	false	integer (int32)	
instanceProfileName	Instance profile name	false	string	
tierLevel	Tier Level	false	enum (normal, ia, ia-single, intelligent)	
customOntapVersion	Custom Ontap Version	false	string	
svmAdminPassword	SVM admin password	false	string	
awsTags	Optionally provide up to four key-value pairs with which to tag all AWS entities created by Cloud Manager	false	<a href="#">AwsTag</a> array	
tieringBucketName	Tiering bucket name	false	string	
mediatorPassword	Mediator password	false	string	

## CreateGcpVsaWorkingEnvironmentRequest

Name	Description	Required	Schema	Default
name		true	string	
svmPassword		true	string	
username		false	string	
vpclId		true	string	
volume	Optionally create a volume with this working environment	false	<a href="#">VsaVolumeOnNewVsaCreateRequest</a>	
region		true	string	
tenantId		true	string	
subnetPath	Subnet path for a single node cluster	false	string	
subnetId	Subnet ID for a single node cluster	true	string	
firewallRule	Firewall name for a single node cluster	false	string	
firewallTagNameRule	Firewall tag name for a single node cluster	false	string	
dataEncryptionType	Type of encryption to use for this working environment	true	enum (GCP)	
securityGroupId		false	string	
vsaMetadata		true	<a href="#">VsaMetadataRequest</a>	
cifsConfigurationRequest		false	<a href="#">CIFSConfigurationRequest</a>	
serialNumber	Serial number for BYOL	false	string	
gcpVolumeSize	GCP volume size	true	<a href="#">Capacity</a>	
gcpVolumeType	GCP volume type	true	enum (pd-standard, pd-ssd, pd-balanced)	
gcpLabels	Optionally provide up to four key-value pairs with which to all GCP entities created by Cloud Manager	false	<a href="#">GcpLabel</a> array	
writingSpeedState	Writing speed state	false	string	

Name	Description	Required	Schema	Default
failedToCreateWorkingEnvironmentId	Public ID of failed-to-create working environment	false	string	
capacityTier	Capacity tier	false	enum (cloudStorage)	
packageName	Pre-configured package name	false	string	
svmName	Svm name	false	string	
wormRequest	WORM request	false	<a href="#">WormRequest</a>	
nssAccount	NSS account	false	string	
gcpStorageAccount	Gcp Storage account	false	string	
gcpServiceAccount	Gcp Service account	false	string	
tierLevel	Gcp Available storage classes	false	enum (standard, nearline, coldline)	
saasSubscriptionId	SaaS Subscription ID	false	string	
cloudProviderAccount		false	string	
project	Gcp Optional Project	false	string	
gcpEncryptionParameters	Parameters required if using gcp encryption with custom key	false	<a href="#">GcpEncryption</a>	
providedImage	Provided external CVO image	false	string	
providedMediatorImage	Provided external mediator image	false	string	
enableServices	Enable services	false	string array	
backupVolumesToCbs	Automatically backup all volumes to cloud	false	boolean	
haParams	Optional HA parameters for HA deployment	false	<a href="#">GcpHaParameters</a>	
skipSvmManagementLif	SVM management Lif flag	true	boolean	

## CreateScsilInfoRequest

Name	Description	Required	Schema	Default
osName	Operating system	true	enum (windows, linux, vmware, windows_2008, windows_gpt)	
igroupCreationRequest	Igroup creation request	false	<a href="#">IgroupCreationRequest</a>	
igroups	Igroups	false	string array	

### CreateReplicationRequestToFsx

Name	Description	Required	Schema	Default
replicationRequest	Replication Request	true	<a href="#">ReplicationToFsxRequest</a>	
replicationVolume	Replication volume	true	<a href="#">FsxVolumeRequest</a>	

### CreateReplicationRequestToOnPrem

Name	Description	Required	Schema	Default
replicationRequest	Replication Request	true	<a href="#">ReplicationRequest</a>	
replicationVolume	Replication volume	true	<a href="#">OnPremVolumeRequest</a>	

### CreateReplicationRequestToVsa

Name	Description	Required	Schema	Default
replicationRequest	Replication Request	true	<a href="#">ReplicationRequest</a>	
replicationVolume	Replication volume	true	<a href="#">VsaVolumeRequest</a>	

### CreateRequestParametersResponse

Name	Description	Required	Schema	Default
parameters		false	Map[string,any]	

### CreateSvmHaRequest

Name	Description	Required	Schema	Default
svmName		true	string	
svmPassword		false	string	
subnet1Cidr		true	string	
subnet2Cidr		true	string	
dataFloatingIp		false	string	

Name	Description	Required	Schema	Default
svmMgmtFloatingIp		false	string	

### CreateSyncRequest

Name	Description	Required	Schema	Default
volumeNames	Volume's name	true	string array	
s3Location	S3 path location (i.e. s3://BucketName/Folder1/Folder11), maximum length - 255 characters	true	string	
dataBrokerNetworkInformation	Data Broker Network information	true	<a href="#">DataBrokerNetworkInformation</a>	

### CreateVSAWorkingEnvironmentRequest

Name	Description	Required	Schema	Default
name		true	string	
svmPassword		true	string	
username		false	string	
vpclId		true	string	
description		false	string	
volume	Optionally create a volume with this working environment	false	<a href="#">VsaVolumeOnNewVsaCreateRequest</a>	
region		true	string	
tenantId		true	string	
subnetId	Subnet ID for a single node cluster	true	string	
dataEncryptionType	Type of encryption to use for this working environment	true	enum (NONE, AWS, ONTAP)	
ontapEncryptionParameters	Parameters required if using ontap encryption	false	<a href="#">OntapEncryption</a>	
awsEncryptionParameters	Parameters required if using aws encryption	false	<a href="#">AwsEncryption</a>	
securityGroupId		false	string	
vsaMetadata		true	<a href="#">VsaMetadataRequest</a>	



Name	Description	Required	Schema	Default
cifsConfigurationRequest		false	<a href="#">CIFSConfigurationRequest</a>	
ebsVolumeSize	EBS volume size	true	<a href="#">Capacity</a>	
ebsVolumeType	EBS volume type	true	enum (gp2, gp3, st1, sc1, io1)	
awsTags	Optionally provide up to four key-value pairs with which to tag all AWS entities created by Cloud Manager	false	<a href="#">AwsTag</a> array	
writingSpeedState	Writing speed state	false	string	
optimizedNetworkUtilization	Use optimized network utilization	false	boolean	
clusterKeyPairName	Support SSH using key-pair	false	string	
instanceTenancy	Instance tenancy	false	enum (default, dedicated)	
failedToCreateWorkingEnvironmentId	Public ID of failed-to-create working environment	false	string	
capacityTier	Capacity tier	false	enum (S3)	
iops	Provisioned IOPS	false	integer (int32)	
throughput	Provisioned Throughput	false	integer (int32)	
packageName	Pre-configured package name	false	string	
instanceProfileName	Instance profile name	false	string	
svmName	Svm name	false	string	
wormRequest	WORM request	false	<a href="#">WormRequest</a>	
cloudProviderAccount	Cloud Provider Account	false	string	
nssAccount	Nss Account	false	string	
saasSubscriptionId	SaaS Subscription ID	false	string	
backupVolumesToCbs	Automatically backup all volumes to S3	false	boolean	

Name	Description	Required	Schema	Default
tierLevel	Tier Level	false	enum (normal, ia, ia-single, intelligent)	
enableMonitoring	Enable monitoring	true	boolean	
enableServices	Enable services	false	string array	
ontapEncryptionDefined		true	boolean	

### CronJobSchedule

Name	Description	Required	Schema	Default
name		true	string	
description		true	string	
months		true	integer (int32) array	
days		true	integer (int32) array	
weekDays		true	integer (int32) array	
hours		true	integer (int32) array	
minutes		true	integer (int32) array	

### CronJobScheduleResponse

Name	Description	Required	Schema	Default
months	List of months	true	integer (int32) array	
days	List of days of the month	true	integer (int32) array	
weekDays	List of week days	true	integer (int32) array	
hours	List of hours	true	integer (int32) array	
minutes	List of minutes	true	integer (int32) array	

### CsrResponse

Name	Description	Required	Schema	Default
csr		true	string	

### CvoSaasProperties

Name	Description	Required	Schema	Default
subscription		false	<a href="#">SaasSubscription</a>	
freeTrialExpiry		false	integer (int64)	
saasEnabled		false	boolean	

Name	Description	Required	Schema	Default
capacityLicensePackage		false	string	

### CvsRegion

Name	Description	Required	Schema	Default
name		true	string	
code		true	string	
location		true	string	

### DataBrokerNetworkInformation

Name	Description	Required	Schema	Default
vpclId	Data Broker Vpc Id	true	string	
subnetId	Data Broker Subnet Id	true	string	
keyPair	Data Broker Key pair	true	string	
region	Data Broker Region	true	string	

### DataBrokerPlacement

Name	Description	Required	Schema	Default
vpclId		true	string	
subnetId		true	string	
instanceType		true	string	
instanceId		true	string	
keyPair		true	string	

### DataBrokerProperties

Name	Description	Required	Schema	Default
id		true	string	
name		true	string	
dataBrokerPlacement		false	<a href="#">DataBrokerPlacement</a>	

### DefaultProviderVolume

Name	Description	Required	Schema	Default
size		true	<a href="#">Capacity</a>	

Name	Description	Required	Schema	Default
diskType		true	string	
capacityTier		false	string	
iops		false	integer (int32)	

### DescribeCvoSubscriptionResponse

Name	Description	Required	Schema	Default
subscription		false	<a href="#">SubscriptionResponse</a>	
freeTrialExpiry		false	integer (int64)	

### DiscoveredAwsHaResponse

Name	Description	Required	Schema	Default
name		true	string	
publicId		true	string	
region		true	string	
vpcName		true	string	
vpId		true	string	
availabilityZones		true	string array	
subnetIds		true	string array	
stackName		true	string	
stackId		true	string	
clusterAddress		true	string	
recoverable		true	boolean	
byol		true	boolean	
registered		true	boolean	

### DiscoveredAzureHaResponse

Name	Description	Required	Schema	Default
name		true	string	
publicId		true	string	
region		true	string	
vnetName		true	string	
vnetId		true	string	
subnetId		true	string	

Name	Description	Required	Schema	Default
subnetName		true	string	
resourceGroup		true	string	
clusterAddress		true	string	
recoverable		true	boolean	
byol		true	boolean	
registered		true	boolean	

### DiscoveredAzureVSAResponse

Name	Description	Required	Schema	Default
name		true	string	
id		true	string	
publicId		true	string	
region		true	string	
vnetName		true	string	
vnetId		true	string	
subnetId		true	string	
subnetName		true	string	
resourceGroup		true	string	
clusterAddress		true	string	
recoverable		true	boolean	
byol		true	boolean	
registered		true	boolean	

### DiscoveredGcpHaResponse

Name	Description	Required	Schema	Default
name		true	string	
id		true	string	
publicId		true	string	
zones		true	string array	
vpcs		true	string array	
subnetIds		true	string array	
projectName		true	string	
clusterAddress		true	string	

Name	Description	Required	Schema	Default
recoverable		true	boolean	

### DiscoveredGcpVsaResponse

Name	Description	Required	Schema	Default
name		true	string	
id		true	string	
publicId		true	string	
zone		true	string	
vnetName		true	string	
vnetId		true	string	
projectName		true	string	
subnetName		true	string	
clusterAddress		true	string	
recoverable		true	boolean	

### DiscoveredVsaResponse

Name	Description	Required	Schema	Default
name		true	string	
publicId		true	string	
region		true	string	
vpcName		true	string	
vpId		true	string	
availabilityZone		true	string	
subnetId		true	string	
stackName		true	string	
stackId		true	string	
clusterAddress		true	string	
recoverable		true	boolean	
registered		true	boolean	
byol		true	boolean	

### Disk

Name	Description	Required	Schema	Default
name	Name	true	string	
position	Position	true	string	
ownerNode	Owner node	true	string	
device	Device	true	string	
vmDiskProperties	VmDiskProperties	false	<a href="#">VmDiskProperties</a>	

## DisksConfiguration

Name	Description	Required	Schema	Default
aws		true	<a href="#">AwsDisksConstraints</a>	
azure		true	<a href="#">AzureDisksConstraints</a>	
gcp		true	<a href="#">GcpDisksConstraints</a>	

## DisksDetails

Name	Description	Required	Schema	Default
numberOfDisks	Number of disks	true	integer (int32)	
diskSize	Disk size	true	<a href="#">Capacity</a>	
diskType	Disk type	true	string	

## Duration

Name	Description	Required	Schema	Default
length	Length	true	integer (int64)	
unit	Unit	true	enum (DAYS, HOURS, MINUTES, SECONDS, MILLISECONDS, MICROSECONDS, NANOSECONDS)	

## EbsVolumeType

Name	Description	Required	Schema	Default
description		true	string	
size		true	<a href="#">Capacity</a>	
supportedVolumeTypes		true	string array	

Name	Description	Required	Schema	Default
supportedOccurrences		true	string array	
default		true	boolean	

### EligibilityResponse

Name	Description	Required	Schema	Default
eligibilityResponse		true	string	

### EnableCapacityTieringRequest

Name	Description	Required	Schema	Default
instanceProfileName		false	string	
gcpStorageAccountId		false	string	
storageAccountPrefix		false	string	

### EnableMonitoringRequest

Name	Description	Required	Schema	Default
workingEnvironmentIds		true	string array	

### EnableServiceScanRequest

Name	Description	Required	Schema	Default
instanceProfileName	Instance profile name	false	string	

### EncryptionProperties

Name	Description	Required	Schema	Default
ontapEncryption		true	boolean	
awsVolumeEncryption		true	boolean	
azureVolumeEncryption		true	boolean	
gcpVolumeEncryption		true	boolean	
keyManagers		true	<a href="#">KeyManagerResponse</a> array	



Name	Description	Required	Schema	Default
encryptionCertificates		true	<a href="#">CertificateResponse</a> array	
awsEncryptionKey		false	<a href="#">AwsEncryptionKey</a>	

### EvaluationOntapLicenses

Name	Description	Required	Schema	Default
worm		true	string	

### EvaluationSerialNumbers

Name	Description	Required	Schema	Default
single_aws		true	string	
single_azure		true	string	
ha_aws_node1		true	string	
ha_aws_node2		true	string	
ha_azure_node1		true	string	
ha_azure_node2		true	string	
gcp_single		true	string	
ha_gcp_node1		true	string	
ha_gcp_node2		true	string	

### Expand

Name	Description	Required	Schema	Default
name		false	string	
expands		false	<a href="#">Expand</a> array	

### Expands

Name	Description	Required	Schema	Default
raw		false	string	
expands		false	<a href="#">Expand</a> array	

### ExportPolicyInfo

Name	Description	Required	Schema	Default
policyType	Export policy type	true	string	

Name	Description	Required	Schema	Default
ips	Custom export policy list of IPs	false	string array	
nfsVersion	Export policy protocol	false	string array	
rules	Export policy rules	false	<a href="#">[ExportPolicyRule]</a> array	

### ExtendedObjectStoreConfigInfo

Name	Description	Required	Schema	Default
objectStoreConfig		false	<a href="#">ObjectStoreConfigInfo</a>	
tierLevel		false	string	

### FailureCauses

Name	Description	Required	Schema	Default
invalidOntapCredentials		true	boolean	
noCloudProviderConnection		true	boolean	
invalidCloudProviderCredentials		true	boolean	

### FeatureFlag

Name	Description	Required	Schema	Default
azure		true	boolean	

### FeatureProperties

Name	Description	Required	Schema	Default
start		false	string	
end		false	string	
excludedRegions		false	string array	
excludedLicenseTypes		false	string array	

### FloatingIps

Name	Description	Required	Schema	Default
clusterFloatingIP		true	string	
dataFloatingIP		true	string	
dataFloatingIP2		true	string	

### AwsHaFloatingIpValidationData:FloatingIps

Name	Description	Required	Schema	Default
clusterFloatingIP		false	string	
dataFloatingIP		false	string	
dataFloatingIP2		false	string	
svmFloatingIP		false	string	

### FpolicyProperties

Name	Description	Required	Schema	Default
status		true	integer (int32)	
fPolicyProtocolStatus		true	<a href="#">FpolicyProtocolStatus</a>	
fileExtensions		true	string array	

### FpolicyProtocolStatus

Name	Description	Required	Schema	Default
nfsv3		true	integer (int32)	
nfsv4		true	integer (int32)	
cifs		true	integer (int32)	

### FsxCredentialsStatusResponse

Name	Description	Required	Schema	Default
valid		true	boolean	
clusterInfo		false	<a href="#">ClusterInfo</a>	
failureReason		false	enum (no_credentials, invalid_credentials, no_connectivity)	

### FsxVolumeCreateRequest

Name	Description	Required	Schema	Default
fileSystemId	Target file system ID	true	string	
svmName	SVM name	true	string	
name	Volume name, unique within the SVM	true	string	
size	Size as Capacity	true	<a href="#">PositiveCapacity</a>	
initialSize	Initial size as Capacity. Relevant for thin provisioned volumes only. Default to 0.	false	<a href="#">Capacity</a>	
snapshotPolicyName	Snapshot policy name	true	string	
exportPolicyInfo	NFS protocol parameters	false	<a href="#">ExportPolicyInfo</a>	
shareInfo	CIFS protocol parameters	false	<a href="#">CreateCifsShareInfoRequest</a>	
ProtocolscsiInfo	ISCSI protocol parameters	false	<a href="#">CreateScsiInfoRequest</a>	
enableStorageEfficiency	Storage efficiency	true	boolean	
tieringPolicy	Tiering policy	false	enum (none, snapshot_only, auto, all)	

### FsxVolumeModifyRequest

Name	Description	Required	Schema	Default
snapshotPolicyName	Snapshot Policy name	false	string	
exportPolicyInfo	Export policy info for NFS	false	<a href="#">NamedExportPolicyInfo</a>	
tieringPolicy	Tiering policy	false	enum (none, snapshot_only, auto, backup, all)	
shareInfo	Share names, permissions and users for CIFS	false	<a href="#">CifsShareInfo</a>	

### FsxVolumeRequest

Name	Description	Required	Schema	Default
sourceSvmName	Source SVM name	true	string	
sourceVolumeName	Source volume name	true	string	
destinationVolumeName	Destination volume name	true	string	
destinationSvmName	Destination SVM name	true	string	
tieringPolicy	Tiering policy	false	enum (none, snapshot_only, auto, all)	

### GcpAccountResponse

Name	Description	Required	Schema	Default
publicId		true	string	
accountName		true	string	
accountType		true	string	
accessKey		true	string	
vsaList		true	<a href="#">AccountWorkingEnvironmentResponse</a> array	
occmRole		false	string	

### GcpBucket

Name	Description	Required	Schema	Default
name		true	string	
location		true	string	
storageClass		true	string	

### GcpCloudBackupSetupRequest

Name	Description	Required	Schema	Default
project	GCP project id - by default Cloud Manager project	false	string	
region	Region - by default Cloud Manager region	false	string	

Name	Description	Required	Schema	Default
accessKey	GCP access Key to used by Cloud Backup Service	true	string	
secretKey	GCP secret key used by Cloud Backup Service	true	string	
ipSpace	Ip Space	false	string	

### GcpConnectivityResponse

Name	Description	Required	Schema	Default
name	Virtual Network Name	true	string	
vpcPath	Virtual Network path	true	string	
subnets	Subnets	true	<a href="#">GcpSubnetResponse</a> array	
firewalls	Firewalls	true	<a href="#">GcpFirewallResponse</a> array	
isShared	isShared	true	boolean	

### GcpDiskTypeResponse

Name	Description	Required	Schema	Default
size		true	<a href="#">Capacity</a>	
supportedDiskTypes		true	string array	
supportedOccurrences		true	string array	

### GcpDisksConstraints

Name	Description	Required	Schema	Default
numReservedDisksSingleNode		true	integer (int32)	
maxDisksSingleNode		true	integer (int32)	
numDisksWarnSingleNode		true	integer (int32)	
deltaDiskWarn		true	integer (int32)	

### GcpEncryption

Name	Description	Required	Schema	Default
key		false	string	

### GcpEncryptionKey

Name	Description	Required	Schema	Default
name		true	string	
id		true	string	
keyRing		true	string	
location		true	string	

### GcpFirewallResponse

Name	Description	Required	Schema	Default
name	Firewall Name	true	string	
vpc	VPC	true	string	

### GcpHaMediatorInfo

Name	Description	Required	Schema	Default
mediatorInstanceName		true	string	
zone		true	string	
instanceType		true	string	
primaryIp		true	string	
instanceStatus		true	string	
version		true	string	

### GcpHaNodeInfo

Name	Description	Required	Schema	Default
instanceName		true	string	
zone		true	string	
instanceType		true	string	
primaryIp		true	string	
instanceStatus		true	string	
numOfNics		true	integer (int32)	
labels		true	Map[string,string]	

## GcpHaParameters

Name	Description	Required	Schema	Default
platformSerialNumberNode1	Platform serial number for node 1	false	string	
platformSerialNumberNode2	Platform serial number for node 2	false	string	
node1Zone	Zone for node 1	true	string	
node2Zone	Zone for node 2	true	string	
mediatorZone	Zone for mediator	true	string	
vpc0NodeAndDataConnectivity	VPC path for nic1, required for node and data connectivity	true	string	
vpc1ClusterConnectivity	VPC path for nic2, required for cluster connectivity	true	string	
vpc2HAConnectivity	VPC path for nic3, required for HA connectivity	true	string	
vpc3DataReplication	VPC path for nic4, required for data replication	true	string	
subnet0NodeAndDataConnectivity	Subnet path for nic1, required for node and data connectivity	true	string	
subnet1ClusterConnectivity	Subnet path for nic2, required for cluster connectivity	true	string	
subnet2HAConnectivity	Subnet path for nic3, required for HA connectivity	true	string	
subnet3DataReplication	Subnet path for nic4, required for data replication	true	string	
vpc0FirewallRuleName	Optional firewall rule name for vpc1	false	string	
vpc1FirewallRuleName	Optional firewall rule name for vpc2	false	string	
vpc2FirewallRuleName	Optional firewall rule name for vpc3	false	string	
vpc3FirewallRuleName	Optional firewall rule name for vpc4	false	string	



Name	Description	Required	Schema	Default
vpc0FirewallRuleTagName	Optional firewall tag name for vpc1	false	string	
vpc1FirewallRuleTagName	Optional firewall tag name for vpc2	false	string	
vpc2FirewallRuleTagName	Optional firewall tag name for vpc3	false	string	
vpc3FirewallRuleTagName	Optional firewall tag name for vpc4	false	string	

### GcpHaProperties

Name	Description	Required	Schema	Default
mediatorInfo		true	<a href="#">GcpHaMediatorInfo</a>	
node1Info		true	<a href="#">GcpHaNodeInfo</a>	
node2Info		true	<a href="#">GcpHaNodeInfo</a>	
projectName		true	string	

### GcpKeysForCloudStorageWithValidation

Name	Description	Required	Schema	Default
accessKey		true	string	
secretKey		true	string	

### GcpLabel

Name	Description	Required	Schema	Default
labelKey		true	string	
labelValue		true	string	

### GcpNetworkRequirementsResponse

Name	Description	Required	Schema	Default
vsaMinimumRequiredIps		true	integer (int32)	
haVsaMinimumRequiredIps		true	integer (int32)	

### GcpProjectResponse

Name	Description	Required	Schema	Default
projectNumber		true	string	

Name	Description	Required	Schema	Default
projectId		true	string	
lifecycleState		true	string	
name		true	string	
createTime		true	string	
parent		true	Map[string,string]	
subscriptionId		false	string	
default		true	boolean	

### GcpProjectsResponse

Name	Description	Required	Schema	Default
projects		true	<a href="#">GcpProjectResponse</a> array	

### GcpProperties

Name	Description	Required	Schema	Default
name		true	string	
regionName		true	string	
zoneName		true	string array	
instanceType		true	string	
subnetCidr		true	string	
numOfNics		true	integer (int32)	
labels		true	Map[string,string]	
projectName		true	string	
deploymentName		true	string	

### GcpRegionResponse

Name	Description	Required	Schema	Default
displayName		true	string	
name		true	string	
zones		true	<a href="#">GcpZoneResponse</a> array	
vpcs		true	<a href="#">GcpVirtualNetworkResponse</a> array	

### GcpServiceAccountResponse

Name	Description	Required	Schema	Default
name		true	string	
projectId		true	string	
email		true	string	
displayName		true	string	
enabled		true	boolean	

### GcpServiceAccountsResponse

Name	Description	Required	Schema	Default
accounts		true	<a href="#">GcpServiceAccountResponse</a> array	

### GcpStorageAccountRequest

Name	Description	Required	Schema	Default
accountName		true	string	
providerKeys		true	<a href="#">GcpKeysForCloudStorageWithValidation</a>	

### GcpSubnetResponse

Name	Description	Required	Schema	Default
ipCidrRange	CIDR	true	string	
name	Subnet name	true	string	
path	Subnet path	true	string	
availableIps	The number of available IPs on the subnet	true	integer (int32)	
minimumRequiredIps	The minimum needed IP addresses for the Cloud Volumes ONTAP creation	true	integer (int32)	

### GcpVirtualNetworkResponse

Name	Description	Required	Schema	Default
name	Virtual Network Name	true	string	

Name	Description	Required	Schema	Default
subnets	Subnets	true	<a href="#">GcpSubnetResponse</a> array	
firewalls	Firewalls	true	<a href="#">GcpFirewallResponse</a> array	

### GcpVsaWorkingEnvironmentResponse

Name	Description	Required	Schema	Default
publicId		true	string	
name		true	string	
tenantId		true	string	
svmName		false	string	
creatorUserEmail		true	string	
status		false	<a href="#">StatusProperties</a>	
providerProperties		false	<a href="#">GcpProperties</a>	
reservedSize		false	<a href="#">Capacity</a>	
clusterProperties		false	<a href="#">VsaClusterProperties</a>	
ontapClusterProperties		false	<a href="#">OntapClusterProperties</a>	
cloudProviderName		true	string	
snapshotPolicies		false	<a href="#">SnapshotPolicy</a> array	
actionsRequired		false	<a href="#">ActionRequired</a> array	
activeActions	Actions currently being performed on this working environment	false	string array	
replicationProperties		false	<a href="#">ReplicationProperties</a>	
schedules		false	<a href="#">VsaSchedule</a> array	
svms		false	<a href="#">Svm</a> array	
workingEnvironmentType		true	string	
supportRegistrationProperties		false	<a href="#">SupportRegistrationProperties</a>	
supportRegistrationInformation		false	<a href="#">SupportRegistrationInformation</a> array	

Name	Description	Required	Schema	Default
capacityFeatures		false	<a href="#">CapacityFeatures</a>	
encryptionProperties		false	<a href="#">EncryptionProperties</a>	
supportedFeatures		false	<a href="#">SupportedFeatures</a>	
haProperties		false	<a href="#">GcpHaProperties</a>	
fpolicyProperties		false	<a href="#">FpolicyProperties</a>	
saasProperties		false	<a href="#">CvoSaasProperties</a>	
cbsProperties		false	<a href="#">CbsPropertiesWithReason</a>	
complianceProperties		false	<a href="#">CloudComplianceStatusResponse</a>	
monitoringProperties		false	<a href="#">MonitoringStatusResponse</a>	
licensesInformation		false	<a href="#">LicenseInformation</a> array	
hA		true	boolean	

### GcpZoneResponse

Name	Description	Required	Schema	Default
name	Zone Name	true	string	

### GcpZonesAndRegionResponse

Name	Description	Required	Schema	Default
displayName		true	string	
name		true	string	
location		true	string	
zones		true	<a href="#">GcpZoneResponse</a> array	

### GenericVsaWorkingEnvironmentResponse

Name	Description	Required	Schema	Default
publicId		true	string	
name		true	string	
status		false	<a href="#">StatusProperties</a>	
ontapClusterProperties		false	<a href="#">OntapClusterProperties</a>	
cloudProviderName		true	string	

Name	Description	Required	Schema	Default
workingEnvironmentType		true	string	
userTags		true	Map[string,string]	
hA		true	boolean	

### GlobalManifest

Name	Description	Required	Schema	Default
license_types		true	<a href="#">OntapLicenseType</a> array	
regions		true	<a href="#">Region</a> array	
azureRegions		true	<a href="#">Region</a> array	
gcpRegions		true	<a href="#">Region</a> array	
cot_versions		true	Map[string,Map[string,string array]]	
cot_versions_to_upgrade_to		true	Map[string,Map[string,string array]]	
supportedFeatures		true	Map[string,Map[string, <a href="#">FeatureProperties</a> ]]	

### GrantPermission

Name	Description	Required	Schema	Default
addWorkingEnvironments	List of working environment public IDs for which permissions should be added	true	string array	
removeWorkingEnvironments	List of working environment public IDs for which permissions should be removed	true	string array	

### HaParameters

Name	Description	Required	Schema	Default
node1SubnetId		true	string	
node2SubnetId		true	string	
mediatorSubnetId		true	string	
clusterFloatingIP		false	string	

Name	Description	Required	Schema	Default
dataFloatingIP		false	string	
dataFloatingIP2		false	string	
svmFloatingIP		false	string	
mediatorKeyPairName		false	string	
routeTableIds		false	string array	
platformSerialNumberNode1		false	string	
platformSerialNumberNode2		false	string	
providedLicenseNode1		false	string	
providedLicenseNode2		false	string	
failoverMode	HA failover mode	false	enum (FloatingIP, PrivateIP)	
mediatorProxy		false	<a href="#">MediatorProxy</a>	
mediatorAssignPublicIP		false	boolean	
mediatorInstanceProfileName		false	string	
mediatorSecurityGroupId		false	string	

## HaProperties

Name	Description	Required	Schema	Default
mediatorVersionInfo		true	<a href="#">MediatorVersionInfo</a>	
mediatorStatus		true	<a href="#">MediatorStatus</a>	
routeTables		true	string array	
mediatorVersionsToUpdate		true	<a href="#">MediatorUpdateVersionMetadata</a> array	
failoverMode		true	string	

## Id

Name	Description	Required	Schema	Default
id		true	string	

## IGroup

Name	Description	Required	Schema	Default
igroupName	Igroup name	true	string	
osType	osType	true	string	
portsetName	portsetName	true	string	
igroupType	igroupType	true	string	
initiators	Initiators	true	string array	

## IgroupCreationRequest

Name	Description	Required	Schema	Default
initiators	Initiators	true	string array	
igroupName	Igroup name	true	string	

## InitialSetupResponse

Name	Description	Required	Schema	Default
upgradeToVersion		false	string	

## Initiator

Name	Description	Required	Schema	Default
aliasName	Initiator alias	true	string	
iqn	Initiator IQN	true	string	

## InitiatorEntry

Name	Description	Required	Schema	Default
aliasName		false	string	
iqn		false	string	
publicId		false	string	
id		false	integer (int32)	

## InstallCertificatesAndPrivateKeyRequest

Name	Description	Required	Schema	Default
occmCertificate		true	string	
privateKey		true	string	
algorithm		false	string	



## InstallCertificatesRequest

Name	Description	Required	Schema	Default
occmCertificate		true	string	

## InstanceConfiguration

Name	Description	Required	Schema	Default
mediator		true	Map[string, <a href="#">InstanceConfigurationMapping</a> ]	
probes		true	Map[string, <a href="#">InstanceConfigurationMapping</a> ]	

## InstanceConfigurationMapping

Name	Description	Required	Schema	Default
regular		true	string	
dedicated		true	string	

## InstanceNameIdAndType

Name	Description	Required	Schema	Default
instanceName	Instance name	true	string	
instanceType	Instance type	true	string	
instanceId	Instance Id	true	string	

## InstancePlacementResponse

Name	Description	Required	Schema	Default
region	Region	true	string	
vpclId	VPC	false	string	
subnetId	Subnet	false	string	
keyPair	KeyPair	false	string	
installLocation	Install Location	true	string	
role	Role	false	string	
providerRoleType	Provider Role Type	false	string	
publicIp	Public IP	false	string	
account	Account	false	string	
govCloud	Gov cloud	true	boolean	

Name	Description	Required	Schema	Default
china	China	true	boolean	
instanceType	instanceType	false	string	
darkSite	is dark site	true	boolean	
legacyOs		true	boolean	
legacyInstance		true	boolean	

### InstanceProfileResponse

Name	Description	Required	Schema	Default
instanceProfileId		true	string	
name		true	string	

### InstanceResponse

Name	Description	Required	Schema	Default
id	Instance Id	true	string	
name	Instance name	true	string	
instanceType	Instance type	true	string	
state	Instance state	true	string	
publicIpAddress	Public IP address that is assigned to the instance	true	string	
privateIpAddress	Private IP address that is assigned to the instance	true	string	
publicDnsName	Public DNS	true	string	
privateDnsName	Private DNS name	true	string	
imageId	Image Id	true	string	
subnetId	Subnet Id	true	string	
availabilityZone	Availability Zone	true	string	
tags	Instance tags	true	Map[string,string]	
productCode	Product code	true	string	
tenancy	Instance Tenancy	true	string	
placementGroup	Placement Group	true	string	
keyPairName	Key Pair	true	string	
instanceProfileId	Instance profile ID	false	string	
vsalInstance		true	boolean	

Name	Description	Required	Schema	Default
oCCMInstance		true	boolean	

### InstanceTypeInfo

Name	Description	Required	Schema	Default
instanceType		true	string	
supportsEncryption		true	boolean	
supportedFeatures		true	string array	
default		true	boolean	

### InstanceTypeRegionMapping

Name	Description	Required	Schema	Default
region		true	string	
instanceType		true	string	

### InstanceTypeResponse

Name	Description	Required	Schema	Default
instanceType		true	string	

### InstanceTypesNotSupportingAccelerationAndCapacityTieringResponse

Name	Description	Required	Schema	Default
instanceTypes		true	<a href="#">InstanceTypeResponse</a> array	

### InterClusterLif

Name	Description	Required	Schema	Default
name		true	string	
address		true	string	
port		true	string	
node		true	string	
status		true	string	
peered		true	boolean	

### IpSpaceResponse

Name	Description	Required	Schema	Default
ipSpace		true	string	
vservers		true	string array	

### IpaServiceInformation

Name	Description	Required	Schema	Default
url		true	string	

### KeyManagerCaCertificateRequest

Name	Description	Required	Schema	Default
certificate		true	string	

### KeyManagerRequest

Name	Description	Required	Schema	Default
name		true	string	
address		true	string	
usernameField		false	string	
usernameValue		false	string	

### KeyManagerResponse

Name	Description	Required	Schema	Default
publicId		true	string	
name		true	string	
address		true	string	
usernameField		true	string	
usernameValue		true	string	
status		true	string	

### KeyPairsByRegionResponse

Name	Description	Required	Schema	Default
regionToKeyPairs		true	Map[string,string array]	

### KpiUnitValue

Name	Description	Required	Schema	Default
value		true	number (double)	
unit		true	string	

### LegacyInstanceTypes

Name	Description	Required	Schema	Default
instanceTypes		true	<a href="#">ProviderLegacyInstanceTypes</a>	

### LicenseAndInstanceType

Name	Description	Required	Schema	Default
licenseType		true	string	
name		true	string	
description		true	string	
capacityLimit		true	<a href="#">Capacity</a>	
instanceTypes		true	<a href="#">InstanceTypeInfo</a> array	

### LicenseAndInstanceTypeModificationRequest

Name	Description	Required	Schema	Default
instanceType	New instance type	true	string	
licenseType	New license type	true	string	

### LicenseFileContent

Name	Description	Required	Schema	Default
licenseOne		true	string	
licenseTwo		false	string	

### LicenseInformation

Name	Description	Required	Schema	Default
type		true	string	
useType		false	string	
package		false	string	
serialNumbers		true	string array	
capacityLimit		true	<a href="#">Capacity</a>	

Name	Description	Required	Schema	Default
expirations		true	integer (int64) array	

### LicenseServiceInformation

Name	Description	Required	Schema	Default
url		true	string	

### LicenseToAmis

Name	Description	Required	Schema	Default
license_type		true	string	
instance_types		true	string array	
amis		true	<a href="#">RegionalAmi</a> array	

### LicensesContent

Name	Description	Required	Schema	Default
licencesContent		true	string array	

### LicensesSerials

Name	Description	Required	Schema	Default
serials		true	string array	

### LifResponse

Name	Description	Required	Schema	Default
ip	Lif ip	true	string	
netmask	Lif netmask	true	string	
lifType	Lif type	true	string	
dataProtocols	List of supported protocols	true	string array	
nodeName	Node name	true	string	
privateIp	Whether this Lif ip is a private address	true	boolean	

### LocalAuthSetupRequest

Name	Description	Required	Schema	Default
adminUser		true	<a href="#">LocalAuthSetupUserRequest</a>	

Name	Description	Required	Schema	Default
site		true	string	
company		true	string	

### LocalAuthSetupUserRequest

Name	Description	Required	Schema	Default
email		true	string	
password		true	string	
fullName		true	string	

### MaxDisksAllow

Name	Description	Required	Schema	Default
numOfDisks		true	integer (int32)	
reason		false	string	

### MediatorProxy

Name	Description	Required	Schema	Default
url		false	string	
userName		false	string	
password		false	string	

### MediatorStatus

Name	Description	Required	Schema	Default
statusCode		true	integer (int32)	
statusMessage		true	string	

### MediatorUpdateVersionMetadata

Name	Description	Required	Schema	Default
mediatorVersion		true	string	
timeStamp		true	integer (int64)	
metadataFileName		true	string	
major		true	boolean	
manifestFileName		false	string	

## MediatorUpgradeConfiguration

Name	Description	Required	Schema	Default
dependencies		true	Map[string,string array]	

## MediatorVersionInfo

Name	Description	Required	Schema	Default
version		true	string	
description		true	string	
state		true	string	
bootVolumeld		true	string	

## MetadataResponse

Name	Description	Required	Schema	Default
globalManifest	Global Manifest	true	<a href="#">GlobalManifest</a>	
ontapManifests	ONTAP manifests	true	<a href="#">CloudOntapManifest</a> array	

## ModifyMappingRequest

Name	Description	Required	Schema	Default
newMapping		true	<a href="#">string</a> ]	

## ModifyUserTagsRequest

Name	Description	Required	Schema	Default
tags		true	<a href="#">CloudResourceTag</a> array	

## Money

Name	Description	Required	Schema	Default
amount	Amount	false	number (double)	
currency	Currency	false	string	

## MonitoringInfo

Name	Description	Required	Schema	Default
averageIops		true	number (double)	
averageLatency		false	<a href="#">KpiUnitValue</a>	



Name	Description	Required	Schema	Default
storageAverageThroughput		false	<a href="#">KpiUnitValue</a>	
node1AverageThroughput		false	<a href="#">KpiUnitValue</a>	
node2AverageThroughput		false	<a href="#">KpiUnitValue</a>	

### MonitoringInfoResponse

Name	Description	Required	Schema	Default
status		true	enum (ACTIVE, DEPLOYING, NOT_ACTIVE, DISABLED, TRIAL_EXPIRED)	
healthy		true	boolean	
url		false	string	
lastDeploymentError		false	string	
id		false	string	

### MonitoringStatusResponse

Name	Description	Required	Schema	Default
monitoringStatus		true	enum (MONITORING_ENABLED, MONITORING_DISABLED, DEPLOYING, FEATURE_DISABLED, UNKNOWN, TRIAL_EXPIRED)	
monitoringInfo		false	<a href="#">MonitoringInfo</a>	
tenantUrl		false	string	

### NTPConfigurationRequest

Name	Description	Required	Schema	Default
ntpServer	NTPS server	true	string	

### NamedExportPolicyInfo

Name	Description	Required	Schema	Default
name	Export policy name	false	string	
policyType	Export policy type	true	string	
ips	Custom export policy list of IPs	true	string array	
nfsVersion	Export policy protocol	false	string array	
rules	Export policy rules	false	<a href="#">[ExportPolicyRule]</a> array	

### NetworkInterfaceInfo

Name	Description	Required	Schema	Default
id		true	string	
primaryIpAddress		true	string	
secondaryIpAddresses		true	string array	
subnetCidrBlock		true	string	

### NetworkRequirementsResponse

Name	Description	Required	Schema	Default
nonHaNodeMinimumRequiredIps		true	integer (int32)	
haNodeMinimumRequiredIps		true	integer (int32)	
haMediatorMinimumRequiredIps		true	integer (int32)	

### NotificationServiceInformation

Name	Description	Required	Schema	Default
wsUrl		true	string	
url		true	string	

### NssAccountCredentials

Name	Description	Required	Schema	Default
nssUserName		true	string	
nssPassword		true	string	

### NssAccountRequest

Name	Description	Required	Schema	Default
accountName		false	string	
providerKeys		true	<a href="#">NssAccountCredentials</a>	
vsaList		true	string array	

### NssAccountResponse

Name	Description	Required	Schema	Default
publicId		true	string	
accountName		true	string	
accountType		true	string	
nssUserName		true	string	
vsaList		true	<a href="#">AccountWorkingEnvironmentResponse</a> array	

### NssAccountVsaListRequest

Name	Description	Required	Schema	Default
vsaList		true	string array	

### ObjectStoreConfigInfo

Name	Description	Required	Schema	Default
objectStoreName		true	string	
s3Name		true	string	
usedSpace		true	<a href="#">Capacity</a>	
server		true	string	
providerType		true	string	

### OccmExternalConfiguration

Name	Description	Required	Schema	Default
email		true	string	
aws_product_page		true	string	
cot_aws_product_page		true	string	

Name	Description	Required	Schema	Default
ha_cot_aws_product_page		true	string	
intercom_prod_app_id		true	string	
intercom_test_app_id		true	string	
livechat_license		true	string	
features		true	<a href="#">OccmFeaturesFlags</a>	
upgrade_path		true	<a href="#">OnCloudUpgradePath</a> array	
occm_release_notes_url		true	string	
evaluation_serial_numbers		true	<a href="#">EvaluationSerialNumbers</a>	
legacyInstanceTypes		true	<a href="#">LegacyInstanceTypes</a>	
aws_cross_account_tutorial_url		true	string	
disksConfiguration		true	<a href="#">DisksConfiguration</a>	
migration		true	<a href="#">OccmMigration</a>	
evaluation_ontap_licenses		true	<a href="#">EvaluationOntapLicenses</a>	
mediatorUpgradeConfiguration		true	<a href="#">MediatorUpgradeConfiguration</a>	
instanceConfiguration		true	<a href="#">InstanceConfiguration</a>	
cvsRegions		true	<a href="#">CvsRegion</a> array	
regions		true	Map[string,string array]	
servicesInformation		true	Map[string, <a href="#">ServiceInfo</a> ]	
ontapBackupTokenCreds		true	<a href="#">OntapBackupTokenCreds</a>	

## OccmFeaturesFlags

Name	Description	Required	Schema	Default
intercom		true	boolean	
aws_environment_collector		true	boolean	

## OccmMigration

Name	Description	Required	Schema	Default
migrateAll		true	boolean	
blackList		true	string array	

## OnCloudUpgradePath

Name	Description	Required	Schema	Default
version		true	string	
path		true	string array	

## OnPremAggregateResponse

Name	Description	Required	Schema	Default
name		true	string	
totalCapacity		true	<a href="#">Capacity</a>	
availableCapacity		true	<a href="#">Capacity</a>	
state		true	string	
objectStoreName		false	string	
usedCapacity		true	<a href="#">Capacity</a>	
tieringRestriction		false	<a href="#">TieringRestriction</a>	
availabilityState		false	string	
inactiveDataReportingEnabled		true	boolean	
objectStoreAttachEligible		true	boolean	

## OnPremCapacityFeatures

Name	Description	Required	Schema	Default
objectStoreConfigExtended		false	<a href="#">ExtendedObjectStoreConfigInfo</a>	
performanceTierUsedCapacity		true	<a href="#">Capacity</a>	
inactiveUserData		false	<a href="#">Capacity</a>	
rawCapacity		true	<a href="#">Capacity</a>	
fiveYearSavings		true	number (double)	

## OnPremClusterProperties

Name	Description	Required	Schema	Default
clusterAddress		true	string	
ontapVersion		true	string	
clusterName		true	string	
serialNumber		true	string	
systemId		true	string	
licenses		true	string array	
systemManagerUrl		true	string	
location		true	enum (ON_PREM, AZURE, AWS, SOFTLAYER, GOOGLE, CLOUD_TIERING)	
clusterUuid		true	string	
nodeModels		true	string array	
lifs		true	<a href="#">LifResponse</a> array	
snapmirrorLicenseExists		true	boolean	

## OnPremVolumeCreateRequest

Name	Description	Required	Schema	Default
workingEnvironmentId	Target working environment ID	true	string	
svmName	SVM name	true	string	
aggregateName	Aggregate in which to create the volume	true	string	
name	Volume name, unique within the SVM	true	string	
size	Size as Capacity	true	<a href="#">PositiveCapacity</a>	
initialSize	Initial size as Capacity. Relevant for thin provisioned volumes only. Default to 0.	false	<a href="#">Capacity</a>	
snapshotPolicyName	Snapshot policy name	true	string	
exportPolicyInfo	NFS protocol parameters	false	<a href="#">ExportPolicyInfo</a>	

Name	Description	Required	Schema	Default
shareInfo	CIFS protocol parameters	false	<a href="#">CreateCifsShareInfo Request</a>	
enableThinProvisioning	Enable thin provisioning	true	boolean	
enableCompression	Enable compression	true	boolean	
enableDeduplication	Enable deduplication	true	boolean	
syncToS3	Add Cloud Sync relationship	true	boolean	
volumeTags	Optionally provide key-value pairs with which to tag the ONTAP volume using App Template service	false	<a href="#">VolumeTags</a> array	
iscsiInfo		true	<a href="#">CreateIscsiInfoRequest</a>	

### OnPremVolumeModifyRequest

Name	Description	Required	Schema	Default
snapshotPolicyName	Snapshot Policy name	false	string	
shareInfo	Share names, permissions and users for CIFS	false	<a href="#">CifsShareInfo</a>	
exportPolicyInfo	Export policy info for NFS	false	<a href="#">NamedExportPolicyInfo</a>	
tieringPolicy	Tiering policy	false	enum (none, snapshot_only, auto, backup, all)	
minimumCoolingDays	Tiering minimum cooling days	false	integer (int32)	

### OnPremVolumeRequest

Name	Description	Required	Schema	Default
sourceSvmName	Source SVM name	true	string	
sourceVolumeName	Source volume name	true	string	
destinationVolumeName	Destination volume name	true	string	

Name	Description	Required	Schema	Default
destinationAggregateName	Destination aggregate name	true	string	
destinationSvmName	Destination SVM name	true	string	
destinationCapacityTier	Destination aggregate capacity tier	false	enum (S3, Blob)	
tieringPolicy	Tiering policy	false	enum (none, auto, all)	

### OnPremWorkingEnvironmentDiscoverRequest

Name	Description	Required	Schema	Default
tenantId		true	string	
description		false	string	
name		true	string	
clusterAddress		true	string	
clusterUserName		true	string	
clusterPassword		true	string	
location		true	enum (ON_PREM, AZURE, AWS, SOFTLAYER, GOOGLE, CLOUD_TIERING)	

### OnPremWorkingEnvironmentResponse

Name	Description	Required	Schema	Default
publicId		true	string	
tenantId		true	string	
description		true	string	
name		true	string	
discoverUserEmail		true	string	
location		true	string	
reservedSize		false	<a href="#">Capacity</a>	
status		false	<a href="#">StatusProperties</a>	
interClusterLifs		false	<a href="#">InterClusterLif</a> array	
cronJobSchedules		false	<a href="#">CronJobSchedule</a> array	



Name	Description	Required	Schema	Default
svms		false	<a href="#">Svm</a> array	
snapshotPolicies		false	<a href="#">SnapshotPolicy</a> array	
replicationProperties	Working environments in which a SnapMirror relationship exists between volumes on this working environment	false	<a href="#">ReplicationProperties</a>	
clusterProperties		false	<a href="#">OnPremClusterProperties</a>	
ontapClusterProperties		false	<a href="#">OnPremClusterProperties</a>	
workingEnvironmentType		true	string	
cloudSyncProperties		false	<a href="#">CloudSyncProperties</a>	
actionsRequired		false	<a href="#">ActionRequired</a> array	
capacityFeatures		false	<a href="#">OnPremCapacityFeatures</a>	
aff		true	boolean	
cbsProperties		false	<a href="#">CbsPropertiesWithReason</a>	
complianceProperties		false	<a href="#">CloudComplianceStatusResponse</a>	
monitoringProperties		false	<a href="#">MonitoringStatusResponse</a>	

### OntapBackupTokenCreds

Name	Description	Required	Schema	Default
id		true	string	
secret		true	string	

### OntapClusterProperties

Name	Description	Required	Schema	Default
nodes		true	<a href="#">OntapNodeProperties</a> array	
clusterName		true	string	

Name	Description	Required	Schema	Default
clusterUuid		true	string	
ontapVersion		true	string	
systemManagerUrl		true	string	
creationTime		true	integer (int64)	
licenseType		true	<a href="#">VsaLicense</a>	
licensePackageName		false	string	
lastModifiedOffbox		false	integer (int64)	
offboxTarget		true	boolean	
upgradeVersions		false	<a href="#">OntapUpdateImageMetadata</a> array	
writingSpeedState		false	string	
broadcastDomainInfos		true	<a href="#">BroadcastDomainInfo</a> array	
evaluation		true	boolean	
capacityTierInfo		false	<a href="#">CapacityTierInfo</a>	
canConfigureCapacityTier		true	boolean	
usedCapacity		true	<a href="#">Capacity</a>	
userName		true	string	
wormEnabled		true	boolean	
vscanFileOperationDefaultProfile		true	string	
spaceReportingLogical		true	boolean	
keystoneSubscription		true	boolean	

## OntapEncryption

Name	Description	Required	Schema	Default
keyManagerIds		true	string array	
keyManagerCaCertificateId		true	string	

## OntapLicenseType

Name	Description	Required	Schema	Default
type		true	string	
name		true	string	
description		true	string	
subName		true	string	
subDescription		true	string	
capacity_limit		true	string	
platformLicenseRequired		true	boolean	
default		true	boolean	
capacityLimit		true	<a href="#">Capacity</a>	

### OntapNodeProperties

Name	Description	Required	Schema	Default
name		true	string	
lifs		true	<a href="#">LifResponse</a> array	
serialNumber		true	string	
systemId		true	string	
platformLicense		false	string	
platformSerialNumber		false	string	
cloudProviderId		true	string	
healthy		true	boolean	
inTakeover		true	boolean	

### OntapUpdateImageMetadata

Name	Description	Required	Schema	Default
imageVersion		true	string	
lastModified		true	integer (int64)	
autoUpdateAllowed		true	boolean	

### PackageInfoResponse

Name	Description	Required	Schema	Default
name		true	string	
displayName		true	string	

Name	Description	Required	Schema	Default
description		true	string	
licenseType		true	string	
instanceTypeMapping		true	<a href="#">InstanceTypeRegionMapping</a> array	
diskType		true	string	
diskSize		true	<a href="#">Capacity</a>	
capacityTier		false	string	
instanceTenancy		false	string	
writingSpeedState		true	string	
iops		false	integer (int32)	
throughput		false	integer (int32)	

### PasswordWrapper

Name	Description	Required	Schema	Default
password		true	string	

### PolicySchedule

Name	Description	Required	Schema	Default
frequency	Frequency	true	string	
retention	Retention	true	integer (int32)	

### PortalInformation

Name	Description	Required	Schema	Default
edit_user_url		true	string	
portalBackEnd		true	string	
portalFrontEnd		true	string	

### PortalService

Name	Description	Required	Schema	Default
usePortalAuthentication		true	boolean	
auth0Information		false	<a href="#">Auth0Information</a>	
portalInformation		false	<a href="#">PortalInformation</a>	
saasFrontEnd		true	string	

### PortalSetupAsServiceConnectorRequest

Name	Description	Required	Schema	Default
site	Site	true	string	
company	Company	true	string	
tenancyAccountId	Tenancy account Id	false	string	

### PositiveCapacity

Name	Description	Required	Schema	Default
size	Size	true	number (double)	
unit	Unit	true	string	

### ProvidedLicenseResponse

Name	Description	Required	Schema	Default
license		true	string	
serialNumber		true	string	
contractEndDate		false	integer (int64)	

### ProviderLegacyInstanceTypes

Name	Description	Required	Schema	Default
aws		true	string array	
azure		true	string array	

### ProviderProperties

Name	Description	Required	Schema	Default
regionName		true	string	
resourceGroup	Resource group	true	<a href="#">AzureResourceGroupResponse</a>	
vnetCidr		true	string	
tags		true	Map[string,string]	
subscriptionId		true	string	
deploymentId		true	string	
creationTime		true	integer (int64)	
instanceType		true	string	
numOfNics		true	integer (int32)	

Name	Description	Required	Schema	Default
singleNetworkInterface		true	boolean	
subscriptionName		true	string	
cloudProviderAccountId		false	string	
availabilityZone		false	integer (int32)	
dataDisks		false	<a href="#">AzureDataDiskResponse</a> array	

### ProviderSpecific

Name	Description	Required	Schema	Default
azureRgName		false	string	
gcpProjectId		false	string	
gcpRegion		false	string	

### ProviderSupportedRegions

Name	Description	Required	Schema	Default
aws		true	<a href="#">Region</a> array	
azure		true	<a href="#">Region</a> array	

### ProviderVolumeResponse

Name	Description	Required	Schema	Default
id	Id	true	string	
name	Name	true	string	
size	Size	true	<a href="#">Capacity</a>	
state	State	true	string	
device	Device	true	string	
instanceId	InstanceId	true	string	
diskType	Type	true	string	
encrypted	Encrypted	true	boolean	
iops	Provisioned IOPS	false	integer (int32)	
throughput	Provisioned Throughput	false	integer (int32)	

## ProviderVolumeTypeResponse

Name	Description	Required	Schema	Default
size		true	<a href="#">Capacity</a>	
supportedVolumeTypes		true	string array	
maxDisksAllow		true	<a href="#">MaxDisksAllow</a>	

## ProxyUri

Name	Description	Required	Schema	Default
uri		false	string	
proxyUserName		false	string	
proxyPassword		false	string	
proxyDomain		false	string	

## RecoverAzureHARequest

Name	Description	Required	Schema	Default
region		true	string	
resourceGroupName		true	string	
clusterCredentials		true	<a href="#">ClusterCredentialsRequest</a>	
tenantId		true	string	
providerAccount	ID of subscription where VSA is located	false	string	
cloudProviderAccount	Cloud Provider Account	false	string	
nssAccountId	Nss Account	false	string	

## RecoverAzureVSAResponse

Name	Description	Required	Schema	Default
region		true	string	
id		true	string	
resourceGroupName		true	string	
instanceName		true	string	
clusterCredentials		true	<a href="#">ClusterCredentialsRequest</a>	

Name	Description	Required	Schema	Default
tenantId		true	string	
providerAccount	ID of subscription where VSA is located	false	string	
cloudProviderAccount	Cloud Provider Account	false	string	
nssAccountId	Nss Account	false	string	

### RecoverGcpHaRequest

Name	Description	Required	Schema	Default
region		true	string	
name		true	string	
clusterCredentials		true	<a href="#">ClusterCredentialsRequest</a>	
tenantId		true	string	
projectId		false	string	
nssAccountId	Nss Account	false	string	

### RecoverGcpVsaRequest

Name	Description	Required	Schema	Default
zone		true	string	
instanceName		true	string	
clusterCredentials		true	<a href="#">ClusterCredentialsRequest</a>	
tenantId		true	string	
projectId		false	string	
nssAccountId	Nss Account	false	string	

### RecoverVsaRequest

Name	Description	Required	Schema	Default
region		true	string	
stackId		true	string	
clusterCredentials		true	<a href="#">ClusterCredentialsRequest</a>	
tenantId		true	string	



Name	Description	Required	Schema	Default
cloudProviderAccount	Cloud Provider Account	false	string	
nssAccountId	Nss Account	false	string	

## Region

Name	Description	Required	Schema	Default
name		true	string	
code		true	string	
location		true	string	
s3Region		false	string	

## RegionalAmi

Name	Description	Required	Schema	Default
region		true	string	
ami_id		true	string	
saas_mp		true	boolean	

## RegistrationResponse

Name	Description	Required	Schema	Default
clientId		true	string	

## ReplicationInterClusterLif

Name	Description	Required	Schema	Default
name	Name	true	string	
address	Address	true	string	
netmaskLength	Netmask Length	true	integer (int32)	
port	Port	true	string	
node	Node	true	string	
status	Status	true	string	
peered		true	boolean	

## ReplicationInterClusterLifs

Name	Description	Required	Schema	Default
interClusterLifs	Working Environment Intercluster Lifs	true	<a href="#">ReplicationInterClusterLif</a> array	
peerInterClusterLifs	Peer Working Environment Intercluster Lifs	true	<a href="#">ReplicationInterClusterLif</a> array	

### ReplicationProperties

Name	Description	Required	Schema	Default
peers		true	string array	
replicationTargets		true	string array	

### ReplicationRequest

Name	Description	Required	Schema	Default
sourceWorkingEnvironmentId	Source working environment Id	true	string	
destinationWorkingEnvironmentId	Destination working environment Id	true	string	
sourceInterclusterLifs	Source intercluster LIF IPs	true	string array	
destinationInterclusterLifs	Destination intercluster LIF IPs	true	string array	
policyName	SnapMirror policy name	true	string	
scheduleName	Schedule name	false	string	
maxTransferRate	Maximum transfer rate limit (KB/s). Use 0 for no limit, otherwise use number between 1024 and 2,147,482,624	false	integer (int32)	

### ReplicationSchedule

Name	Description	Required	Schema	Default
name	Name	true	string	
description	Description	false	string	
cronJobSchedule	Cron jobs schedule	true	<a href="#">CronJobScheduleResponse</a>	

### ReplicationStatusCurrentTransferInfo

Name	Description	Required	Schema	Default
transferType	Current transfer type	true	enum (initialize, update, resync, restore, check, file_restore)	
transferPriority	Current transfer priority	true	enum (low, normal)	
transferError	Current transfer error	true	string	

### ReplicationStatusLastTransferInfo

Name	Description	Required	Schema	Default
transferType	Last transfer type	true	enum (initialize, update, resync, restore, check, file_restore)	
transferSize	Last transfer size	true	<a href="#">Capacity</a>	
transferDuration	Last transfer duration	true	<a href="#">Duration</a>	
transferEnded	Last transfer end time	true	string (date-time)	
transferError	Last transfer error	true	string	

### ReplicationStatusResponse

Name	Description	Required	Schema	Default
source	Source Details	true	<a href="#">ReplicationStatusSid</a> <a href="#">e</a>	
destination	Destination Details	true	<a href="#">ReplicationStatusSid</a> <a href="#">e</a>	
mirrorState	SnapMirror status	true	enum (uninitialized, snapmirrored, brokenoff, undefined)	
relationshipType	SnapMirror relationship type	true	enum (data_protection, load_sharing, vault, restore, transition_data_protection, extended_data_protection)	

Name	Description	Required	Schema	Default
relationshipStatus	SnapMirror relationship status	true	enum (idle, transferring, checking, quiescing, quiesced, queued, preparing, finalizing, aborting, breaking)	
relationshipProgress	SnapMirror relationship progress	true	Capacity	
policy	Policy name	true	string	
policyType	Policy type	true	enum (vault, async_mirror, mirror_vault, sync_mirror)	
schedule	Schedule name	true	string	
maxTransferRate	Maximum transfer rate limit	true	Capacity	
networkCompressionRatio	Network compression ratio	true	string	
healthy	SnapMirror healthiness	true	boolean	
unhealthyReason	SnapMirror un-healthiness reason	true	string	
lagTime	Replication lag time	true	Duration	
newestSnapshotName	Newest snapshot name	true	string	
newestSnapshotCreated	Newest snapshot creation time	true	string (date-time)	
lastTransferInfo	Last transfer Information	true	ReplicationStatusLastTransferInfo	
currentTransferInfo	Current transfer Information	true	ReplicationStatusCurrentTransferInfo	
totalTransferTime	Total transfer time	true	Duration	
totalTransferSize	Total transfer size	true	Capacity	
volumeUsedSize	Volume used size	true	Capacity	
volumeCapacityTier	Volume capacity tier	true	Capacity	

### ReplicationStatusSide

Name	Description	Required	Schema	Default
workingEnvironmentId	Working environment ID	true	string	

Name	Description	Required	Schema	Default
workingEnvironmentType	Working environment type	true	string	
workingEnvironmentStatus	Working environment status	true	string	
clusterName	Cluster name	true	string	
region	AWS region name	false	string	
availabilityZone	AWS availability zone name	false	string	
svmName	Svm name	true	string	
nodeName	Node name	false	string	
volumeName	Volume name	true	string	

### ReplicationToFsxRequest

Name	Description	Required	Schema	Default
sourceWorkingEnvironmentId	Source working environment Id	true	string	
destinationFsxId	Destination FSx working environment fileSystemId	true	string	
sourceInterclusterLifs	Source intercluster LIF IPs	true	string array	
policyName	SnapMirror policy name	true	string	
scheduleName	Schedule name	false	string	
maxTransferRate	Maximum transfer rate limit (KB/s). Use 0 for no limit, otherwise use number between 1024 and 2,147,482,624	false	integer (int32)	

### ReplicationUpdateRequest

Name	Description	Required	Schema	Default
schedule	New replication schedule name	false	string	

Name	Description	Required	Schema	Default
maxTransferRate	New maximum transfer rate limit (KB/s). Use 0 for no limit, otherwise use number between 1024 and 2,147,482,624	false	integer (int32)	

### ResetPassword

Name	Description	Required	Schema	Default
oldPassword	User's current password	true	string	
newPassword	User's new password	true	string	

### ResetUserPasswordRequest

Name	Description	Required	Schema	Default
password	New password	true	string	

### ResourcesToDelete

Name	Description	Required	Schema	Default
instanceNameAndType		true	<a href="#">InstanceNameIdAndType</a> array	
numberOfDisksAndDiskSize		true	<a href="#">DisksDetails</a> array	

### RouteTableResponse

Name	Description	Required	Schema	Default
id		true	string	
main		true	boolean	
subnets		true	string array	
tags		true	<a href="#">RouteTableTag</a> array	

### RouteTableTag

Name	Description	Required	Schema	Default
key		true	string	
value		true	string	

### S3BucketInfoDetails

Name	Description	Required	Schema	Default
bucketName		true	string	
region		true	string	
tags		true	Map[string,string]	
tieringTarget		true	boolean	
backupTarget		true	boolean	

### S3BucketsSummary

Name	Description	Required	Schema	Default
s3Buckets		true	<a href="#">S3BucketInfoDetails</a> array	
totalBuckets		true	integer (int32)	
totalRegions		true	integer (int32)	
totalTieringTargets		true	integer (int32)	
totalBackupTargets		true	integer (int32)	

### S3Summary

Name	Description	Required	Schema	Default
numOfBuckets		true	integer (int32)	
numOfRegions		true	integer (int32)	
supportable		true	boolean	

### SaaSAccountResponse

Name	Description	Required	Schema	Default
awsSubscriptions	AWS Subscriptions	true	<a href="#">SubscriptionResponse</a> array	
azureSubscriptions	Azure Subscriptions	true	<a href="#">SubscriptionResponse</a> array	
gcpSubscriptions	Gcp Subscriptions	true	<a href="#">SubscriptionResponse</a> array	
eligibleForFreeTrialAWS	Eligible For Free Trial AWS	true	boolean	
eligibleForFreeTrialGcp	Eligible For Free Trial Gcp	true	boolean	
eligibleForFreeTrialAzure	Eligible For Free Trial Azure	true	boolean	

Name	Description	Required	Schema	Default
cloudAccounts	Cloud accounts	true	<a href="#">CloudAccountResponse</a> array	

### SaaSMPServiceInformation

Name	Description	Required	Schema	Default
productUrlAws		true	string	
productUrlGcp		true	string	
url		true	string	
productUrlAzure		true	string	
productUrlAwsContract		true	string	

### SaaSSubscription

Name	Description	Required	Schema	Default
id		true	string	
name		true	string	
active		true	boolean	

### SavingsInfo

Name	Description	Required	Schema	Default
name	Name of saving element	false	string	
monthlySaving	Savings for that element	false	<a href="#">Money</a>	

### SecurityGroupResponse

Name	Description	Required	Schema	Default
securityGroupId	Security group ID	true	string	
description	Description	true	string	
name	Name	true	string	

### ServerTimeZone

Name	Description	Required	Schema	Default
timeZoneName		true	string	
formattedTimeZone		true	string	



### ServiceInfo

Name	Description	Required	Schema	Default
enabled		true	boolean	
requireClientInfra		true	boolean	
cloudProvider		false	string array	
metadata		false	Map[string, string]	

### ServiceUrl

Name	Description	Required	Schema	Default
url	url	true	string	

### SetNssKeysRequest

Name	Description	Required	Schema	Default
nssUserName	NSS username	false	string	
nssPassword	NSS password	false	string	

### SetProxyRequest

Name	Description	Required	Schema	Default
uri		true	string	
proxyUserName		false	string	
proxyPassword		false	string	
proxyDomain		false	string	

### SetupInfo

Name	Description	Required	Schema	Default
needCertificate		true	boolean	
runningInDocker		true	boolean	
setup		true	boolean	
pendingConnectivity Set		true	boolean	

### SgwsCloudBackupSetupRequest

Name	Description	Required	Schema	Default
sgwsCredentials	StorageGRID credentials	true	<a href="#">SgwsCredentialsReq uest</a>	

Name	Description	Required	Schema	Default
ipSpace	Ip Space	false	string	

### SgwsCredentialsRequest

Name	Description	Required	Schema	Default
accessKey	StorageGRID Access Key	true	string	
secretKey	StorageGRID Secret Key	true	string	
serviceUrl	StorageGRID Endpoint - protocol, FQDN and Port	true	string	

### SiteIdentifier

Name	Description	Required	Schema	Default
company		true	string	
host		true	string	
site		true	string	

### SnapMirrorPolicyResponse

Name	Description	Required	Schema	Default
name		true	string	
comment		true	string	
policyType		true	string	
rules		true	<a href="#">SnapMirrorRuleResponse</a> array	
reason		false	string	
default		true	boolean	
supported		true	boolean	

### SnapMirrorRuleResponse

Name	Description	Required	Schema	Default
snapMirrorLabel		true	string	
retention		true	integer (int32)	

### SnapshotCreateRequest

Name	Description	Required	Schema	Default
snapshotName	Snapshot name	true	string	

### SnapshotDeleteRequest

Name	Description	Required	Schema	Default
snapshotName	Snapshot name	true	string array	

### SnapshotPolicy

Name	Description	Required	Schema	Default
name	Name	true	string	
schedules	Schedules	true	<a href="#">PolicySchedule</a> array	
description	Description	true	string	

### SnapshotPolicyCreateRequest

Name	Description	Required	Schema	Default
snapshotPolicyName	Snapshot policy name	true	string	
schedules	Snapshot policy schedules	true	<a href="#">SnapshotPolicyScheduleRequest</a> array	

### SnapshotPolicyScheduleRequest

Name	Description	Required	Schema	Default
scheduleType	Snapshot policy schedule type	true	enum (5min, 8hour, hourly, daily, weekly, monthly)	
retention	Snapshot policy retention	true	integer (int32)	

### SoftwareVersionAmisResponse

Name	Description	Required	Schema	Default
regionToAmi		true	<a href="#">string</a> ]	

### SoftwareVersionsResponse

Name	Description	Required	Schema	Default
versions		true	string array	

## SourceSnapmirrorEndpoint

Name	Description	Required	Schema	Default
sourceWorkingEnvironmentId	working environment Id	true	string	
sourceSvmName	SVM name	true	string	
sourceVolumeName	volume name	true	string	

## SourceTarget

Name	Description	Required	Schema	Default
source		true	<a href="#">Id</a>	
target		true	<a href="#">Id</a>	

## StartStopRange

Name	Description	Required	Schema	Default
stop		true	<a href="#">TimePoint</a>	
start		true	<a href="#">TimePoint</a>	

## Status

Name	Description	Required	Schema	Default
status		false	string	

## StatusProperties

Name	Description	Required	Schema	Default
status		true	string	
message		true	string	
failureCauses		true	<a href="#">FailureCauses</a>	
extendedFailureReason		false	string	

## SubnetResponse

Name	Description	Required	Schema	Default
subnetId	Subnet ID	true	string	
cidr	CIDR	true	string	
subnetName	Subnet name	false	string	
availabilityZone	availability zone	true	string	

Name	Description	Required	Schema	Default
availableIps	The number of available IPs on the subnet	true	integer (int32)	
minimumRequiredIps	The minimum needed IP addresses for the Cloud Volumes ONTAP creation	true	integer (int32)	
outpostArn	Outpost Arn	false	string	

### SubscriptionResponse

Name	Description	Required	Schema	Default
id	Id	true	string	
name	Name	true	string	
provider		true	enum (aws, azure, gcp)	
active	Active	true	boolean	
contract	contract	true	boolean	
byNodeMode	By node mode	true	boolean	

### SupportRegistrationInformation

Name	Description	Required	Schema	Default
supportRegistrationStatus		true	string	
serialNumber		true	string	
licenseExpiryDate		false	integer (int64)	
cloudLicenseExists		true	boolean	
nssAccountId		false	string	

### SupportRegistrationProperties

Name	Description	Required	Schema	Default
supportRegistrationStatus		true	string	
licenseExpiryDate		true	integer (int64)	

### SupportRegistrationResponse

Name	Description	Required	Schema	Default
status		true	string	
licenseExpiryDate		false	integer (int64)	
licenseStartDate		false	integer (int64)	
nssAccountId		false	string	

## SupportServices

Name	Description	Required	Schema	Default
asupEnabled		true	boolean	
cognitoEnabled		true	boolean	
kinesisEnabled		true	boolean	
intercomEnabled		true	boolean	
liveChatEnabled		true	boolean	
volumeViewEnabled		true	boolean	
portalService		true	<a href="#">PortalService</a>	
intercomAppId		true	string	
tenancyServiceInformation		false	<a href="#">TenancyServiceInformation</a>	
saasMpServiceInformation		false	<a href="#">SaasMpServiceInformation</a>	
cvssInformation		true	string	
complianceEnabled		true	boolean	
ipaServiceInformation		false	<a href="#">IpaServiceInformation</a>	
licenseServiceInformation		false	<a href="#">LicenseServiceInformation</a>	
servicesInformation		true	Map[string,Map[string,Any]]	
setupInfo		true	<a href="#">SetupInfo</a>	
useCompliancePrivatelyContainerMode		true	boolean	
notificationServiceInformation		false	<a href="#">NotificationServiceInformation</a>	

## SupportedCapacityTiers

Name	Description	Required	Schema	Default
supportedCapacityTiersPerVolumeType		true	<a href="#">SupportedCapacityTiersResponse</a> array	
capacityTiersDisableReasons		true	string array	
compositeSupported		true	boolean	
forceCompositeVersion		true	boolean	

### SupportedCapacityTiersResponse

Name	Description	Required	Schema	Default
volumeType		true	string	
supportedCapacityTiers		true	string array	
availableTieringPolicies		true	string array	

### SupportedFeatures

Name	Description	Required	Schema	Default
supportsMixedAggregates		true	boolean	
supportsTieringWithServiceAccount		true	boolean	
supportsGp3Disk		true	boolean	

### SupportedFeaturesResponse

Name	Description	Required	Schema	Default
wormSupportedVersion		true	boolean	
cbsSupportedVersion		true	boolean	
httpsStorageAccountSupportedVersion		true	boolean	
tieringWithServiceAccount		true	boolean	
s3CmkEncryptionSupportedVersion		true	boolean	
gp3SupportedVersion		true	boolean	

## Svm

Name	Description	Required	Schema	Default
name		true	string	
state		true	string	
language		true	string	
allowedAggregates		true	string array	
ver3Enabled	NFS Version 3 enabled	true	boolean	
ver4Enabled	NFS Version 4 enabled	true	boolean	

## SvmNameModificationRequest

Name	Description	Required	Schema	Default
svmNewName		true	string	
svmName		false	string	

## TagKeyResponse

Name	Description	Required	Schema	Default
key		true	string	
values		true	string array	

## TagResponse

Name	Description	Required	Schema	Default
key	tag key	true	string	
value	tag value	true	string	

## TaskCacheEntry

Name	Description	Required	Schema	Default
status		true	integer (int32)	
closeTime		true	integer (int64)	
actionName		true	string	
error		false	string	

## TenancyServiceInformation



Name	Description	Required	Schema	Default
accountId		true	string	
url		true	string	
accountWidgetUrl		true	string	
agentsMgmtUrl		true	string	
forwarderUrlOverride		true	string	

### TenantActionsRequiredResponse

Name	Description	Required	Schema	Default
weActions		true	<a href="#">WeActionRequiredResponse</a> array	

### TenantResponse

Name	Description	Required	Schema	Default
name		true	string	
publicId		true	string	
workingEnvironmentInformation		false	<a href="#">WorkingEnvironmentInformation</a>	

### TieringRestriction

Name	Description	Required	Schema	Default
restrictionReason		false	string	
tieringRestricted		true	boolean	

### TimePoint

Name	Description	Required	Schema	Default
day		true	integer (int32)	
hour		true	integer (int32)	
minute		true	integer (int32)	

### TrustedCertificateResponse

Name	Description	Required	Schema	Default
id	ID	true	string	

Name	Description	Required	Schema	Default
status	Status	true	enum (ACTIVE, PENDING_DELETE, PENDING_INSTALLED)	
certificateInfo	Certificate Info	true	<a href="#">CertificateResponse</a>	

### UpdateCredentialsRequest

Name	Description	Required	Schema	Default
username	Username	true	string	
password	Password	true	string	

### UpdateInfo

Name	Description	Required	Schema	Default
name		true	string	
date		true	integer (int64)	
releaseNumber		true	integer (int32)	

### UpdateKeyManagerCaCertificateRequest

Name	Description	Required	Schema	Default
keyManagerCaCertificateId		true	string	

### UpdateLocalImage

Name	Description	Required	Schema	Default
name		true	string	
version		true	string	
current		true	boolean	

### UpdateRouteTablesRequest

Name	Description	Required	Schema	Default
routeTableIds		true	string array	

### UpdateServiceUser

Name	Description	Required	Schema	Default
cloudManagerNotificationsOptIn		true	boolean	

### UpdateSubscriptionRequest

Name	Description	Required	Schema	Default
subscriptionId	SaaS Marketplace subscription id	true	string	

### UpdateSystemImageRequest

Name	Description	Required	Schema	Default
updateType	System update type. System update can be performed by providing either: an external URL from which ONTAP will download the image file, a local image already in ONTAP or a name of an image provided by Cloud Manager	true	enum (EXTERNAL_FILE, LOCAL_IMAGE, OCCM_PROVIDED)	
updateParameter	Parameter specific to the specified update type. External file URL, local image name or Cloud Manager provided image name	true	string	

### UpdateTenantRequest

Name	Description	Required	Schema	Default
name	Tenant name	true	string	
description	Tenant description	false	string	
costCenter	Tenant cost center	false	string	

### UpdateUserRequest

Name	Description	Required	Schema	Default
firstName	User first name	true	string	
lastName	User last name	true	string	

Name	Description	Required	Schema	Default
email	User email	true	string	
ldapUserName	AD user name	false	string	
notificationsOptIn	Email notifications opt-in	false	boolean	

## Usage

Name	Description	Required	Schema	Default
amount	Amount	false	number (double)	
units	Units	false	string	

## UserPasswordRequest

Name	Description	Required	Schema	Default
email	Email address of the user attempting to login	true	string	
password	Password of the user attempting to login	true	string	

## UserRequest

Name	Description	Required	Schema	Default
firstName	User first name	true	string	
lastName	User last name	true	string	
email	User email	true	string	
roleId	Role ID of the user	true	string	
tenantId	Tenant ID of the user	false	string	
password	User password	true	string	
ldapUserName	LDAP User Name	false	string	
notificationsOptIn	Email notifications opt-in	false	boolean	
ldap		true	boolean	

## UserResponse

Name	Description	Required	Schema	Default
publicId	User public ID	true	string	

Name	Description	Required	Schema	Default
assignedWorkingEnvironments	List of public IDs of all of the working environments visible to the user	true	string array	
firstName	User first name	true	string	
lastName	User last name	true	string	
email	User email	true	string	
roleId	Role ID of the user	true	string	
tenantId	Tenant ID of the user	true	string	
createdWorkingEnvironments	List of all working environments created by the user	true	<a href="#">UserWorkingEnvironmentResponse</a> array	
cloudSyncLicenseInformation	Cloud Sync license information	false	<a href="#">CloudSyncLicenseInformation</a>	
ldapUserName	LDAP User Name	true	string	
notificationsOptIn	Notification OptIn	true	boolean	
permissions	Permissions	true	string array	
ldap		true	boolean	

### UserTagsResponse

Name	Description	Required	Schema	Default
tags		true	<a href="#">CloudResourceTag</a> array	

### UserWorkingEnvironmentResponse

Name	Description	Required	Schema	Default
publicId	Working environment public ID	true	string	
name	Working environment name	true	string	
workingEnvironmentType	Working environment Type	true	string	

### VersionWrapper

Name	Description	Required	Schema	Default
name		true	string	

Name	Description	Required	Schema	Default
date		true	integer (int64)	
releaseNumber		true	integer (int32)	

### VhdImageRequest

Name	Description	Required	Schema	Default
blobUrl		true	string	

### VmDiskProperties

Name	Description	Required	Schema	Default
objectName		true	string	
storageAccountName		true	string	
containerName		true	string	

### Volume

Name	Description	Required	Schema	Default
name	Name	true	string	
totalSize	Volume total size	true	<a href="#">Capacity</a>	
usedSize	Volume used size	true	<a href="#">Capacity</a>	
thinProvisioned	Is volume thin-provisioned	true	boolean	
rootVolume	Is volume the root volume of the SVM	true	boolean	
clone		true	boolean	

### VolumeCbsInfo

Name	Description	Required	Schema	Default
totalBackups		true	integer (int32)	

### VolumeCloneRequest

Name	Description	Required	Schema	Default
newVolumeName	New volume name	true	string	
parentSnapshot	Snapshot name to use for clone	false	string	

## VolumeForBackupResponse

Name	Description	Required	Schema	Default
name		true	string	
uuid		true	string	
svmName		true	string	
size		true	<a href="#">Capacity</a>	
usedSize		true	<a href="#">Capacity</a>	
state		true	string	
providerVolumeType		false	string	
volumeType		true	string	
disableReasonBackup		true	string array	
backupOn		true	boolean	

## VolumeInfo

Name	Description	Required	Schema	Default
volumeName		true	string	
svmName		true	string	
newCapacity		true	<a href="#">Capacity</a>	

## VolumeModifyRequest

Name	Description	Required	Schema	Default
snapshotPolicyName	Snapshot Policy name	false	string	
shareInfo	Share names, permissions and users for CIFS	false	<a href="#">CifsShareInfo</a>	
exportPolicyInfo	Export policy info for NFS	false	<a href="#">NamedExportPolicyInfo</a>	
qualityOfService	Quality of service	false	<a href="#">VolumeQualityOfService</a>	
tieringPolicy	Tiering policy	false	enum (none, snapshot_only, auto, all)	
minimumCoolingDays	Tiering minimum cooling days	false	integer (int32)	

## VolumeMoveParameters

Name	Description	Required	Schema	Default
volumeName		true	string	
svmName		true	string	
targetAggregateName		true	string	
homeNode		false	string	
newTargetAggregate		true	boolean	

## VolumeMoveRequest

Name	Description	Required	Schema	Default
targetAggregateName	Target aggregate name	true	string	
numOfDisksToAdd	Target aggregate number of disks to add	true	integer (int32)	
createTargetAggregate	Is new Target aggregate	true	boolean	
newDiskTypeName	Volume's new Disk type	false	string	
newCapacityTier	New capacity tier	false	enum (S3, Blob, cloudStorage)	
newTieringPolicy	New tiering policy	false	enum (none, snapshot_only, auto, all)	

## VolumeQualityOfService

Name	Description	Required	Schema	Default
maxIops		false	integer (int32)	
maxDataRate	Max Data rate per second	false	<a href="#">Capacity</a>	

## VolumeResponse

Name	Description	Required	Schema	Default
name	Volume name	true	string	
uuid	Volume uuid	true	string	
svmName	Volume SVM name	true	string	
size	Volume total size	true	<a href="#">Capacity</a>	



Name	Description	Required	Schema	Default
usedSize	Volume used size	true	<a href="#">Capacity</a>	
junctionPath	The junction path at which this volume is mounted	true	string	
volumeTotalInodes	Total volume inodes size	false	integer (int32)	
volumeUsedInodes	Used volume inodes size	false	integer (int32)	
mountPoint	Mount Point	false	string	
compressionSpaceSaved	The total disk capacity that is saved by compressing blocks	true	<a href="#">Capacity</a>	
deduplicationSpaceSaved	The disk space capacity that is saved by deduplication and file cloning	true	<a href="#">Capacity</a>	
thinProvisioning	Whether thin provisioning is enabled	true	boolean	
compression	Whether compression is enabled	true	boolean	
deduplication	Whether deduplication is enabled	true	boolean	
snapshotPolicy	The name of the Snapshot policy	true	string	
securityStyle	The type of the Security style	true	string	
exportPolicyInfo	The export policy info for NFS	true	<a href="#">NamedExportPolicyInfo</a>	
shareNames	The share names for CIFS	true	string array	
shareInfo	The share names, permissions and users for CIFS	true	<a href="#">CifsShareInfo</a> array	
parentVolumeName	Name of the parent flexible volume for the clone	true	string	

Name	Description	Required	Schema	Default
rootVolume	Flag to indicate if the volume is a SVM root	true	boolean	
state	Volume state	true	string	
volumeType	Volume type	true	string	
aggregateName	Aggregate name	true	string	
parentSnapshot	The snapshot name the volume is based on	false	string	
autoSizeMode	The operating mode of autosize	true	string	
maxGrowSize	The maximum size to which the volume will grow automatically	true	Capacity	
providerVolumeType	Cloud provider volume type	false	string	
cloneNames	Names of cloned copies of the volume	true	string array	
moving	Is Volume during move process	true	boolean	
primaryNoFailoverMountPoint	Primary mount point without failover	false	string	
secondaryNoFailoverMountPoint	Secondary mount point without failover	false	string	
capacityTier	Capacity tier	false	enum ([S3, Blob])	
capacityTierUsedSize	Capacity tier used size	false	Capacity	
cifsShareAccessPoint	CIFS share access point	false	string	
primaryCifsShareAccessPoint	Primary CIFS share access point	false	string	
secondaryCifsShareAccessPoint	Secondary CIFS share access point	false	string	
tieringPolicy	Tiering policy	false	string	
tierInactiveUserData	Tier inactive user data	false	Capacity	
tierInactiveUserDataPercent	Tier inactive user data percent	false	integer (int32)	
comment	Volume comment	false	string	

Name	Description	Required	Schema	Default
qosPolicyGroupName	Quality of service policy group name	false	string	
snaplockType	Snaplock type	false	enum (non_snaplock, compliance, enterprise)	
constituentsAggregates	Aggregates which are used for FlexGroup constituents	true	string array	
snapshotsUsedSize	The size that is used by snapshots in the volume	false	<a href="#">Capacity</a>	
cbsBackupsInfo	Backup to Cloud Service info	false	<a href="#">VolumeCbsInfo</a>	
minimumCoolingDays	Tiering minimum cooling days	false	integer (int32)	
targetName	ISCSI target IQN	true	string	
iscsiEnabled		true	boolean	
flexGroupVolume		true	boolean	

## VolumeTags

Name	Description	Required	Schema	Default
tagKey		true	string	
tagValue		true	string	

## VolumesListForBackup

Name	Description	Required	Schema	Default
volumes		true	<a href="#">VolumeForBackupResponse</a> array	
totalNumberOfVolumes		true	integer (int32)	
filteredNumberOfVolumes		false	integer (int32)	
hasNextPage		false	boolean	
allowedValuesForVolumesListFilter		false	<a href="#">AllowedValuesForVolumesListFilter</a>	

## VpcBasicResponse

Name	Description	Required	Schema	Default
vpclId	VPC ID	true	string	
state	VPC state	true	string	
cidrBlock	VPC CIDR block	true	string	
tags	VPC tags	true	<a href="#">VpcTagResponse</a> array	
default	Is the VPC a default one	true	boolean	

## VpcExtendedResponse

Name	Description	Required	Schema	Default
vpclId	VPC ID	true	string	
state	VPC state	true	string	
cidrBlock	VPC CIDR block	true	string	
tags	VPC tags	true	<a href="#">VpcTagResponse</a> array	
default	Is the VPC a default one	true	boolean	
subnets	Subnets associated with vpc	true	<a href="#">SubnetResponse</a> array	
securityGroups	Security groups associated with vpc	true	<a href="#">SecurityGroupResponse</a> array	
tenancy	VPC Tenancy	true	string	

## VpcTagResponse

Name	Description	Required	Schema	Default
key	VPC tag key	true	string	
value	VPC tag value	true	string	

## VsaAggregateCreateRequest

Name	Description	Required	Schema	Default
name		true	string	
workingEnvironmentId		true	string	
numberOfDisks		true	integer (int32)	
diskSize		true	<a href="#">Capacity</a>	

Name	Description	Required	Schema	Default
homeNode		false	string	
providerVolumeType		false	string	
capacityTier		false	enum (S3, Blob, cloudStorage)	
iops	Provisioned IOPS	false	integer (int32)	
throughput	Provisioned Throughput	false	integer (int32)	

## VsaClusterProperties

Name	Description	Required	Schema	Default
lifs		true	<a href="#">LifResponse</a> array	
serialNumber		true	string	
systemId		true	string	
clusterName		true	string	
ontapVersion		true	string	
accountId		true	string	
productCode		true	string	
amild		true	string	
systemManagerUrl		true	string	
creationTime		true	integer (int64)	
instanceId		true	string	
platformLicense		true	string	
licenseExpiryDate		true	integer (int64)	
instanceType		true	string	
publicIp		false	string	
publicDnsName		false	string	
licenseType		true	<a href="#">VsaLicense</a>	
lastModifiedOffbox		false	integer (int64)	
offboxTarget		true	boolean	
upgradeVersions		false	<a href="#">OntapUpdateImage Metadata</a> array	
writingSpeedState		false	string	

## VsaLicense

Name	Description	Required	Schema	Default
name	License name	true	string	
capacityLimit	Capacity limit	true	<a href="#">Capacity</a>	

## VsaMetadataRequest

Name	Description	Required	Schema	Default
ontapVersion	Ontap Version	true	string	
licenseType	License Type	true	string	
instanceType	Instance Type	true	string	
platformSerialNumber	Optional platform Serial Number	false	string	
providedLicense	Optional provided License	false	string	
capacityPackageName	Optional Capacity Based Package	false	enum (Professional, Essential, Freemium)	
keyStoneSubscription	Keystone Subscription Id	false	string	
useLatestVersion	Use Latest Version	false	boolean	

## VsaSchedule

Name	Description	Required	Schema	Default
name		true	string	
schedule		true	<a href="#">StartStopRange</a> array	
enabled		true	boolean	

## VsaSchedulesRequest

Name	Description	Required	Schema	Default
schedules		true	<a href="#">VsaSchedule</a> array	

## VsaVolumeCreateRequest

Name	Description	Required	Schema	Default
workingEnvironmentId	Cloud Volumes ONTAP Working Environment ID	true	string	

Name	Description	Required	Schema	Default
svmName	SVM name	true	string	
aggregateName	Aggregate in which the volume will be created	true	string	
name	Volume name, unique within the SVM	true	string	
size	Size as Capacity	true	<a href="#">PositiveCapacity</a>	
initialSize	Initial size as Capacity. Relevant for thin provisioned volumes only	false	<a href="#">Capacity</a>	
snapshotPolicyName	Snapshot Policy name	true	string	
exportPolicyInfo	NFS protocol parameters	false	<a href="#">ExportPolicyInfo</a>	
shareInfo	CIFS protocol parameters	false	<a href="#">CreateCifsShareInfoRequest</a>	
enableThinProvisioning	Enable thin provisioning	true	boolean	
enableCompression	Enable compression	true	boolean	
enableDeduplication	Enable deduplication	true	boolean	
maxNumOfDisksApprovedToAdd	Maximum number of disks approved to allocate	true	integer (int32)	
providerVolumeType	Provider volume type	false	string	
syncToS3	Add Cloud Sync relationship	true	boolean	
capacityTier	Capacity tier	false	enum (S3, Blob, cloudStorage)	
iops	Provisioned IOPS	false	integer (int32)	
throughput	Provisioned Throughput	false	integer (int32)	
tieringPolicy	Tiering policy	false	enum (none, snapshot_only, auto, all)	
junctionPath	Junction path	false	string	
qualityOfService	Quality of service	false	<a href="#">VolumeQualityOfService</a>	

Name	Description	Required	Schema	Default
minimumCoolingDays	Cooling Days	false	integer (int32)	
volumeTags	Optionally provide key-value pairs with which to tag the ONTAP volume using App Template service	false	<a href="#">VolumeTags</a> array	
iscsiInfo		true	<a href="#">CreateIscsiInfoRequest</a>	

### VsaVolumeOnNewVsaCreateRequest

Name	Description	Required	Schema	Default
name	Volume name, unique within the SVM	true	string	
size	Size as Capacity	true	<a href="#">PositiveCapacity</a>	
initialSize	Initial size as Capacity. Relevant for thin provisioned volumes only.	false	<a href="#">Capacity</a>	
snapshotPolicyName		true	string	
exportPolicyInfo	NFS protocol parameters	false	<a href="#">ExportPolicyInfo</a>	
shareInfo	CIFS protocol parameters	false	<a href="#">CreateCifsShareInfoRequest</a>	
enableThinProvisioning	Enable thin provisioning	true	boolean	
enableCompression	Enable compression	true	boolean	
enableDeduplication	Enable deduplication	true	boolean	
tieringPolicy	Tiering policy	false	enum (none, snapshot_only, auto, all)	
junctionPath	Junction path	false	string	
qualityOfService	Quality of service	false	<a href="#">VolumeQualityOfService</a>	
iscsiInfo		true	<a href="#">CreateIscsiInfoRequest</a>	



## VsaVolumeQuoteRequest

Name	Description	Required	Schema	Default
workingEnvironmentId	Cloud Volumes ONTAP Working Environment ID	true	string	
svmName	SVM name	true	string	
aggregateName	Optionally choose in which aggregate to create the volume	false	string	
name	Volume name, unique within the SVM	true	string	
size	Size as Capacity	true	<a href="#">PositiveCapacity</a>	
initialSize	Initial size as Capacity. Relevant for thin provisioned volumes only	false	<a href="#">Capacity</a>	
enableThinProvisioning	Enable thin provisioning	true	boolean	
providerVolumeType	Provider volume type	false	string	
verifyNameUniqueness	Verify volume name uniqueness within the SVM	true	boolean	
capacityTier	Capacity tier	false	enum (S3, Blob, cloudStorage)	
iops	Provisioned IOPS	false	integer (int32)	
throughput	Provisioned Throughput	false	integer (int32)	
tieringPolicy	Tiering policy	false	enum (none, snapshot_only, auto, all)	
replicationFlow		true	boolean	

## VsaVolumeQuoteResponse

Name	Description	Required	Schema	Default
numOfDisks	Number of new disks needed	true	integer (int32)	
diskSize	New disks size	true	<a href="#">Capacity</a>	

Name	Description	Required	Schema	Default
aggregateName	The aggregate on which the requested volume will be created	true	string	
newAggregate	Is it a newly created aggregate	true	boolean	
autoVsaCapacityManagement	Is auto Cloud Volumes ONTAP capacity management enabled	true	boolean	

### VsaVolumeRequest

Name	Description	Required	Schema	Default
sourceSvmName	Source SVM name	true	string	
sourceVolumeName	Source volume name	true	string	
destinationVolumeName	Destination volume name	true	string	
destinationAggregateName	Destination aggregate name	true	string	
numOfDisksApprovedToAdd	Maximum number of disks approved to add	true	integer (int32)	
advancedMode	Use advanced allocation for destination volume	true	boolean	
destinationProviderVolumeType	Destination provider volume type	false	string	
destinationCapacityTier	Destination aggregate capacity tier	false	enum (S3, Blob, cloudStorage)	
destinationSvmName	Destination SVM name	false	string	
iops	Provisioned IOPS	false	integer (int32)	
throughput	Provisioned Throughput	false	integer (int32)	
tieringPolicy	Tiering policy	false	enum (none, auto, all)	

## VsaWorkingEnvironmentResponse

Name	Description	Required	Schema	Default
publicId		true	string	
name		true	string	
tenantId		true	string	
svmName		false	string	
creatorUserEmail		true	string	
status		false	<a href="#">StatusProperties</a>	
awsProperties		false	<a href="#">AwsProperties</a>	
reservedSize		false	<a href="#">Capacity</a>	
encryptionProperties		false	<a href="#">EncryptionProperties</a>	
clusterProperties		false	<a href="#">VsaClusterProperties</a>	
ontapClusterProperties		false	<a href="#">OntapClusterProperties</a>	
actionsRequired		false	<a href="#">ActionRequired</a> array	
interClusterLifs		false	<a href="#">InterClusterLifs</a> array	
cronJobSchedules		false	<a href="#">CronJobSchedule</a> array	
snapshotPolicies		false	<a href="#">SnapshotPolicy</a> array	
svms		false	<a href="#">Svm</a> array	
activeActions	Actions currently being performed on this working environment	false	string array	
replicationProperties	Working environments in which a SnapMirror relationship exists between volumes on this working environment	false	<a href="#">ReplicationProperties</a>	
schedules		false	<a href="#">VsaSchedule</a> array	
cloudProviderName		true	string	
workingEnvironmentType		true	string	
supportRegistrationProperties		false	<a href="#">SupportRegistrationProperties</a>	

Name	Description	Required	Schema	Default
supportRegistrationInformation		false	<a href="#">SupportRegistrationInformation</a> array	
haProperties		false	<a href="#">HaProperties</a>	
capacityFeatures		false	<a href="#">CapacityFeatures</a>	
cloudSyncProperties		false	<a href="#">CloudSyncProperties</a>	
supportedFeatures		false	<a href="#">SupportedFeatures</a>	
fpolicyProperties		false	<a href="#">FpolicyProperties</a>	
saasProperties		false	<a href="#">CvoSaasProperties</a>	
cbsProperties		false	<a href="#">CbsPropertiesWithReason</a>	
complianceProperties		false	<a href="#">CloudComplianceStatusResponse</a>	
monitoringProperties		false	<a href="#">MonitoringStatusResponse</a>	
licensesInformation		false	<a href="#">LicenseInformation</a> array	
hA		true	boolean	

### VscanFileOpRequest

Name	Description	Required	Schema	Default
vscanFileOp	Vscan file-operation	true	enum (writes_only, standard)	

### WeActionRequiredResponse

Name	Description	Required	Schema	Default
publicId		true	string	
actions		true	<a href="#">ActionRequired</a> array	

### WorkingEnvironmentCostAndUsageResponse

Name	Description	Required	Schema	Default
hasPermissions	Has permissions to view cost and usage details	true	boolean	
costByTime	Working environment cost and usage details	true	<a href="#">CostByTime</a> array	

## WorkingEnvironmentOntapSavingResponse

Name	Description	Required	Schema	Default
savings	list of savings	true	<a href="#">SavingsInfo</a> array	

## WorkingEnvironments

Name	Description	Required	Schema	Default
vsaWorkingEnvironments		true	<a href="#">VsaWorkingEnvironmentResponse</a> array	
onPremWorkingEnvironments		true	<a href="#">OnPremWorkingEnvironmentResponse</a> array	
azureVsaWorkingEnvironments		true	<a href="#">AzureVsaWorkingEnvironmentResponse</a> array	
gcpVsaWorkingEnvironments		true	<a href="#">GcpVsaWorkingEnvironmentResponse</a> array	

## WorkingEnvironmentsInformation

Name	Description	Required	Schema	Default
regionsCount	Number of regions for which working environments exist over this tenant	true	integer (int32)	
totalReservedSize	Total reserved size of all working environments created over this tenant	true	<a href="#">Capacity</a>	
workingEnvironmentCount	Number of working environments created over this tenant	true	integer (int32)	

## WorkspaceResponse

Name	Description	Required	Schema	Default
workspacePublicId		true	string	
workspaceName		true	string	
associatedToAgent		true	boolean	

## WormRequest

Name	Description	Required	Schema	Default
retentionPeriod	WORM Retention period	true	<a href="#">WormRetentionPeriod</a>	

## WormRetentionPeriod

Name	Description	Required	Schema	Default
length	Length	true	integer (int32)	
unit	Unit	true	enum (years, months, days, hours, minutes, seconds)	

## WritingSpeedRequest

Name	Description	Required	Schema	Default
writingSpeedState	Writing speed state	true	enum (NORMAL, HIGH)	

## ZapiCredentials

Name	Description	Required	Schema	Default
ip		true	string	
userName		true	string	
password		true	string	

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