

GDE RESTful API

v4.0.0.2

Reference Guide



GDE RESTful API Documentation

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6,678,828

6,931,530

7,143,288

7,283,538

7,334,124

Chapter 1. Introduction

This document describes the GDE Appliance RESTful API for developers who want to configure and administer a GDE Appliance installation in both enterprise and cloud environments. All requests and responses are presented in Javascript Object Notification (JSON) unless stated in the specific API. As of this release, the GDE Appliance API has been made more restrictive for security reasons and any extra or unexpected parameters in the JSON input payload will return errors.

1.1. Security

Name : basicAuth

Type : basic

1.2. Conventions

This API makes use of the following conventions:

1.2.1. Resources and Endpoints

Resources in the GDE Appliance context refers to the different elements that are administered by the GDE Appliance for example, administrators, domains, hosts, GuardPoints and so on. All resources are plural in lower case. Domain switching is explicitly expressed in the API, where all sub-resources in a domain contain the domain information in the URL. For example a host URL is represented by: /dsm/v1/domains/1/hosts/1

The majority of endpoints/URLs are ID-based although, name-based and query-based retrievals are supported in limited cases. The documentation provides sample calls in command line tool to transfer data to illustrate usage.

1.2.2. Context Path and relative URLs

The context path for the API is */dsm. All URLs in the API, including the ones in the headers are relative to the context path. For clarity, the context path is added to an endpoint URL when describing the endpoint. The endpoint includes the API version as well as the resource name. Attributes with null values are omitted.

1.2.3. Time Stamp Format

All date attributes in the API are in ISO 8601 time stamp format in UTC timezone. For example, 2015-08-05T01:43:41.897+0000.

1.2.4. Common Attributes

Attributes with null values are omitted. The following attributes have been added to make the API more RESTful:

Table 1. Common attributes

Attribute Name	Description
id	The unique identifier of the resource, usually the primary key in the database.
url	All RESTful resources are identifiable via URLs. This attribute represents the resource itself.
moreInfo	A compact version of a resource is identified by the presence of this boolean attribute. Compact resources are typically used in pageable collections. Complete resource information can be retrieved with specific identifiers

1.2.5. Pagination and Filtering

The API supports the following path, matrix and query parameters when retrieving a collection of resources.

Table 2. Path, Matrix, and Query Parameters

Parameter	Description
keyword	The path parameter {keyword} is mandatory when additional name-value parameters are specified. The format for parameters is /keyword: name1=value1;name2=value2;name3=value3;...
offset	The query parameter represents the starting index of a page. The default value is 0.
limit	The query parameter represents the number of entries per page. The default value is 25.

Parameter	Description
sort	The query parameter represents the sort-by attribute name in a collection. The default value depends on the resource being retrieved. For example, domainName is the default sort-by column when retrieving a collection of domains.
order	The query parameter represents the sorting order in a collection. Possible values are asc and desc. The default is asc.

An example URL utilizing all of these parameters:

`/ {resource} / {keyword} {name1=value1;name2=value2;...} {offset=0&limit=100&sort=attribute&order=asc`

1.2.6. Page Attributes

A page in a collection contains the following attributes:

Table 3. Page attributes

Attribute Name	Description
total	Total size of the collection for the given query parameters.
offset	The starting index of the page.
limit	The size of the page.
list	The list of resources on the page. The size of the list could be less than the limit as in the case of the last page in the collection. If the list is empty, it will return a 204 response code indicating there is no content.

Page navigation is performed through link headers as described in the IETF RFC-5988. Possible relation headers are:

Table 4. Relation headers

Relation type	Description
first	An IRI that refers to the first preceding resource in a series of resources.
last	An IRI that refers to the farthest following resource in a series of resource
prev	An IRI that refers to the previous resource in an ordered series of resources.
next	An IRI that refers to the next resource in an ordered series of resources.

The following is an example of a Link header (line breaks and indentation added for readability):

```
Link: </dsm/v1/domains/1/hosts?offset=25>; rel=prev,
      </dsm/v1/domains/1/hosts?offset=100>; rel=last,
      </dsm/v1/domains/1/hosts?offset=75>; rel=next,
      </dsm/v1/domains/1/hosts?offset=0>; rel=first
```

1.2.7. Error responses

All exceptions map to error responses. An error response contains the HTTP status code, an optional internal error code, and an error message. See API Error Codes for a table of error codes and messages:

```
{
  "httpStatusCode" : 404,
  "errorCode" : "SDK0403E",
  "message" : "The domain *\"1111\"* does not exist in the server database."
}
```

Status Codes

HTTP status codes can be categorized into the following:

1. 1xx for informational
2. 2xx for success
3. 3xx for redirection
4. 4xx for client errors
5. 5xx for server errors

The following table describes the response codes:

Table 5. Response Codes

Response Code	Name	Description
200	OK	Request has been successfully processed.
201	Created	Resource created.
202	Accepted	Request accepted. Used in asynchronous processing such as in audit report generation.
204	No Content	No content in the response. Clients must be able to handle a response with no content.
400	Bad request	Client error due to bad input parameters or reaching an unimplemented endpoint. The error message contains detailed information.
401	Unauthorized	Bad credential or unauthorized operation.
403	Forbidden	User does not have sufficient privileges for the operation or there is a specific limitation on the resource that has been reached.
404	Not Found	Resource not found.
409	Conflict	Object already in use.
500	Internal Server Error	Server internal error. The error message contains detailed information.
501	Not implemented	The method is not implemented.
503	Internal Server Error	The server is currently unable to handle the request due to a temporary overloading, or maintenance, of the server.

1.3. Authentication

The API supports stateless clients. HTTPS is the only supported protocol. Requests sent via non-secure HTTP protocol will NOT be redirected for security purposes.

The current implementation supports basic authentication for stateless clients as the deployment of the API will be within the data center and behind a firewall.

1.4. Basic Authentication for Stateless Clients

Basic authentication uses an Authorization header to send credentials to the server. The Authorization header is constructed as follows:

1. User name and password are combined into a string "username:password"
2. The resulting string is then encoded using the RFC2045-MIME variant of Base64, except not limited to 76 characters per line.
3. The authorization method and a space, i.e. "Basic ", is then placed before the encoded string.

The following example is the basic authentication header for "super:admin123":

Authorization: Basic c3VwZXI6YWwRtaW4xMjM=

If you need to generate the base64 authentication code, for example, you might need it when issuing curl commands, then, at the command line, type:

```
$ echo -en "<userName>:<password>|base64
```

Example:

```
$ echo -en "super:admin123"|base64
```

System Response:

```
c3VwZXI6YWwRtaW4xMjM=
```

1.4.1. API Error Codes

The following table describes the error codes:

Table 6. Error Codes

Code	Description
API0001E	Bad credentials
API0002E	The end point is not implemented yet.
API0003E	Object not found.

API0004E	The operation is not allowed for the user on this server.
API0005E	The operation is not allowed for software installation.
API0010E	{0} cannot be null.
API0011E	The parameter {0} is not recognized.
API0012E	Use Challenge & Response method to generate password automatically or use Password method and specify the password.
API0013E	The Admin Type for is not valid.
API0014E	The Admin Type for the domain administrator is not valid.
API0015E	Domains in the context and in the path do not match.
API0016E	Domains in the context and in the object do not match.
API0017E	Hosts in the path and in the object do not match.
API0018E	The operation is not applicable to objects in the same domain.
API0019E	Offset out of bound.
API0020E	Multi-factor authentication does not apply to local domain administrator.
API0021E	Restricted domain cannot be null.
API0022E	ID must be greater than zero.
API0023E	The report period must be in yyyy-mm format.
API0024E	The domain in the context is not valid.
API0025E	The wrapper key required by backups does not exist.
API0026E	The hour must be between 0 and 23 and the minute must be between 0 and 59.
API0027E	Configuration failed: {0}
API0028E	Invalid configuration option: {0}
API0029E	{0} and {1} cannot coexist.
API0030E	The operation is not applicable to Hardware Security Module enabled system.
API0031E	User name in the path does not match user name in the payload.
API0032E	The operation is not applicable to oneself.
API0033E	The administrator is already managing the domain.
API0034E	The domain is not managed by both administrators.
API0041E	Control command failed: {0}
API0042E	Invalid control option: {0}
API0043E	{0} is not a valid name. The name must consist of alpha-numeric characters; it must start with an alpha character; and the only non-alpha-numeric characters allowed are underscore (_) and dash (-).
API0044E	{0} is not a valid name. The name must consist of alpha-numeric characters; it must start with an alpha character; and the only non-alpha-numeric characters allowed are at (@), dot (.), underscore (_), and dash (-).
API0045E	The length of the value "{0}" is not valid. It must be between {1} and {2} characters.
API0046E	The value of offset must be equal to or greater than zero.
API0047E	The value of limit must be greater than zero. Leave it out to use the default value.
API0048E	The operation is not applicable to OEM system.
API0049E	,The operation is not applicable to domain-restricted administrators.

Chapter 2. Overview

This document describes the GDE RESTful API for developers.

2.1. Version information

Version : v1

2.2. URI scheme

Schemes : HTTPS

2.3. Tags

- Administrators
- Asymmetric Keys
- Asymmetric Vault Keys
- Certificate
- DSM Backup
- Diags
- Domain Administrators
- Domain Backup
- Domain Reports
- Domain Wrapper Keys
- Domains
- Export Keys
- GuardPoints
- High Availability
- Host Groups
- Hosts
- Identities
- Import Keys
- KMIP
- KMIP certs
- Key Attributes
- Key Groups
- Key Template Attributes
- Key Templates
- License Management
- Log Settings
- Logs
- Policy Management
- Process Sets
- RSA configuration
- Resource Sets
- Restore DSM Backup
- Restore Domain Backup

- Shared Secret
- Signature Sets
- SmartCard
- Symmetric Keys
- Symmetric Vault Keys
- Syslog
- System configuration
- Time Sets
- User Sets
- Wrapper keys history

Chapter 3. Resources

3.1. Administrators

3.1.1. Create Administrator

POST /v1/admins

Description

Creates an Administrator

Parameters

Type	Name	Description	Schema
Body	body <i>required</i>	UserCreationInfo payload	UserCreationInfo

Responses

HTTP Code	Description	Schema
200	successful operation	NewUserInfo
201	Success, object or resource created	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/admins
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "johndoe",
  "adminType" : "SYSTEM_ADMIN",
  "description" : "Description item",
  "password" : "MySecret1",
  "rsaUserId" : "user1002",
  "readOnly" : false,
  "smartCardLoginEnabled" : false,
  "smartCardUserMapping" : [ "string" ]
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "johndoe",
  "adminType" : "string",
  "global" : true,
  "description" : "Description item",
  "permanent" : true,
  "enabled" : true,
  "readOnly" : false,
  "roles" : [ "string" ],
  "passwordResetRequired" : true
}
```


3.1.2. Get all administrators

GET /v1/admins

Description

Returns a list of administrators

Parameters

Type	Name	Description	Schema	Default
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of CompactUserInfo
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/admins
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "johndoe",
    "adminType" : "string",
    "global" : true,
    "description" : "Description item",
    "permanent" : true,
    "enabled" : true,
    "readOnly" : false
  } ]
}
```

3.1.3. Get administrator by name

```
GET /v1/admins/name/{adminName}
```

Description

Returns specified administrator information

Parameters

Type	Name	Description	Schema
Path	adminName <i>required</i>	User name of the DSM administrator	string

Responses

HTTP Code	Description	Schema
200	Success	UserInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/admins/name/string
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "johndoe",
  "adminType" : "string",
  "global" : true,
  "description" : "Description item",
  "permanent" : true,
  "enabled" : true,
  "readOnly" : false,
  "lastLoginAt" : "2018-03-23",
  "lockoutAt" : "2018-03-22",
  "roles" : [ "string" ],
  "passwordResetRequired" : true,
  "restrictedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "managedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "rsaUserId" : "string",
  "smartCardLoginEnabled" : false,
  "smartCardUserMapping" : [ "string" ]
}
```

3.1.4. Reset specified administrator password

```
PUT /v1/admins/name/{adminName}/password
```

Description

Reset the specified administrator's password.

Parameters

Type	Name	Description	Schema
Path	adminName <i>required</i>	DSM administrator ID	string
Body	body <i>required</i>	Password data	PasswordInfo

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/admins/name/string/password
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "johndoe",
  "oldPassword" : "MySecret1",
  "newPassword" : "NewSecret123!@#"
}
```

3.1.5. Set administrator password

```
PUT /v1/admins/name/{adminName}/setpassword
```

Description

Set the specified administrator's password.

Parameters

Type	Name	Description	Schema
Path	adminName <i>required</i>	DSM administrator name	string
Body	body <i>required</i>	Password data	PasswordUpdateInfo

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/admins/name/string/setpassword
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "johndoe",
  "newPassword" : "MySecret1"
}
```


3.1.6. Get administrators by ID

```
GET /v1/admins/{adminId}
```

Description

Returns complete attributes for an administrator, including a list of managed domains

Parameters

Type	Name	Description	Schema
Path	adminId <i>required</i>	DSM administrator ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	UserInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/admins/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "johndoe",
  "adminType" : "string",
  "global" : true,
  "description" : "Description item",
  "permanent" : true,
  "enabled" : true,
  "readOnly" : false,
  "lastLoginAt" : "2018-03-23",
  "lockoutAt" : "2018-03-22",
  "roles" : [ "string" ],
  "passwordResetRequired" : true,
  "restrictedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "managedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "rsaUserId" : "string",
  "smartCardLoginEnabled" : false,
  "smartCardUserMapping" : [ "string" ]
}
```

3.1.7. User info to update

```
PUT /v1/admins/{adminId}
```

Description

Use this API to change any non-domain specific attributes of user e.g: description, readOnly

Parameters

Type	Name	Description	Schema
Path	adminId <i>required</i>	DSM administrator ID	integer (int64)
Body	body <i>required</i>	User info payload	UserInfo

Responses

HTTP Code	Description	Schema
200	Success	UserInfo
400	Invalid JSON input	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/admins/0
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "johndoe",
  "adminType" : "string",
  "global" : true,
  "description" : "Description item",
  "permanent" : true,
  "enabled" : true,
  "readOnly" : false,
  "lastLoginAt" : "2018-03-23",
  "lockoutAt" : "2018-03-22",
  "roles" : [ "string" ],
  "passwordResetRequired" : true,
  "restrictedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "managedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "rsaUserId" : "string",
  "smartCardLoginEnabled" : false,
  "smartCardUserMapping" : [ "string" ]
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "johndoe",
  "adminType" : "string",
  "global" : true,
  "description" : "Description item",
  "permanent" : true,
  "enabled" : true,
  "readOnly" : false,
  "lastLoginAt" : "2018-03-23",
  "lockoutAt" : "2018-03-22",
  "roles" : [ "string" ],
  "passwordResetRequired" : true,
  "restrictedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "managedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "rsaUserId" : "string",
  "smartCardLoginEnabled" : false,
  "smartCardUserMapping" : [ "string" ]
}
```

3.1.8. Delete an administrator by ID

```
DELETE /v1/admins/{adminId}
```

Description

Delete the specified administrator

Parameters

Type	Name	Description	Schema
Path	adminId <i>required</i>	DSM administrator ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/admins/0
```

3.1.9. ID of the domain to which to assign the administrator

```
PUT /v1/admins/{adminId}/managing/{domainId}
```

Description

Assign the specified administrator to the specified domain

Parameters

Type	Name	Description	Schema
Path	adminId <i>required</i>	DSM administrator ID	integer (int64)
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Body	body <i>optional</i>	Roles for a domain administrator	< enum (AUDIT, CHALLENGE_RESPONSE, CLIENT_IDENTITY, DOMAIN, HOST, KEY, POLICY) > array

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/admins/0/managing/0
```

Request body

```
[ "string" ]
```

3.1.10. ID of the domain from which to delete the administrator

```
DELETE /v1/admins/{adminId}/managing/{domainId}
```

Description

Delete the specified administrator

Parameters

Type	Name	Description	Schema
Path	adminId <i>required</i>	DSM administrator ID	integer (int64)
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/admins/0/managing/0
```

3.1.11. Reset administrator password using administrator ID

```
PUT /v1/admins/{adminId}/password
```

Description

Reset the specified administrator's password.

Parameters

Type	Name	Description	Schema
Path	adminId <i>required</i>	DSM administrator ID	integer (int64)
Body	body <i>required</i>	Password data	PasswordInfo

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/admins/0/password
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "johndoe",
  "oldPassword" : "MySecret1",
  "newPassword" : "NewSecret123!@#"
}
```

3.1.12. Get domain administrators

```
GET /v1/admins/{keyword}
```

Description

Returns information on all of the current administrators

Parameters

Type	Name	Description	Schema	Default
Path	keyword <i>required</i>	Keyword for administrators to return. Possible values are: all, managing and unmanaging. A managing administrator is one that is assigned to a domain. An unmanaging administrator is not assigned to a domain. All is both types of administrators.	enum (all, managing, unmanaging)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of CompactUserInfo
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/admins/string
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "johndoe",
    "adminType" : "string",
    "global" : true,
    "description" : "Description item",
    "permanent" : true,
    "enabled" : true,
    "readOnly" : false
  } ]
}
```

3.2. Asymmetric Keys

3.2.1. Create an asymmetric key

```
POST /v1/domains/{domainId}/keys/asymmetric
```

Description

Create an RSA key

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Body	body <i>required</i>	Asymmetric key creation information	Asymmetric Key

Responses

HTTP Code	Description	Schema
200	successful operation	Key information
201	Success, object or resource created	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Key name with name already exists in domain. Please specify a different name	No Content
409	Object name already in use	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/asymmetric
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "AsymmetricKey",
  "description" : "Description",
  "algorithm" : "string",
  "expirationTime" : "string",
  "keyTemplateName" : "KeyTemplateName"
}
```

Example HTTP response

Response 200

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGSib3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMSGkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51s1SPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
}

```

3.2.2. Search list of asymmetric keys using a keyword

```
GET /v1/domains/{domainId}/keys/asymmetric
```

Description

Return a pageable list of keys

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)	
Query	lenGreater1K <i>optional</i>	Allow selection of only RSA keys with 2048, 3072 and 4096 bit length if value is 'true', or 1024 bit length if value is 'false'	boolean	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	name <i>optional</i>	Key name or part of name, search is case insensitive and matches all substrings	string	
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of keys
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/asymmetric
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "name" : "KeyName",
    "description" : "Description",
    "algorithm" : "string",
    "encryptionMode" : "CBC",
    "keyUsageType" : "string",
    "state" : "ACTIVE",
    "creationTime" : "string",
    "expirationTime" : "string",
    "cachedTime" : 60,
    "source" : "From DSM",
    "domainId" : 3001,
    "keyVersion" : 1,
    "keyHash" :
    "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
    91120617b4ec8dd81",
    "keyVersionLifeSpan" : 2,
    "numberOfPolicies" : 0,
    "alignUnit" : "D",
    "alignedCachedTime" : 0,
    "publicKey" : "-----BEGIN PUBLIC KEY-----
    \nMIGfDE0GCSqGSIB3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
    FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUesmQRMMSGkVb1/\n3j
    +skZ6UtW+5u09lHNSj6tQ51s1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
    KEY-----",
    "publicKeyFormat" : "string",
    "alignedKeyVersionLifeSpan" : 0
  } ]
}
```

3.2.3. Get an asymmetric key by ID

```
GET /v1/domains/{domainId}/keys/asymmetric/{keyId}
```

Description

Returns information on a specific asymmetric key

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Path	keyId <i>required</i>	Key ID	integer (int64)
Query	fields <i>optional</i>	List of fields in response as comma separated string. Nested attributes are not supported. By default all fields.	string

Responses

HTTP Code	Description	Schema
200	Success	Key information
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/asymmetric/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
    "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
    91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGSIB3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMMSGkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ5ls1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
}
```

3.2.4. Update an asymmetric key by ID

```
PUT /v1/domains/{domainId}/keys/asymmetric/{keyId}
```

Description

Update a specific asymmetric key

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Path	keyId <i>required</i>	ID of the key to update	integer (int64)
Body	body <i>required</i>	Asymmetric key information to update the key	Asymmetric key update

Responses

HTTP Code	Description	Schema
200	Success	Key information
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/asymmetric/0
```

Request body

```
{  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "description" : "string",  
  "expirationTime" : "string"  
}
```

Example HTTP response

Response 200


```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGSib3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMSGkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51s1SPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
}

```

3.2.5. Delete an asymmetric key by ID

```
DELETE /v1/domains/{domainId}/keys/asymmetric/{keyId}
```

Description

Delete a specific asymmetric key

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Path	keyId <i>required</i>	Key ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	Number of deleted item
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/asymmetric/0
```

Example HTTP response

Response 200

```
{  
  "deleted" : 1  
}
```

3.3. Asymmetric Vault Keys

3.3.1. Add asymmetric key to vault

```
POST /v1/domains/{domainId}/keys/vault/asymmetric
```

Description

Adds an asymmetric key to the key vault

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Body	body <i>required</i>	Information to create a vault asymmetric key	VaultAsymmetricKeyInfo

Responses

HTTP Code	Description	Schema
200	successful operation	Key information
201	Success, object or resource created	No Content
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
409	Object name already in use	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/vault/asymmetric
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "VaultAsymKeyName",
  "description" : "Description",
  "publicKeyString" : "-----BEGIN RSA PRIVATE KEY-----
\nMIICXQIBAAKBgQDVA+jjPQsWbtDaE4J3D5hRPF0Ry3SSmyY+ked9N2O/ml8SCF09\nnTC1L1/BnamKm
SASDeDI+rscGvzAbZnrBLsF8WEyey/dt6RCch6y5lg00ltJwmqeU\nnUA1KoLfIIeoFQI5AqLfRO7OQDR
VRvtU/PDYQU9tQ8fOXZENKdrtfmqXDfwIDAQAB\nAoGAJc0Hzh+91E95lK+fhozVd2Zi//Sn1YZX1mR9
Bdz0ScPzxWI6Q4C9uq2vnECL\nBGZSrekpz09raY/qoZyjj2E8SeLYNrUswkOLKvvRjkAUGabsCzhS6i7
8Xb7HYqwf0\nnOSRxcboWQyTxPaQl5/4XUdd/be2WtHNfYScXDZoCr7h7+ECQQD8sAfysS194wTb\nn0w
PaECnbq7YjvktRj7NzcXbXkZujPWzCFTDzZ0bQhrCkaDp7PNcvfEsxgyN7UkMU\nn5R73s/PJAK EA186/
CMwpp59z5tvdEeI3EISvV8DuPat7dEsJF8qmad2KygTulQtv\nnImRw+O/RzS5vECD0LOeFY2auuBWd0J
vRBwJAOK2TWtB7D72YHWabepIdkXRWinXo\nnlwbQjZhpu7ihXGAuwOnX7QDBVYygmN/2fiYLbk9G3ng3
wTWWb1lmMNFgyQJBANS4\nn3mV1mVM1gbGWF5uBOHX31D7T1gLD/bTsIdJplw+TaTMpGaK22p00FIfnHS
j7FE75\nnrLZ2oG0S0jZyWFVAwhECQQC84iLNYxp32geZ+r/L8j3qaVyq1HgBjE6dHI0LlovX\nnBlh0Y/
v15DrIQXU6l0isViRslsFzctFhTulDH2sYVU7Y\nn-----END RSA PRIVATE KEY-----\n",
  "privateKeyString" : "-----BEGIN PUBLIC KEY-----
\nMIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQDVA+jjPQsWbtDaE4J3D5hRPF0R\n\nny3SSmyY+ked9
N2O/ml8SCF09TC1L1/BnamKmSASDeDI+rscGvzAbZnrBLsF8WEye\nny/dt6RCch6y5lg00ltJwmqeUUA
1KoLfIIeoFQI5AqLfRO7OQDRVRvtU/PDYQU9tQ\nn8fOXZENKdrtfmqXDfwIDAQAB\nn-----END
PUBLIC KEY-----\n",
  "algorithm" : "string",
  "creationTime" : "string",
  "expirationTime" : "string",
  "keyTemplateName" : "MyKeyTemplate",
  "validate" : false
}
```

Example HTTP response

Response 200

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGSib3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMSGkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51s1SPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
}

```

3.3.2. Get a list of asymmetric vault keys

```
GET /v1/domains/{domainId}/keys/vault/asymmetric
```

Description

Returns a paginated list of asymmetric vault keys in a domain

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	name <i>optional</i>	name of the asymmetric vault key	string	
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of keys
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/vault/asymmetric
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "name" : "KeyName",
    "description" : "Description",
    "algorithm" : "string",
    "encryptionMode" : "CBC",
    "keyUsageType" : "string",
    "state" : "ACTIVE",
    "creationTime" : "string",
    "expirationTime" : "string",
    "cachedTime" : 60,
    "source" : "From DSM",
    "domainId" : 3001,
    "keyVersion" : 1,
    "keyHash" :
    "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
    91120617b4ec8dd81",
    "keyVersionLifeSpan" : 2,
    "numberOfPolicies" : 0,
    "alignUnit" : "D",
    "alignedCachedTime" : 0,
    "publicKey" : "-----BEGIN PUBLIC KEY-----
    \nMIGfDE0GCSqGSIB3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
    FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUesmQRMMSGkVb1/\n3j
    +skZ6UtW+5u09lHNSj6tQ51s1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
    KEY-----",
    "publicKeyFormat" : "string",
    "alignedKeyVersionLifeSpan" : 0
  } ]
}
```


3.3.3. Delete asymmetric vault keys by key ID

```
DELETE /v1/domains/{domainId}/keys/vault/asymmetric
```

Description

Deletes specific asymmetric vault keys from a domain

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Body	body <i>required</i>	Key IDs to delete	List of longs

Responses

HTTP Code	Description	Schema
200	Success. Return number of deleted items	Number of deleted item
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/vault/asymmetric
```

Request body

```
{  
  "data" : "[ 1000, 1001 ]"  
}
```

Example HTTP response

Response 200

```
{  
  "deleted" : 1  
}
```

3.3.4. Get asymmetric vault key

```
GET /v1/domains/{domainId}/keys/vault/asymmetric/{keyId}
```

Description

Returns information for an asymmetric vault key in a domain.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Path	keyId <i>required</i>	Key ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	Key information
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/vault/asymmetric/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
  "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
  91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
  \nMIGfDE0GCSqGSIB3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
  FFPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMMSGkVb1/\n
  n3j+skZ6UtW+5u09lHNSj6tQ5ls1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n
  -----END PUBLIC KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
}
```

3.3.5. Update an asymmetric vault key

```
PUT /v1/domains/{domainId}/keys/vault/asymmetric/{keyId}
```

Description

Modifies an existing asymmetric vault key

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Path	keyId <i>required</i>	Key ID	integer (int64)
Body	body <i>required</i>	Asymmetric key information to update the vault key	Vault asymmetric key update

Responses

HTTP Code	Description	Schema
200	Success	Key information
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/vault/asymmetric/0
```

Request body

```
{  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "description" : "Description",  
  "expirationTime" : "string"  
}
```

Example HTTP response

Response 200

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGSib3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMSGkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51s1SPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
}

```

3.3.6. Delete asymmetric vault key

```
DELETE /v1/domains/{domainId}/keys/vault/asymmetric/{keyId}
```

Description

Deletes a specific asymmetric vault key from a domain.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Path	keyId <i>required</i>	Key ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success. Return number of deleted items	Number of deleted item
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/vault/asymmetric/0
```

Example HTTP response

Response 200

```
{  
  "deleted" : 1  
}
```

3.4. Certificate

3.4.1. Send CSR Request

```
POST /v1/certificates/csr/ecc
```

Description

Submit the new ECC CSR to a Certificate Authority for signing/approval

Parameters

Type	Name	Description	Schema
Body	body <i>required</i>	Values for the certificate fields	CSR information

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/certificates/csr/ecc
```

Request body

```
{  
  "orgUnitName" : "IT",  
  "orgName" : "My Organiztion",  
  "cityName" : "San Jose",  
  "stateName" : "California",  
  "countryCode" : "US",  
  "emailAddress" : "name@domain.com"  
}
```

3.4.2. Send CSR Request

```
POST /v1/certificates/csr/rsa
```

Description

Submit the new RSA CSR to a Certificate Authority for signing/approval

Parameters

Type	Name	Description	Schema
Body	<i>body required</i>	Values for the certificate fields	CSR information

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/certificates/csr/rsa
```

Request body

```
{
  "orgUnitName" : "IT",
  "orgName" : "My Organiztion",
  "cityName" : "San Jose",
  "stateName" : "California",
  "countryCode" : "US",
  "emailAddress" : "name@domain.com"
}
```

3.4.3. Upload Certificate

POST /v1/certificates/interCer

Description

Submit the new CSR to a Certificate Authority for signing/approval

Parameters

Type	Name	Description	Schema
Body	body <i>required</i>	Values for the certificate fields	Certificate Upload information

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/certificates/interCer
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "rsa844X" : "string",
  "rsa7024" : "string",
  "ec844X" : "string",
  "ec7024" : "string"
}
```

3.5. DSM Backup

3.5.1. Get automatic backup information

```
GET /v1/backups/auto
```

Description

Returns automatic backup settings information.

Responses

HTTP Code	Description	Schema
200	Success	Auto-backup information
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/backups/auto
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "enabled" : true,
  "schedule" : {
    "frequency" : "string",
    "hour" : 10,
    "minute" : 30
  },
  "storage" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "protocol" : "string",
    "host" : "host1",
    "directory" : "/tmp/test",
    "hostFingerprint" : "95:3d:ac:66:53:e3:ef:a9:13:01:6c:d6:59:40:72:f6",
    "userName" : "johndoe",
    "password" : "MySecret1"
  },
  "updatedAtZDT" : "string",
  "createdAtZDT" : "string"
}
```

3.5.2. Schedule an automatic backup

```
PUT /v1/backups/auto
```

Description

Create or modify an automatic backup schedule for the DSM

Parameters

Type	Name	Description	Schema
Body	body <i>required</i>	Auto backup payload	Auto-backup information

Responses

HTTP Code	Description	Schema
200	Success	Auto-backup information
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/backups/auto
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "enabled" : true,
  "schedule" : {
    "frequency" : "string",
    "hour" : 10,
    "minute" : 30
  },
  "storage" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "protocol" : "string",
    "host" : "host1",
    "directory" : "/tmp/test",
    "hostFingerprint" : "95:3d:ac:66:53:e3:ef:a9:13:01:6c:d6:59:40:72:f6",
    "userName" : "johndoe",
    "password" : "MySecret1"
  },
  "updatedAtZDT" : "string",
  "createdAtZDT" : "string"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "enabled" : true,
  "schedule" : {
    "frequency" : "string",
    "hour" : 10,
    "minute" : 30
  },
  "storage" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "protocol" : "string",
    "host" : "host1",
    "directory" : "/tmp/test",
    "hostFingerprint" : "95:3d:ac:66:53:e3:ef:a9:13:01:6c:d6:59:40:72:f6",
    "userName" : "johndoe",
    "password" : "MySecret1"
  },
  "updatedAtZDT" : "string",
  "createdAtZDT" : "string"
}
```

3.5.3. Delete automatic backup schedule

```
DELETE /v1/backups/auto
```

Description

Deletes the schedule for the backups, not the actual backups

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/backups/auto
```

3.5.4. Run automatic backup schedule now

```
PUT /v1/backups/auto/now
```

Description

Creates a backup of the DSM immediately, based on automatic backup settings

Parameters

Type	Name	Description	Schema
Body	body <i>required</i>	Auto backup payload	Auto-backup information

Responses

HTTP Code	Description	Schema
200	Success	Auto-backup information
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/backups/auto/now
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "enabled" : true,
  "schedule" : {
    "frequency" : "string",
    "hour" : 10,
    "minute" : 30
  },
  "storage" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "protocol" : "string",
    "host" : "host1",
    "directory" : "/tmp/test",
    "hostFingerprint" : "95:3d:ac:66:53:e3:ef:a9:13:01:6c:d6:59:40:72:f6",
    "userName" : "johndoe",
    "password" : "MySecret1"
  },
  "updatedAtZDT" : "string",
  "createdAtZDT" : "string"
}
```

Example HTTP response

Response 200


```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "enabled" : true,
  "schedule" : {
    "frequency" : "string",
    "hour" : 10,
    "minute" : 30
  },
  "storage" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "protocol" : "string",
    "host" : "host1",
    "directory" : "/tmp/test",
    "hostFingerprint" : "95:3d:ac:66:53:e3:ef:a9:13:01:6c:d6:59:40:72:f6",
    "userName" : "johndoe",
    "password" : "MySecret1"
  },
  "updatedAtZDT" : "string",
  "createdAtZDT" : "string"
}
```

3.5.5. Run manual backup now

```
GET /v1/backups/now
```

Description

Creates a backup of the DSM immediately

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/octet-stream

Example HTTP request

Request path

```
/v1/backups/now
```

3.6. Diags

3.6.1. Issue a diagnostic command

```
POST /v1/diags
```

Description

The API supports 6 network diagnostics commands: arp, arping, ip, checkport, ping, traceroute

Parameters

Type	Name	Description	Schema
Body	body <i>required</i>	Command	CommandInfo

Responses

HTTP Code	Description	Schema
200	Success	< Result > array
401	Insufficient Privileges to perform this action	No Content
404	Report data not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/diags
```

Request body

```
{
  "cmd" : "string",
  "host" : "10.10.65.100",
  "port" : 8050,
  "timeout" : 0,
  "ipV6" : false,
  "intferface" : "string",
  "interface" : "string"
}
```

Example HTTP response

Response 200

```
[ {
  "command" : {
    "cmd" : "string",
    "host" : "10.10.65.100",
    "port" : 8050,
    "timeout" : 0,
    "ipV6" : false,
    "intferface" : "string",
    "interface" : "string"
  },
  "result" : "[ '10.10.79.254 dev eth0 lladdr 00:1b:17:00:01:12 DELAY
10.10.65.202 dev eth0 lladdr 00:0c:29:0e:12:3b STALE 10.10.65.110 dev eth0
lladdr 00:0c:29:99:61:30 STALE link info 1: lo: <LOOPBACK,UP,LOWER_UP> mtu
65536 qdisc noqueue state UNKNOWN mode DEFAULT qlen 1 link/loopback
00:00:00:00:00:00 brd 00:00:00:00:00:00 2: eth0:
<BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP mode
DEFAULT qlen 1000 link/ether 00:0c:29:c5:12:06 brd ff:ff:ff:ff:ff:ff 3:
eth1: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP mode
DEFAULT qlen 1000 link/ether 00:0c:29:c5:12:10 brd ff:ff:ff:ff:ff:ff 4:
bond0: <NO-CARRIER,BROADCAST,MULTICAST,MASTER,UP> mtu 1500 qdisc noqueue state
DOWN mode DEFAULT qlen 1000 link/ether 9a:5e:2b:0a:e2:fc brd
ff:ff:ff:ff:ff:ff arp SUCCESS' ]"
} ]
```

3.7. Domain Administrators

3.7.1. Create a local domain administrator

```
POST /v1/domains/{domainId}/admins
```

Description

Create a new local domain administrator for the specified restricted domain.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Body	body <i>required</i>	New user data	DomainUserCreationInfo

Responses

HTTP Code	Description	Schema
201	Resource created successfully	UserInfo
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/admins
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "johndoe",
  "adminType" : "SYSTEM_ADMIN",
  "description" : "Description item",
  "password" : "MySecret1",
  "rsaUserId" : "user1002",
  "restrictedDomainId" : 1020,
  "readOnly" : false,
  "smartCardLoginEnabled" : false,
  "smartCardUserMapping" : [ "string" ],
  "roles" : [ "string" ]
}
```

Example HTTP response

Response 201

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "johndoe",
  "adminType" : "string",
  "global" : true,
  "description" : "Description item",
  "permanent" : true,
  "enabled" : true,
  "readOnly" : false,
  "lastLoginAt" : "2018-03-23",
  "lockoutAt" : "2018-03-22",
  "roles" : [ "string" ],
  "passwordResetRequired" : true,
  "restrictedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "managedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "rsaUserId" : "string",
  "smartCardLoginEnabled" : false,
  "smartCardUserMapping" : [ "string" ]
}

```


3.7.2. Get local domain administrators

```
GET /v1/domains/{domainId}/admins
```

Description

Returns a list of local domain administrators for the specified restricted domain

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of CompactUserInfo
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/admins
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "johndoe",
    "adminType" : "string",
    "global" : true,
    "description" : "Description item",
    "permanent" : true,
    "enabled" : true,
    "readOnly" : false
  } ]
}
```

3.7.3. Get domain administrators by name

```
GET /v1/domains/{domainId}/admins/name/{adminName}
```

Description

Returns a list of specified domain administrators

Parameters

Type	Name	Description	Schema
Path	adminName <i>required</i>	User name of the DSM administrator	string
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	UserInfo
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/admins/name/johndoe
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "johndoe",
  "adminType" : "string",
  "global" : true,
  "description" : "Description item",
  "permanent" : true,
  "enabled" : true,
  "readOnly" : false,
  "lastLoginAt" : "2018-03-23",
  "lockoutAt" : "2018-03-22",
  "roles" : [ "string" ],
  "passwordResetRequired" : true,
  "restrictedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "managedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "rsaUserId" : "string",
  "smartCardLoginEnabled" : false,
  "smartCardUserMapping" : [ "string" ]
}
```

3.7.4. Change domain administrator password

```
PUT /v1/domains/{domainId}/admins/name/{adminName}/password
```

Description

Change the password of the specified administrator

Parameters

Type	Name	Description	Schema
Path	adminName <i>required</i>	User name of the DSM administrator	string
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Body	body <i>required</i>	Password data	PasswordInfo

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/admins/name/janedoe/password
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "johndoe",
  "oldPassword" : "MySecret1",
  "newPassword" : "NewSecret123!@#"
}
```

3.7.5. Set domain administrator password

```
PUT /v1/domains/{domainId}/admins/name/{adminName}/setpassword
```

Description

Set the password for the domain administrator.

Parameters

Type	Name	Description	Schema
Path	adminName <i>required</i>	User name of the DSM administrator	string
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Body	body <i>required</i>	Password data	PasswordUpdateInfo

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/admins/name/johndoe/setpassword
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "johndoe",
  "newPassword" : "MySecret1"
}
```


3.7.6. Get the configuration setting for the 'Prevent System administrators from disabling all of the administrators' function

```
GET /v1/domains/{domainId}/admins/prevent
```

Description

Get the configuration setting for the 'Prevent System administrators from disabling all of the administrators' function

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/admins/prevent
```

3.7.7. Prevent System administrators from enabling or disabling all of the administrators in this domain

```
PUT /v1/domains/{domainId}/admins/prevent/{keyword}
```

Description

Prevent System administrators from enabling or disabling all of the administrators in this domain

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Path	keyword <i>required</i>	Use keyword enable or disable	enum (enable, disable)

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/admins/prevent/string
```

3.7.8. Get domain administrator by ID

```
GET /v1/domains/{domainId}/admins/{adminId}
```

Description

Returns a list of specified domain administrators

Parameters

Type	Name	Description	Schema
Path	adminId <i>required</i>	DSM administrator ID	integer (int64)
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	UserInfo
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/admins/20
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "johndoe",
  "adminType" : "string",
  "global" : true,
  "description" : "Description item",
  "permanent" : true,
  "enabled" : true,
  "readOnly" : false,
  "lastLoginAt" : "2018-03-23",
  "lockoutAt" : "2018-03-22",
  "roles" : [ "string" ],
  "passwordResetRequired" : true,
  "restrictedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "managedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "rsaUserId" : "string",
  "smartCardLoginEnabled" : false,
  "smartCardUserMapping" : [ "string" ]
}
```

3.7.9. Update domain administrator information or roles

```
PUT /v1/domains/{domainId}/admins/{adminId}
```

Description

Update the domain administrator information or administrator roles.

Parameters

Type	Name	Description	Schema
Path	adminId <i>required</i>	DSM administrator ID	integer (int64)
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Body	body <i>required</i>	Updated information	DomainUserUpdateInfo

Responses

HTTP Code	Description	Schema
200	Success	UserInfo
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/admins/1020
```

Request body

```
{  
  "description" : "Description item",  
  "roles" : [ "string" ]  
}
```

Example HTTP response

Response 200


```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "johndoe",
  "adminType" : "string",
  "global" : true,
  "description" : "Description item",
  "permanent" : true,
  "enabled" : true,
  "readOnly" : false,
  "lastLoginAt" : "2018-03-23",
  "lockoutAt" : "2018-03-22",
  "roles" : [ "string" ],
  "passwordResetRequired" : true,
  "restrictedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "managedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "rsaUserId" : "string",
  "smartCardLoginEnabled" : false,
  "smartCardUserMapping" : [ "string" ]
}

```

3.7.10. Delete the specified administrator

```
DELETE /v1/domains/{domainId}/admins/{adminId}
```

Description

Delete the specified administrator. Specify which administrator using their ID.

Parameters

Type	Name	Description	Schema
Path	adminId <i>required</i>	AP_DOMAIN_ID_ADMIN	integer (int64)
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/admins/1020
```

3.7.11. Enable a domain administrator

```
PUT /v1/domains/{domainId}/admins/{adminId}/enabled
```

Description

Enable the specified domain administrator, (identified by ID).

Parameters

Type	Name	Description	Schema
Path	adminId <i>required</i>	ID of the domain administrator	integer (int64)
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/admins/1020/enabled
```

3.7.12. Disable administrator

```
DELETE /v1/domains/{domainId}/admins/{adminId}/enabled
```

Description

Disable the specified domain administrator

Parameters

Type	Name	Description	Schema
Path	adminId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/admins/1020/enabled
```

3.7.13. Change domain administrator password

```
PUT /v1/domains/{domainId}/admins/{adminId}/password
```

Description

Change the password of the specified administrator

Parameters

Type	Name	Description	Schema
Path	adminId <i>required</i>	DSM administrator ID	integer (int64)
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Body	body <i>required</i>	New user password payload	PasswordInfo

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/admins/1020/password
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "johndoe",
  "oldPassword" : "MySecret1",
  "newPassword" : "NewSecret123!@#"
}
```

3.7.14. Get domain administrators by keyword

```
GET /v1/domains/{domainId}/admins/{keyword}
```

Description

Returns specified administrators filtered by keywords: managing or unmanaging.

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)	
Path	keyword <i>required</i>	Use the keyword 'managing' to find administrators assigned to a restricted domain. Use the keyword 'unmanaging' to find administrators not assigned to restricted domains. Using any other keyword returns all of the administrators.	enum (all, managing, unmanaging)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of CompactUserInfo
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/admins/managing
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "johndoe",
    "adminType" : "string",
    "global" : true,
    "description" : "Description item",
    "permanent" : true,
    "enabled" : true,
    "readOnly" : false
  } ]
}
```

3.8. Domain Backup

3.8.1. Get automatic backup information

```
GET /v1/domains/{domainId}/backups/auto
```

Description

Returns information about automatic backup settings

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	Auto-backup information
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/backups/auto
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "enabled" : true,
  "schedule" : {
    "frequency" : "string",
    "hour" : 10,
    "minute" : 30
  },
  "storage" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "protocol" : "string",
    "host" : "host1",
    "directory" : "/tmp/test",
    "hostFingerprint" : "95:3d:ac:66:53:e3:ef:a9:13:01:6c:d6:59:40:72:f6",
    "userName" : "johndoe",
    "password" : "MySecret1"
  },
  "updatedAtZDT" : "string",
  "createdAtZDT" : "string"
}
```

3.8.2. Schedule an automatic backup

```
PUT /v1/domains/{domainId}/backups/auto
```

Description

Create or modify an automatic backup schedule for the DSM

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Body	body <i>required</i>	Auto backup payload	Auto-backup information

Responses

HTTP Code	Description	Schema
200	Success	Auto-backup information
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/backups/auto
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "enabled" : true,
  "schedule" : {
    "frequency" : "string",
    "hour" : 10,
    "minute" : 30
  },
  "storage" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "protocol" : "string",
    "host" : "host1",
    "directory" : "/tmp/test",
    "hostFingerprint" : "95:3d:ac:66:53:e3:ef:a9:13:01:6c:d6:59:40:72:f6",
    "userName" : "johndoe",
    "password" : "MySecret1"
  },
  "updatedAtZDT" : "string",
  "createdAtZDT" : "string"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "enabled" : true,
  "schedule" : {
    "frequency" : "string",
    "hour" : 10,
    "minute" : 30
  },
  "storage" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "protocol" : "string",
    "host" : "host1",
    "directory" : "/tmp/test",
    "hostFingerprint" : "95:3d:ac:66:53:e3:ef:a9:13:01:6c:d6:59:40:72:f6",
    "userName" : "johndoe",
    "password" : "MySecret1"
  },
  "updatedAtZDT" : "string",
  "createdAtZDT" : "string"
}
```


3.8.3. Deletes an automatic backup schedule

```
DELETE /v1/domains/{domainId}/backups/auto
```

Description

Prevent the DSM from automatically backing up the data, according to the set schedule

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/backups/auto
```

3.8.4. Run automatic backup schedule now

```
PUT /v1/domains/{domainId}/backups/auto/now
```

Description

Creates a backup of the domain immediately, based on automatic backup settings

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Body	body <i>required</i>	Auto backup payload	Auto-backup information

Responses

HTTP Code	Description	Schema
200	Success	Auto-backup information
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/backups/auto/now
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "enabled" : true,
  "schedule" : {
    "frequency" : "string",
    "hour" : 10,
    "minute" : 30
  },
  "storage" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "protocol" : "string",
    "host" : "host1",
    "directory" : "/tmp/test",
    "hostFingerprint" : "95:3d:ac:66:53:e3:ef:a9:13:01:6c:d6:59:40:72:f6",
    "userName" : "johndoe",
    "password" : "MySecret1"
  },
  "updatedAtZDT" : "string",
  "createdAtZDT" : "string"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "enabled" : true,
  "schedule" : {
    "frequency" : "string",
    "hour" : 10,
    "minute" : 30
  },
  "storage" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "protocol" : "string",
    "host" : "host1",
    "directory" : "/tmp/test",
    "hostFingerprint" : "95:3d:ac:66:53:e3:ef:a9:13:01:6c:d6:59:40:72:f6",
    "userName" : "johndoe",
    "password" : "MySecret1"
  },
  "updatedAtZDT" : "string",
  "createdAtZDT" : "string"
}
```

3.8.5. Run manual backup now

```
GET /v1/domains/{domainId}/backups/now
```

Description

Creates a backup of the domain immediately. Note that the output of the following command must be redirected to a file.

```
curl -v -insecure -X GET -u <username>:<password> -o <output_backup_file_name>
```

https://<ip_addr> | FQDN>:8445/dsm/v1/domains/<domain_id>/backups/now

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/octet-stream

Example HTTP request

Request path

```
/v1/domains/0/backups/now
```

3.9. Domain Reports

3.9.1. Generate 'License usage by hosts' report

```
GET /v1/domains/{domainId}/reports/{reportName}
```

Description

Generate a license usage report filtered by host

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the host belongs	integer (int64)
Path	reportName <i>required</i>	Name of report, supported values: 'licenseUsageByHost'	string
Query	date <i>optional</i>	Report date. Format: YYYY-MM. Generates a report for a given month. Default value is current month	string
Query	hostName <i>optional</i>	Host name	string

Responses

HTTP Code	Description	Schema
200	Success	Domain Report
400	Unexpected payload, wrong format or bad data	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Report data not found	No Content
500	Unexpected server error	No Content
503	Server currently unavailable	503 Response Failure

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/reports/string
```

Example HTTP response

Response 200

```
{
  "organization" : "AAA",
  "domain" : "domain1",
  "agentType" : "FS",
  "licenseType" : "PERPETUAL",
  "hostName" : "10.10.66.141",
  "agentLicenseUsed" : 1,
  "logicalCoreUsed" : 2,
  "hoursUsed" : 0,
  "availableAgentLicenses" : 24,
  "availableDockerLicenses" : 500,
  "availableLDTLicenses" : 500,
  "ldtenabledHosts" : 0,
  "dockerEnabledHosts" : 0
}
```

Response 503

```
{
  "httpStatusCode" : 503,
  "message" : "The server is currently unable to handle the request due to a
temporary overloading or maintenance of the server."
}
```

3.9.2. Export 'License usage by host' report in given format

```
GET /v1/domains/{domainId}/reports/{reportName}/{format}
```

Description

Export the License Usage report as a CSV file

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the host belongs	integer (int64)
Path	format <i>required</i>	Format of the report file. Supported values: 'csv'	string
Path	reportName <i>required</i>	Name of report, supported values: 'licenseUsageByHost'	string
Query	date <i>optional</i>	Report date. Format: YYYY-MM. Generates a report for a given month. Default value is current month	string
Query	hostName <i>optional</i>	Host name	string

Responses

HTTP Code	Description	Schema
200	Success	Domain Report in CSV
400	Unexpected payload, wrong format or bad data	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Report data not found	No Content
500	Unexpected server error	No Content
503	Server currently unavailable	No Content

Produces

- text/plain

Example HTTP request

Request path

```
/v1/domains/0/reports/string/string
```

Example HTTP response

Response 200

```
{
  "payload" : "\"Organization\\\", \"Domain\\\", \"Agent Type\\\", \"License
Type\\\", \"Host\\\", \"Agent Licenses Used\\\", \"Logical Cores Used\\\", \"Hours
Used\\\", \"LDT Enabled Hosts\\\", \"Docker Enabled Hosts\\\", \"Available agent
licenses\\\", \"Available Docker licenses\\\", \"Available LDT
licenses\\\"\\n\"Acme\\\", \"domain1\\\", \"FS\\\", \"TERM\\\", \"some.host.com\\\", 0, 0, 0, 10, 50, 1
00, 10, 10\"
}
```

3.10. Domain Wrapper Keys

3.10.1. Create a wrapper key

```
POST /v1/domains/{domainId}/wrapperkeys
```

Description

Generate a new wrapper key

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Body	body <i>required</i>	Description of wrapper key	WrapperKeyCreateInfo

Responses

HTTP Code	Description	Schema
200	Success	WrapperKeyHistoryInfo
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/wrapperkeys
```

Request body

```
{  
  "description" : "wr-1 for DSM1"  
}
```

Example HTTP response

Response 200

```
{  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "keyIdentifier" : "0de-71e",  
  "createdBy" : "johndow",  
  "description" : "for domain ABC",  
  "current" : true,  
  "createdDate" : "string"  
}
```

3.10.2. Get wrapper key information

```
GET /v1/domains/{domainId}/wrapperkeys
```

Description

Get information for all of the wrapper keys

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)	
Query	createdBy <i>optional</i>	Admin user that created the Wrapper key	string	
Query	createdDate <i>optional</i>	Wrapper key creation date	string (date-time)	
Query	current <i>optional</i>	Indicates whether the Wrapper key is current or not	boolean	
Query	description <i>optional</i>	Wrapper key description	string	
Query	keyIdentifier <i>optional</i>	Last six symbols of the key hash	string	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of WrapperKeyHistoryInfo
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/wrapperkeys
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "keyIdentifier" : "0de-71e",
    "createdBy" : "johndow",
    "description" : "for domain ABC",
    "current" : true,
    "createdDate" : "string"
  } ]
}
```


3.10.3. Get current wrapper key

```
GET /v1/domains/{domainId}/wrapperkeys/currentwrapperkey
```

Description

Returns wrapper key if one currently exists

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	WrapperKeyCurrentInfo
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/wrapperkeys/currentwrapperkey
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "keyIdentifier" : "0de-71e",
  "createdBy" : "johndow",
  "description" : "created for domain1",
  "value" :
  "cfe875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80cfe875629c40252c9e9a7d3092e0fc17
a263b7a3d1eaa80",
  "createdDate" : "string"
}
```

3.10.4. Create wrapper key shares

```
POST /v1/domains/{domainId}/wrapperkeys/export
```

Description

Create key shares and divide amongst custodians

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Body	body <i>required</i>	Describe how many key shares of a wrapper key to divide the wrapper key into	Wrapper Key Export

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/wrapperkeys/export
```

Request body

```
{  
  "minimumNumberOfShares" : 2,  
  "totalNumberOfShares" : 4,  
  "userIds" : [ 0 ]  
}
```

3.10.5. Get wrapper key share ID

```
GET /v1/domains/{domainId}/wrapperkeys/importedkeyshares/{importedKeyShareId}
```

Description

Returns IDs of the imported key shares

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	importedKeyShareId <i>required</i>	ID of imported key share	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	UserKeyShareInfo
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/wrapperkeys/importedkeyshares/1023
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "keyShare" : "9da93e8622bbcfce875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80",
  "created" : "string"
}
```

3.10.6. Delete a wrapper key share

```
DELETE /v1/domains/{domainId}/wrapperkeys/importedkeyshares/{importedKeyShareId}
```

Description

Deletes a key share by its ID

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	importedKeyShareId <i>required</i>	ID of imported key share	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/wrapperkeys/importedkeyshares/1234
```


3.10.7. Add key shares

POST /v1/domains/{domainId}/wrapperkeys/keyshares

Description

Adds each custodian's key share

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Body	body <i>required</i>	Key share information	ImportKeyShareInfo

Responses

HTTP Code	Description	Schema
200	Success	UserKeyShareInfo
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/wrapperkeys/keyshares
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "keyShare" :
"cf875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80cf875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "keyShare" : "9da93e8622bbcf875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80",
  "created" : "string"
}
```

3.10.8. Get number of wrapper key shares

```
GET /v1/domains/{domainId}/wrapperkeys/keyshares/count
```

Description

Returns the number of key shares created from the wrapper key

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	Number of count items
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/wrapperkeys/keyshares/count
```

Example HTTP response

Response 200

```
{  
  "count" : 1  
}
```

3.10.9. Delete exported wrapper key shares

```
DELETE /v1/domains/{domainId}/wrapperkeys/keyshares/exported
```

Description

Delete wrapper key shares that have already been exported

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/wrapperkeys/keyshares/exported
```

3.10.10. Gets a list of administrators that have key shares

```
GET /v1/domains/{domainId}/wrapperkeys/keyshares/users
```

Description

Returns a list of all administrators who have key shares on their DSMs

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0

Responses

HTTP Code	Description	Schema
200	Success	List of CompactUserInfo
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/wrapperkeys/keyshares/users
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "johndoe",
    "adminType" : "string",
    "global" : true,
    "description" : "Description item",
    "permanent" : true,
    "enabled" : true,
    "readOnly" : false
  } ]
}
```


3.10.11. Recreate wrapper key from key shares

```
POST /v1/domains/{domainId}/wrapperkeys/keyshares/wrapperKey
```

Description

Recreates the wrapper key from the key shares

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)

Responses

HTTP Code	Description	Schema
201	Success, object or resource created	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/wrapperkeys/keyshares/wrapperKey
```

3.10.12. Get wrapper key share

```
GET /v1/domains/{domainId}/wrapperkeys/userkeyshare
```

Description

Returns each custodian's key share

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	UserKeyShareInfo
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/wrapperkeys/userkeyshare
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "keyShare" : "9da93e8622bbcf875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80",
  "created" : "string"
}
```

3.10.13. Get wrapper key history by ID

```
GET /v1/domains/{domainId}/wrapperkeys/{wrapperKeyHistoryId}
```

Description

Get wrapper key history for a specific wrapper key

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	wrapperKeyHistoryId <i>required</i>	ID for a specific wrapper key	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	WrapperKeyHistoryInfo
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/wrapperkeys/2010
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "keyIdentifier" : "0de-71e",
  "createdBy" : "johndow",
  "description" : "for domain ABC",
  "current" : true,
  "createdDate" : "string"
}
```

3.11. Domains

3.11.1. Create a domain

POST /v1/domains

Description

Creates a domain

Parameters

Type	Name	Description	Schema
Body	body <i>required</i>	Domain data	DomainCreationInfo

Responses

HTTP Code	Description	Schema
200	successful operation	DomainInfo
201	Success, object or resource created	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "domain1",
  "organization" : "Acme Inc.",
  "description" : "Description item",
  "helpDeskInfo" : "Jack Doe",
  "licenseQuota" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "term" : "{ 'VAE': { 'agentsCount': 150, 'expiresAt': '2022-08-31T07:00:00.000Z' } }",
    "perpetual" : "{ 'VAE': { 'agentsCount': 450 } }",
    "hourly" : "{ 'VAE': { 'agentsCount': 450 } }"
  },
  "fingerprintRegistrationDisabled" : true,
  "kmipEnabled" : true
}
```

Example HTTP response

Response 200


```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "domain1",
  "organization" : "Acme Inc.",
  "description" : "Description item",
  "helpDeskInfo" : "Jack Doe",
  "kmipEnabled" : true,
  "fingerprintRegistrationDisabled" : true,
  "administrators" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "johndoe",
    "adminType" : "string",
    "global" : true,
    "description" : "Description item",
    "permanent" : true,
    "enabled" : true,
    "readOnly" : false
  } ],
  "licenseQuota" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "term" : "{ 'VAE': { 'agentsCount': 150, 'expiresAt': '2022-08-31T07:00:00.000Z' } }",
    "perpetual" : "{ 'VAE': { 'agentsCount': 450 } }",
    "hourly" : "{ 'VAE': { 'agentsCount': 450 } }"
  }
}

```

3.11.2. Get domain(s) information

GET /v1/domains

Description

Returns a paginated list of all domains, with domain information

Parameters

Type	Name	Description	Schema	Default
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of CompactDomainInfo
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ]
}
```

3.11.3. Get domain information by domain name

```
GET /v1/domains/name/{domainName}
```

Description

Returns information for the specified domain

Parameters

Type	Name	Description	Schema
Path	domainName <i>required</i>	Name of domain	string

Responses

HTTP Code	Description	Schema
200	Success	DomainInfo
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/name/string
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "domain1",
  "organization" : "Acme Inc.",
  "description" : "Description item",
  "helpDeskInfo" : "Jack Doe",
  "kmipEnabled" : true,
  "fingerprintRegistrationDisabled" : true,
  "administrators" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "johndoe",
    "adminType" : "string",
    "global" : true,
    "description" : "Description item",
    "permanent" : true,
    "enabled" : true,
    "readOnly" : false
  } ],
  "licenseQuota" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "term" : "{ 'VAE': { 'agentsCount': 150, 'expiresAt': '2022-08-31T07:00:00.000Z' } }",
    "perpetual" : "{ 'VAE': { 'agentsCount': 450 } }",
    "hourly" : "{ 'VAE': { 'agentsCount': 450 } }"
  }
}
```

3.11.4. Get domain statistics

```
GET /v1/domains/stats/{statsName}
```

Description

Returns information for predefined statistics. Currently, the only supported statistic is 'unmanagedCount'

Parameters

Type	Name	Description	Schema
Path	statsName <i>required</i>	Statistic for the domain information that is returned. Possible value:unmanagedCount	enum (unmanagedCount)

Responses

HTTP Code	Description	Schema
200	Success	DomainStats
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/stats/string
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "unmanagedCount" : 0
}
```

3.11.5. Get information for the specified domain

```
GET /v1/domains/{domainId}
```

Description

Returns information for the specified domain, filtered by ID

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the Domain for which information will be returned	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	DomainInfo
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "domain1",
  "organization" : "Acme Inc.",
  "description" : "Description item",
  "helpDeskInfo" : "Jack Doe",
  "kmipEnabled" : true,
  "fingerprintRegistrationDisabled" : true,
  "administrators" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "johndoe",
    "adminType" : "string",
    "global" : true,
    "description" : "Description item",
    "permanent" : true,
    "enabled" : true,
    "readOnly" : false
  } ],
  "licenseQuota" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "term" : "{ 'VAE': { 'agentsCount': 150, 'expiresAt': '2022-08-31T07:00:00.000Z' } }",
    "perpetual" : "{ 'VAE': { 'agentsCount': 450 } }",
    "hourly" : "{ 'VAE': { 'agentsCount': 450 } }"
  }
}
```

3.11.6. Update domain information by ID

```
PUT /v1/domains/{domainId}
```

Description

Identify a domain by ID and update information for that domain. ID and NAME are immutable attributes

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain for which information is to be updated	integer (int64)
Body	body <i>required</i>	Domain data to be updated	DomainInfo

Responses

HTTP Code	Description	Schema
200	Success	DomainInfo
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "domain1",
  "organization" : "Acme Inc.",
  "description" : "Description item",
  "helpDeskInfo" : "Jack Doe",
  "kmipEnabled" : true,
  "fingerprintRegistrationDisabled" : true,
  "administrators" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "johndoe",
    "adminType" : "string",
    "global" : true,
    "description" : "Description item",
    "permanent" : true,
    "enabled" : true,
    "readOnly" : false
  } ],
  "licenseQuota" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "term" : "{ 'VAE': { 'agentsCount': 150, 'expiresAt': '2022-08-31T07:00:00.000Z' } }",
    "perpetual" : "{ 'VAE': { 'agentsCount': 450 } }",
    "hourly" : "{ 'VAE': { 'agentsCount': 450 } }"
  }
}
```

Example HTTP response

Response 200

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "domain1",
  "organization" : "Acme Inc.",
  "description" : "Description item",
  "helpDeskInfo" : "Jack Doe",
  "kmipEnabled" : true,
  "fingerprintRegistrationDisabled" : true,
  "administrators" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "johndoe",
    "adminType" : "string",
    "global" : true,
    "description" : "Description item",
    "permanent" : true,
    "enabled" : true,
    "readOnly" : false
  } ],
  "licenseQuota" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "term" : "{ 'VAE': { 'agentsCount': 150, 'expiresAt': '2022-08-31T07:00:00.000Z' } }",
    "perpetual" : "{ 'VAE': { 'agentsCount': 450 } }",
    "hourly" : "{ 'VAE': { 'agentsCount': 450 } }"
  }
}

```

3.11.7. Delete domain by ID

```
DELETE /v1/domains/{domainId}
```

Description

Delete a specific domain

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to be deleted	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0
```

3.11.8. Update domain licence by ID

```
PUT /v1/domains/{domainId}/license
```

Description

Identify a domain by ID and update license for that domain.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain for which license is to be updated	integer (int64)
Body	body <i>required</i>	License data to be updated	LicenseQuota

Responses

HTTP Code	Description	Schema
200	Success	DomainInfo
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/license
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "term" : "{ 'VAE': { 'agentsCount': 150, 'expiresAt': '2022-08-31T07:00:00.000Z' } }",
  "perpetual" : "{ 'VAE': { 'agentsCount': 450 } }",
  "hourly" : "{ 'VAE': { 'agentsCount': 450 } }"
}
```

Example HTTP response

Response 200


```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "domain1",
  "organization" : "Acme Inc.",
  "description" : "Description item",
  "helpDeskInfo" : "Jack Doe",
  "kmipEnabled" : true,
  "fingerprintRegistrationDisabled" : true,
  "administrators" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "johndoe",
    "adminType" : "string",
    "global" : true,
    "description" : "Description item",
    "permanent" : true,
    "enabled" : true,
    "readOnly" : false
  } ],
  "licenseQuota" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "term" : "{ 'VAE': { 'agentsCount': 150, 'expiresAt': '2022-08-31T07:00:00.000Z' } }",
    "perpetual" : "{ 'VAE': { 'agentsCount': 450 } }",
    "hourly" : "{ 'VAE': { 'agentsCount': 450 } }"
  }
}

```

3.11.9. Get domain information for managed domains

```
GET /v1/domains/{domainId}/managedby
```

Description

Returns information for the specified managed domain. A managed domain has an administrator assigned to it.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain for which information will be returned	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	List of UserInfo
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/managedby
```

Example HTTP response

Response 200

```

{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "johndoe",
    "adminType" : "string",
    "global" : true,
    "description" : "Description item",
    "permanent" : true,
    "enabled" : true,
    "readOnly" : false,
    "lastLoginAt" : "2018-03-23",
    "lockoutAt" : "2018-03-22",
    "roles" : [ "string" ],
    "passwordResetRequired" : true,
    "restrictedDomains" : [ {
      "id" : 1000,
      "url" : "/v1/admins/1000",
      "createdAt" : "string",
      "updatedAt" : "string",
      "name" : "domain1",
      "organization" : "Acme Inc.",
      "description" : "Description item",
      "helpDeskInfo" : "Jack Doe",
      "kmipEnabled" : true,
      "fingerprintRegistrationDisabled" : true
    } ],
    "managedDomains" : [ {
      "id" : 1000,
      "url" : "/v1/admins/1000",
      "createdAt" : "string",
      "updatedAt" : "string",
      "name" : "domain1",
      "organization" : "Acme Inc.",
      "description" : "Description item",
      "helpDeskInfo" : "Jack Doe",
      "kmipEnabled" : true,
      "fingerprintRegistrationDisabled" : true
    } ],
    "rsaUserId" : "string",
    "smartCardLoginEnabled" : false,
    "smartCardUserMapping" : [ "string" ]
  } ]
}

```

3.11.10. Assign administrator to domain

```
PUT /v1/domains/{domainId}/managedby/{adminId}
```

Description

Assign a specific administrator to a specific domain.

Parameters

Type	Name	Description	Schema
Path	adminId <i>required</i>	ID of the administrator to assign to the specified domain	integer (int64)
Path	domainId <i>required</i>	ID of the domain to which to assign the administrator	integer (int64)
Body	body <i>optional</i>	Roles for a domain administrator	< enum (AUDIT, CHALLENGE_RESPONSE, CLIENT_IDENTITY, DOMAIN, HOST, KEY, POLICY) > array

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Unexpected payload, wrong format or bad data	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/managedby/0
```

Request body

```
[ "string" ]
```

3.11.11. Remove administrator from domain

```
DELETE /v1/domains/{domainId}/managedby/{adminId}
```

Description

Removes an administrator from the specified domain. Note that an administrator can only be removed by another administrator who is also a member of that domain.

Parameters

Type	Name	Description	Schema
Path	adminId <i>required</i>	ID of the administrator to be removed from the specified domain	integer (int64)
Path	domainId <i>required</i>	ID of the domain from which the administrator is to be removed	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Unexpected payload, wrong format or bad data	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/managedby/0
```


3.11.12. Get statistics for a specific domain

```
GET /v1/domains/{domainId}/stats/{statsName}
```

Description

Returns information for predefined statistics for a specified Domain. Currently only the 'unmanagedCount' statistic is supported

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain for which statistics are retrieved	integer (int64)
Path	statsName <i>required</i>	Statistics returned	enum (unmanagedCount)

Responses

HTTP Code	Description	Schema
200	Success	DomainStats
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/stats/string
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "unmanagedCount" : 0
}
```

3.11.13. Submit a long-running Job

```
POST /v1/domains/{domainId}/{asyncJob}
```

Description

Submit a job for the specified domain. Use 'Location' value of header to read the status of the created job.

Parameters

Type	Name	Description	Schema
Path	asyncJob <i>required</i>	Job name. The only value is hostGuardPointStatus	enum (hostGuardPointStatus)
Path	domainId <i>required</i>	ID of the job for which the report will be generated	integer (int64)

Responses

HTTP Code	Description	Schema
202	Success, request accepted	JobStatusInfo
400	Unexpected payload, wrong format or bad data	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/string
```

Example HTTP response

Response 202

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "status" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "string",
    "domainUrl" : "string",
    "state" : "string",
    "totalHostsCount" : 0,
    "completedHostsCount" : 0,
    "totalTasksCount" : 0,
    "remainingTasksCount" : 0,
    "queuedPosition" : 0,
    "completedAt" : "string"
  }
}
```

3.11.14. List of host GuardPoint status

```
GET /v1/domains/{domainId}/{asyncJob}/{jobId}
```

Description

Provides a list of status values for the GuardPoints on the host

Parameters

Type	Name	Description	Schema	Default
Path	asyncJob <i>required</i>	Job name. The only value is hostGuardPointStatus	enum (hostGuardPointStatus)	
Path	domainId <i>required</i>	ID of the domain for which the report will be generated	integer (int64)	
Path	jobId <i>required</i>	ID of the specific job	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0

Responses

HTTP Code	Description	Schema
200	Success	List of HostGuardPointStatusInfo
204	Success, no content	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/string/0
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "state" : "string",
    "host" : {
      "id" : 1000,
      "url" : "/v1/admins/1000",
      "createdAt" : "string",
      "updatedAt" : "string",
      "name" : "host1",
      "description" : "Description item",
      "os" : "Linux",
      "licenseType" : "PERPETUAL",
      "agents" : "{ 'VTE': { 'version': '6.0.0' } }",
      "shareMode" : "SHARED",
      "configurationPushStatus" : "PENDING",
      "lastSecurityUpdatedAt" : "2018-04-24T18:39:42.662+0000",
      "domainUrl" : "/v1/domains/1000",
      "port" : 8050,
      "sharedDomains" : [ {
        "id" : 1000,
        "url" : "/v1/admins/1000",
        "createdAt" : "string",
        "updatedAt" : "string",
        "name" : "domain1",
        "organization" : "Acme Inc.",
        "description" : "Description item",
        "helpDeskInfo" : "Jack Doe",
        "kmipEnabled" : true,
        "fingerprintRegistrationDisabled" : true
      } ],
      "authentication" : {
        "id" : 1000,
        "url" : "/v1/admins/1000",
        "createdAt" : "string",
        "updatedAt" : "string",
        "method" : "string",
        "password" : "MySecret1",
```

```

    "regenerate" : true
  },
  "certificateAlgorithm" : "string",
  "hostSettings" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "keyword" : "authenticator",
    "processPath" : "/usr/sbin/sshd"
  } ],
  "reSignHostSettings" : true,
  "systemLocked" : true,
  "fsAgentLocked" : true,
  "challengeAndResponseEnabled" : true,
  "dockerEnabled" : true,
  "secureStartCapable" : true,
  "allowAdditionalSlots" : true,
  "encryptionKeyProtection" : true,
  "fflEnabled" : true,
  "efficientStorageEnabled" : true,
  "odtenabled" : true,
  "ldtstop" : true,
  "shared" : true
},
"statuses" : [ {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "guardPoint" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "hostId" : 5000,
    "guardPath" : "/docs/folder1",
    "guardPointType" : "string",
    "enabled" : true,
    "guardStatus" : "string",
    "hostUrl" : "/v1/domains/1000/hosts/2000",
    "guardInfo" : "{ 'property1': 'info1', 'property2': 'info2' }",
    "diskGroupName" : "GroupName",
    "autoMountEnabled" : true,
    "hostGroupName" : "MyHostGroupName",
    "policy" : {
      "id" : 1000,
      "url" : "/v1/admins/1000",
      "createdAt" : "string",
      "updatedAt" : "string",
      "domainId" : 1000,
      "domainUrl" : "/v1/domains/1000/",
      "name" : "MyFirstPolicy",
      "description" : "My description",
      "policyType" : "string",
      "version" : 0,
      "learnMode" : true
    }
  }
},

```

```
    "earlyAccess" : true,  
    "efficientStorageDevice" : true  
  },  
  "errorReason" : "string"  
} ],  
"completedAt" : "string"  
} ]  
}
```


3.11.15. Cancel the submitted job

```
DELETE /v1/domains/{domainId}/{asyncJob}/{jobId}
```

Description

Cancel a job submitted by `/v1/domains/{domainId}/{asyncJob}` endpoint

Parameters

Type	Name	Description	Schema
Path	<code>asyncJob</code> <i>required</i>	Job name. The only value is <code>hostGuardPointStatus</code>	enum (hostGuardPointStatus)
Path	<code>domainId</code> <i>required</i>	ID of the specified domain for which the report is generated	integer (int64)
Path	<code>jobId</code> <i>required</i>	ID of the specific job	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	JobStatusInfo
400	Unexpected payload, wrong format or bad data	No Content
500	Unexpected server error	No Content

Consumes

- `application/json`

Produces

- `application/json`

Example HTTP request

Request path

```
/v1/domains/0/string/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "status" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "string",
    "domainUrl" : "string",
    "state" : "string",
    "totalHostsCount" : 0,
    "completedHostsCount" : 0,
    "totalTasksCount" : 0,
    "remainingTasksCount" : 0,
    "queuedPosition" : 0,
    "completedAt" : "string"
  }
}
```

3.11.16. Get job status

```
GET /v1/domains/{domainId}/{asyncJob}/{jobId}/status
```

Description

Returns the status of the host GuardPoint job

Parameters

Type	Name	Description	Schema
Path	asyncJob <i>required</i>	Job name. The only value is hostGuardPointStatus	enum (hostGuardPointStatus)
Path	domainId <i>required</i>	ID of the domain to which the host belongs	integer (int64)
Path	jobId <i>required</i>	ID of the specific job	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	JobStatusInfo
400	Unexpected payload, wrong format or bad data	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/string/0/status
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "status" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "string",
    "domainUrl" : "string",
    "state" : "string",
    "totalHostsCount" : 0,
    "completedHostsCount" : 0,
    "totalTasksCount" : 0,
    "remainingTasksCount" : 0,
    "queuedPosition" : 0,
    "completedAt" : "string"
  }
}
```

3.11.17. Generate domain license usage report

```
GET /v1/domains/{domainId}/{reportName}
```

Description

Generates a monthly license usage report for a specific domain

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	ID of the domain for which the report is generated	integer (int64)	
Path	reportName <i>required</i>	Name of the domain report. Possible values are: licenseUsage, hostGuardPointStatus	enum (licenseUsage, hostGuardPointStatus)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	

Responses

HTTP Code	Description	Schema
200	Success	string
400	Unexpected payload, wrong format or bad data	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/string
```

Example HTTP response

Response 200

```
"string"
```

3.11.18. Download domain report in CSV format

```
GET /v1/domains/{domainId}/{reportName}/csv
```

Description

Download a domain report in CSV format so you can import it into a database or spreadsheet

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain from which the report is generated	integer (int64)
Path	reportName <i>required</i>	Name of the domain report. Possible values are: licenseUsage,hostGuardPointStatus,licenseUsageByHost	enum (licenseUsage, hostGuardPointStatus, licenseUsageByHost)

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Unexpected payload, wrong format or bad data	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- text/plain

Example HTTP request

Request path

```
/v1/domains/0/string/csv
```


3.11.19. Get domain information

```
GET /v1/domains/{keyword}
```

Description

Returns a paginated list of domains, depending on the keyword used—all, managed (admin assigned), or unmanaged (no admin assigned)

Parameters

Type	Name	Description	Schema	Default
Path	keyword <i>required</i>	Keyword for type of domain information to return	enum (all, managed, unmanaged)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of CompactDomainInfo
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/string
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ]
}
```

3.12. Export Keys

3.12.1. Export Keys

```
POST /v1/domains/{domainId}/keys/export
```

Description

Exported keys are downloaded to and saved with a .dat extension to the default file download location on your computer.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Body	body <i>required</i>	Object ID list	List of longs

Responses

HTTP Code	Description	Schema
200	Success	Number of exported items
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
409	Unable to complete request because requested feature(s) is not supported in the current state.	No Content
500	Unexpected server error	No Content

Produces

- `application/octet-stream`

Example HTTP request

Request path

```
/v1/domains/0/keys/export
```

Request body

```
{  
  "data" : "[ 1000, 1001 ]"  
}
```

Example HTTP response

Response 200

```
{  
  "exportedKeys" : 1  
}
```

3.13. GuardPoints

3.13.1. Create a GuardPoint

```
POST /v1/domains/{domainId}/hosts/{hostId}/guardpoints
```

Description

Creates a GuardPoint on a given host and domain

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Path	hostId <i>required</i>	ID of the domain to which the host belongs	integer (int64)
Body	body <i>required</i>	Guardpoint info	GuardPointCreationInfo

Responses

HTTP Code	Description	Schema
200	successful operation	GuardPointInfo
201	Success, object or resource created	No Content
400	Unexpected payload, wrong format or bad data	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0/guardpoints
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "hostId" : 3000,
  "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
  "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59",
  "policyId" : 28,
  "guardPointType" : "string",
  "guardPath" : "/docs/folder1",
  "autoMountEnabled" : false,
  "earlyAccess" : false,
  "efficientStorageDevice" : false
}
```

Example HTTP response

Response 200

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "hostId" : 5000,
  "guardPath" : "/docs/folder1",
  "guardPointType" : "string",
  "enabled" : true,
  "guardStatus" : "string",
  "hostUrl" : "/v1/domains/1000/hosts/2000",
  "guardInfo" : "{ 'property1': 'info1', 'property2': 'info2' }",
  "diskGroupName" : "GroupName",
  "autoMountEnabled" : true,
  "hostGroupName" : "MyHostGroupName",
  "policy" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "domainId" : 1000,
    "domainUrl" : "/v1/domains/1000/",
    "name" : "MyFirstPolicy",
    "description" : "My description",
    "policyType" : "string",
    "version" : 0,
    "learnMode" : true
  },
  "earlyAccess" : true,
  "efficientStorageDevice" : true
}

```

3.13.2. Get list of all GuardPoints

```
GET /v1/domains/{domainId}/hosts/{hostId}/guardpoints
```

Description

Returns a paginated list of all GuardPoints in a particular domain on a host

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)	
Path	hostId <i>required</i>	ID of the domain to which the host belongs	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of GuardPointInfo
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
412	Unable to process the request because the agent is not reachable	412 Response Failure
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0/guardpoints
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "hostId" : 5000,
    "guardPath" : "/docs/folder1",
    "guardPointType" : "string",
    "enabled" : true,
    "guardStatus" : "string",
    "hostUrl" : "/v1/domains/1000/hosts/2000",
    "guardInfo" : "{ 'property1': 'info1', 'property2': 'info2' }",
    "diskGroupName" : "GroupName",
    "autoMountEnabled" : true,
    "hostGroupName" : "MyHostGroupName",
    "policy" : {
      "id" : 1000,
      "url" : "/v1/admins/1000",
      "createdAt" : "string",
      "updatedAt" : "string",
      "domainId" : 1000,
      "domainUrl" : "/v1/domains/1000/",
      "name" : "MyFirstPolicy",
      "description" : "My description",
      "policyType" : "string",
      "version" : 0,
      "learnMode" : true
    },
    "earlyAccess" : true,
    "efficientStorageDevice" : true
  } ]
}
```

Response 412

```
{
  "httpStatusCode" : 412,
  "message" : "The security server was unable to contact the agent."
}
```

3.13.3. Get GuardPoint information by guard path

```
POST /v1/domains/{domainId}/hosts/{hostId}/guardpoints/guardpath
```

Description

Returns information about a GuardPoint for a given guard path. An example of the payload for a Linux host: path : /test3/ and for a Windows host; path : c:\test\one\

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Path	hostId <i>required</i>	ID of the domain to which the host belongs	integer (int64)
Body	body <i>required</i>	List of Guardpaths	GuardPathInfo

Responses

HTTP Code	Description	Schema
200	Success	< GuardPointInfo > array
400	Unexpected payload, wrong format or bad data	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
412	Unable to process the request because the agent is not reachable	412 Response Failure
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0/guardpoints/guardpath
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "guardPath" : "/docs/folder1"
}
```

Example HTTP response

Response 200

```
[ {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "hostId" : 5000,
  "guardPath" : "/docs/folder1",
  "guardPointType" : "string",
  "enabled" : true,
  "guardStatus" : "string",
  "hostUrl" : "/v1/domains/1000/hosts/2000",
  "guardInfo" : "{ 'property1': 'info1', 'property2': 'info2' }",
  "diskGroupName" : "GroupName",
  "autoMountEnabled" : true,
  "hostGroupName" : "MyHostGroupName",
  "policy" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "domainId" : 1000,
    "domainUrl" : "/v1/domains/1000/",
    "name" : "MyFirstPolicy",
    "description" : "My description",
    "policyType" : "string",
    "version" : 0,
    "learnMode" : true
  },
  "earlyAccess" : true,
  "efficientStorageDevice" : true
} ]
```

Response 412

```
{
  "httpStatusCode" : 412,
  "message" : "The security server was unable to contact the agent."
}
```

3.13.4. Gets GuardPoint information by ID

```
GET /v1/domains/{domainId}/hosts/{hostId}/guardpoints/{guardPointId}
```

Description

Returns complete information about a GuardPoint for a GuardPoint ID

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Path	guardPointId <i>required</i>	GuardPoint ID	integer (int64)
Path	hostId <i>required</i>	ID of the domain to which the host belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	GuardPointInfo
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
412	Unable to process the request because the agent is not reachable	412 Response Failure
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0/guardpoints/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "hostId" : 5000,
  "guardPath" : "/docs/folder1",
  "guardPointType" : "string",
  "enabled" : true,
  "guardStatus" : "string",
  "hostUrl" : "/v1/domains/1000/hosts/2000",
  "guardInfo" : "{ 'property1': 'info1', 'property2': 'info2' }",
  "diskGroupName" : "GroupName",
  "autoMountEnabled" : true,
  "hostGroupName" : "MyHostGroupName",
  "policy" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "domainId" : 1000,
    "domainUrl" : "/v1/domains/1000/",
    "name" : "MyFirstPolicy",
    "description" : "My description",
    "policyType" : "string",
    "version" : 0,
    "learnMode" : true
  },
  "earlyAccess" : true,
  "efficientStorageDevice" : true
}
```

Response 412

```
{
  "statusCode" : 412,
  "message" : "The security server was unable to contact the agent."
}
```

3.13.5. Create Secure Start GuardPoint

```
PUT /v1/domains/{domainId}/hosts/{hostId}/guardpoints/{guardPointId}
```

Description

Creates a GuardPoint with Secure Start enabled. This feature is only supported on Windows hosts, refer to the VTE documentation for more information

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Path	guardPointId <i>required</i>	GuardPoint ID	integer (int64)
Path	hostId <i>required</i>	ID of the domain to which the host belongs	integer (int64)
Body	body <i>required</i>	Early access payload	EarlyAccessInfo

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Unexpected payload, wrong format or bad data	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0/guardpoints/0
```

Request body

```
{  
  "earlyAccess" : true  
}
```

3.13.6. Unguard a GuardPoint

```
DELETE /v1/domains/{domainId}/hosts/{hostId}/guardpoints/{guardPointId}
```

Description

Identifies a GuardPoint by ID and unguards that GuardPoint

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Path	guardPointId <i>required</i>	GuardPoint ID	integer (int64)
Path	hostId <i>required</i>	ID of the domain to which the host belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0/guardpoints/0
```

3.13.7. Enable a GuardPoint

```
PUT /v1/domains/{domainId}/hosts/{hostId}/guardpoints/{guardPointId}/enabled
```

Description

Identifies a GuardPoint by ID and enables that GuardPoint

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Path	guardPointId <i>required</i>	GuardPoint ID	integer (int64)
Path	hostId <i>required</i>	ID of the domain to which the host belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
304	Not Modified	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0/guardpoints/0/enabled
```

3.13.8. Disable a GuardPoint

```
DELETE /v1/domains/{domainId}/hosts/{hostId}/guardpoints/{guardPointId}/enabled
```

Description

Identifies a GuardPoint by ID and disables that GuardPoint

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Path	guardPointId <i>required</i>	GuardPoint ID	integer (int64)
Path	hostId <i>required</i>	ID of the domain to which the host belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
304	Not Modified	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0/guardpoints/0/enabled
```

3.13.9. Get filtered list of GuardPoints

```
GET /v1/domains/{domainId}/hosts/{hostId}/guardpoints/{keyword}
```

Description

Returns a paginated list of GuardPoints in the domain, depending on the keyword used—all, by name, sorted, ordered, or limited to a number

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)	
Path	hostId <i>required</i>	ID of the domain to which the host belongs	integer (int64)	
Path	keyword <i>required</i>	Keyword on which to filter the list of requested GuardPoint information	enum (all)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of GuardPointInfo
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
412	Unable to process the request because the agent is not reachable	412 Response Failure
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0/guardpoints/string
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "hostId" : 5000,
    "guardPath" : "/docs/folder1",
    "guardPointType" : "string",
    "enabled" : true,
    "guardStatus" : "string",
    "hostUrl" : "/v1/domains/1000/hosts/2000",
    "guardInfo" : "{ 'property1': 'info1', 'property2': 'info2' }",
    "diskGroupName" : "GroupName",
    "autoMountEnabled" : true,
    "hostGroupName" : "MyHostGroupName",
    "policy" : {
      "id" : 1000,
      "url" : "/v1/admins/1000",
      "createdAt" : "string",
      "updatedAt" : "string",
      "domainId" : 1000,
      "domainUrl" : "/v1/domains/1000/",
      "name" : "MyFirstPolicy",
      "description" : "My description",
      "policyType" : "string",
      "version" : 0,
      "learnMode" : true
    },
    "earlyAccess" : true,
    "efficientStorageDevice" : true
  } ]
}
```

Response 412

```
{  
  "httpStatusCode" : 412,  
  "message" : "The security server was unable to contact the agent."  
}
```

3.14. High Availability

3.14.1. Update the host assignment

```
PUT /v1/ha/assignment
```

Description

Update the host assignment from the existing HA node to the specified HA node

Parameters

Type	Name	Description	Schema
Body	body <i>optional</i>	Information to update the host assignment	HostAssignmentInfo

Responses

HTTP Code	Description	Schema
200	Success	HostAssignmentUpdatedInfo
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- `application/json`

Example HTTP request

Request path

```
/v1/ha/assignment
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "hostNames" : [ "string" ],
  "toNodeName" : "host1"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string"
}
```

3.14.2. Get hosts assigned to the given HA node

```
GET /v1/ha/hosts/{haNodeName}
```

Description

Returns information about hosts assigned to a specific HA node

Parameters

Type	Name	Description	Schema	Default
Path	haNodeName <i>required</i>	Name of the HA node for which the assigned hosts are requested	string	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	< Compact model for host > array
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/ha/hosts/string
```

Example HTTP response

Response 200

```
[ {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "host1",
  "description" : "Description item",
  "os" : "Linux",
  "licenseType" : "PERPETUAL",
  "agents" : "{ 'VTE': { 'version': '6.0.0' } }",
  "shareMode" : "SHARED",
  "configurationPushStatus" : "PENDING",
  "lastSecurityUpdatedAt" : "2018-04-24T18:39:42.662+0000",
  "domainUrl" : "/v1/domains/1000",
  "shared" : true
} ]
```

3.15. Host Groups

3.15.1. Create Host Group

```
POST /v1/domains/{domainId}/hostGroups
```

Description

Creates a host group with the information provided, in a specific domain

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain in which to create the host groups	integer (int64)
Body	body <i>optional</i>	hostGroup creation information to create host group	HostGroupCreation Info model

Responses

HTTP Code	Description	Schema
201	Success, object or resource created	Model for HostGroup
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hostGroups
```

Request body

```
{  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "domainId" : 1000,  
  "hostGroupName" : "hostGroup1",  
  "description" : "Description item",  
  "clusterType" : "HDFS"  
}
```

Example HTTP response

Response 201

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "description" : "Description item",
  "clusterType" : "NONE",
  "fsPemEnabled" : true,
  "db2PemEnabled" : false,
  "idsPemEnabled" : true,
  "pkcs11PemEnabled" : true,
  "kmipPemEnabled" : true,
  "systemLockEnabled" : true,
  "coreGuardLockEnabled" : false,
  "offlinePolicyEnabled" : true,
  "verifyPolicyEnabled" : false,
  "rekeyCpuUsagePercentage" : 5,
  "rekeyCPUCap" : false,
  "rekeyQosSchedule" :
  "{ 'SUN': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'MON':
  [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'TUE': [ { 'start
  Time': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'WED': [ { 'startTime': { '
  hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'THU': [ { 'startTime': { 'hour': 0,
  'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'FRI': [ { 'startTime': { 'hour': 0, 'min': 0 }
  , 'endTime': { 'hour': 23, 'min': 59 } } ], 'SAT': [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTim
  e': { 'hour': 23, 'min': 59 } } ] }",
  "password" : "MySecret1",
  "randomHostPassword" : true,
  "hostGroupSettings" : "[ 'auth/bin' ]",
  "reSignHostSettings" : true,
  "overwriteAllHostSettings" : true,
  "hostGroupName" : "hostGroup1"
}

```

3.15.2. Get Host Groups

```
GET /v1/domains/{domainId}/hostGroups
```

Description

Returns a paginated list of information for all host groups in the domain, you can filter results based on query parameters

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	ID of the domain that contains the host groups	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of HostGroupInfo
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hostGroups
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "domainId" : 1000,
    "description" : "Description item",
    "clusterType" : "NONE",
    "fsPemEnabled" : true,
    "db2PemEnabled" : false,
    "idsPemEnabled" : true,
    "pkcs11PemEnabled" : true,
    "kmipPemEnabled" : true,
    "systemLockEnabled" : true,
    "coreGuardLockEnabled" : false,
    "offlinePolicyEnabled" : true,
    "verifyPolicyEnabled" : false,
    "rekeyCpuUsagePercentage" : 5,
    "rekeyCPUCap" : false,
    "rekeyQosSchedule" :
    "{ 'SUN': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'MON':
    [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'TUE': [ { 'start
    Time': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'WED': [ { 'startTime': { '
    hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'THU': [ { 'startTime': { 'hour': 0,
    'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'FRI': [ { 'startTime': { 'hour': 0, 'min': 0 }
    , 'endTime': { 'hour': 23, 'min': 59 } } ], 'SAT': [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTim
    e': { 'hour': 23, 'min': 59 } } ] }",
    "password" : "MySecret1",
    "randomHostPassword" : true,
    "hostGroupSettings" : "[ 'auth/bin' ]",
    "reSignHostSettings" : true,
    "overwriteAllHostSettings" : true,
    "hostGroupName" : "hostGroup1"
  } ]
}
```

3.15.3. Delete Host Group

```
DELETE /v1/domains/{domainId}/hostGroups
```

Description

Delete a specific host group

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain that contains the host group to be deleted	integer (int64)
Body	body <i>required</i>	Host group name(s) to delete	List of strings

Responses

HTTP Code	Description	Schema
200	Success. Return number of deleted items	Number of deleted items
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hostGroups
```

Request body

```
{  
  "data" : "[ 'name1', 'name2' ]"  
}
```

Example HTTP response

Response 200

```
{  
  "deleted" : 2  
}
```

3.15.4. Add GuardPoints to a host group

```
POST /v1/domains/{domainId}/hostGroups/guardPoints
```

Description

Add GuardPoints to a host group within a specified domain

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain that contains host group for which guardpoints are added.	integer (int64)
Body	body <i>optional</i>	Model to add list of guardpoints to host group	Value bean to add guardpoints to host group

Responses

HTTP Code	Description	Schema
200	successful operation	Model for HostGroup
201	Success, object or resource created	Model for HostGroup
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hostGroups/guardPoints
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "hostGroupName" : "hostGroup1",
  "policyName" : "MyFirstPolicy",
  "guardPaths" : "/docs/folder1",
  "dockerImageId" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
  "dockerContainerId" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59",
  "guardPointType" : "string",
  "autoMountEnabled" : false,
  "preserveSparseRegions" : false,
  "earlyAccess" : false,
  "efficientStorageDevice" : false
}
```

Example HTTP response

Response 200


```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "description" : "Description item",
  "clusterType" : "NONE",
  "fsPemEnabled" : true,
  "db2PemEnabled" : false,
  "idsPemEnabled" : true,
  "pkcs11PemEnabled" : true,
  "kmipPemEnabled" : true,
  "systemLockEnabled" : true,
  "coreGuardLockEnabled" : false,
  "offlinePolicyEnabled" : true,
  "verifyPolicyEnabled" : false,
  "rekeyCpuUsagePercentage" : 5,
  "rekeyCPUCap" : false,
  "rekeyQosSchedule" :
  "{ 'SUN': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'MON':
  [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'TUE': [ { 'start
  Time': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'WED': [ { 'startTime': { '
  hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'THU': [ { 'startTime': { 'hour': 0,
  'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'FRI': [ { 'startTime': { 'hour': 0, 'min': 0 }
  , 'endTime': { 'hour': 23, 'min': 59 } } ], 'SAT': [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTim
  e': { 'hour': 23, 'min': 59 } } ] }",
  "password" : "MySecret1",
  "randomHostPassword" : true,
  "hostGroupSettings" : "[ 'auth/bin' ]",
  "reSignHostSettings" : true,
  "overwriteAllHostSettings" : true,
  "hostGroupName" : "hostGroup1"
}

```

Response 201

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "description" : "Description item",
  "clusterType" : "NONE",
  "fsPemEnabled" : true,
  "db2PemEnabled" : false,
  "idsPemEnabled" : true,
  "pkcs11PemEnabled" : true,
  "kmipPemEnabled" : true,
  "systemLockEnabled" : true,
  "coreGuardLockEnabled" : false,
  "offlinePolicyEnabled" : true,
  "verifyPolicyEnabled" : false,
  "rekeyCpuUsagePercentage" : 5,
  "rekeyCPUCap" : false,
  "rekeyQosSchedule" :
  "{ 'SUN': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'MON':
  [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'TUE': [ { 'start
  Time': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'WED': [ { 'startTime': { '
  hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'THU': [ { 'startTime': { 'hour': 0,
  'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'FRI': [ { 'startTime': { 'hour': 0, 'min': 0 }
  , 'endTime': { 'hour': 23, 'min': 59 } } ], 'SAT': [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTim
  e': { 'hour': 23, 'min': 59 } } ] }",
  "password" : "MySecret1",
  "randomHostPassword" : true,
  "hostGroupSettings" : "[ 'auth/bin' ]",
  "reSignHostSettings" : true,
  "overwriteAllHostSettings" : true,
  "hostGroupName" : "hostGroup1"
}

```

3.15.5. Delete GuardPoints from Host Group

```
DELETE /v1/domains/{domainId}/hostGroups/guardPoints
```

Description

Deletes specified GuardPoints from a specific host group

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain that contains the host group from which the GuardPoint will be deleted.	integer (int64)
Body	body <i>optional</i>	Model to remove guardpoint list from host group	Value bean to remove guardpoints to host group

Responses

HTTP Code	Description	Schema
200	Success. Return number of deleted items	Number of deleted items
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hostGroups/guardPoints
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "hostGroupName" : "hostGroup1",
  "policyName" : "MyFirstPolicy",
  "guardPaths" : "/docs/folder1"
}
```

Example HTTP response

Response 200

```
{
  "deleted" : 2
}
```

3.15.6. Delete hosts from a host group

```
DELETE /v1/domains/{domainId}/hostGroups/hosts/{hostGroupId}
```

Description

Deletes specified hosts from a host group

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of domain that contains the host group to be deleted	integer (int64)
Path	hostGroupId <i>required</i>	ID of host group from which the host is to be deleted	integer (int64)
Body	body <i>required</i>	List of comma separates host names to delete from given host group	List of strings

Responses

HTTP Code	Description	Schema
200	Success. Return number of deleted items	Number of deleted items
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hostGroups/hosts/0
```

Request body

```
{  
  "data" : "[ 'name1', 'name2']"  
}
```

Example HTTP response

Response 200

```
{  
  "deleted" : 2  
}
```

3.15.7. Get hosts in host group

```
GET /v1/domains/{domainId}/hostGroups/hosts/{hostGroupName}
```

Description

Returns information about hosts in a specific host group

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain that contains host group for which host information is requested	integer (int64)
Path	hostGroupName <i>required</i>	Name of host group for which host information is requested	string

Responses

HTTP Code	Description	Schema
200	Success	< Compact model for host > array
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hostGroups/hosts/string
```

Example HTTP response

Response 200

```
[ {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "host1",
  "description" : "Description item",
  "os" : "Linux",
  "licenseType" : "PERPETUAL",
  "agents" : "{ 'VTE': { 'version': '6.0.0' } }",
  "shareMode" : "SHARED",
  "configurationPushStatus" : "PENDING",
  "lastSecurityUpdatedAt" : "2018-04-24T18:39:42.662+0000",
  "domainUrl" : "/v1/domains/1000",
  "shared" : true
} ]
```


3.15.8. Add Hosts to Host Group

```
POST /v1/domains/{domainId}/hostGroups/hosts/{propagateGroupSettings}
```

Description

Adds multiple hosts to a specific host group, in a specific domain

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the host group belongs	integer (int64)
Path	propagateGroupSettings <i>required</i>	If set to true, the complete host group configuration will be applied to this host including Host Settings, File System Agent Lock, System Lock, Registration Allowed and Communication Enabled	boolean
Body	body <i>optional</i>	Model to add list of hosts in host group	Add Hosts to HostGroup

Responses

HTTP Code	Description	Schema
200	successful operation	Model for HostGroup
201	Success, object or resource created	Model for HostGroup
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hostGroups/hosts/true
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "hostNames" : "[ 'name1', 'name2' ]",
  "hostGroupName" : "hostgroup1"
}
```

Example HTTP response

Response 200

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "description" : "Description item",
  "clusterType" : "NONE",
  "fsPemEnabled" : true,
  "db2PemEnabled" : false,
  "idsPemEnabled" : true,
  "pkcs11PemEnabled" : true,
  "kmipPemEnabled" : true,
  "systemLockEnabled" : true,
  "coreGuardLockEnabled" : false,
  "offlinePolicyEnabled" : true,
  "verifyPolicyEnabled" : false,
  "rekeyCpuUsagePercentage" : 5,
  "rekeyCPUCap" : false,
  "rekeyQosSchedule" :
  "{ 'SUN': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'MON':
  [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'TUE': [ { 'start
  Time': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'WED': [ { 'startTime': { '
  hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'THU': [ { 'startTime': { 'hour': 0,
  'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'FRI': [ { 'startTime': { 'hour': 0, 'min': 0 }
  , 'endTime': { 'hour': 23, 'min': 59 } } ], 'SAT': [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTim
  e': { 'hour': 23, 'min': 59 } } ] }",
  "password" : "MySecret1",
  "randomHostPassword" : true,
  "hostGroupSettings" : "[ 'auth/bin' ]",
  "reSignHostSettings" : true,
  "overwriteAllHostSettings" : true,
  "hostGroupName" : "hostGroup1"
}

```

Response 201

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "description" : "Description item",
  "clusterType" : "NONE",
  "fsPemEnabled" : true,
  "db2PemEnabled" : false,
  "idsPemEnabled" : true,
  "pkcs11PemEnabled" : true,
  "kmipPemEnabled" : true,
  "systemLockEnabled" : true,
  "coreGuardLockEnabled" : false,
  "offlinePolicyEnabled" : true,
  "verifyPolicyEnabled" : false,
  "rekeyCpuUsagePercentage" : 5,
  "rekeyCPUCap" : false,
  "rekeyQosSchedule" :
  "{ 'SUN': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'MON':
  [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'TUE': [ { 'start
  Time': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'WED': [ { 'startTime': { '
  hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'THU': [ { 'startTime': { 'hour': 0,
  'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'FRI': [ { 'startTime': { 'hour': 0, 'min': 0 }
  , 'endTime': { 'hour': 23, 'min': 59 } } ], 'SAT': [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTim
  e': { 'hour': 23, 'min': 59 } } ] }",
  "password" : "MySecret1",
  "randomHostPassword" : true,
  "hostGroupSettings" : "[ 'auth/bin' ]",
  "reSignHostSettings" : true,
  "overwriteAllHostSettings" : true,
  "hostGroupName" : "hostGroup1"
}

```

3.15.9. Get Host Groups by name

```
GET /v1/domains/{domainId}/hostGroups/name/{hostGroupName}
```

Description

Returns information for host groups identified by host group name

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain that contains the host groups	integer (int64)
Path	hostGroupName <i>required</i>	name of the host group about which information is requested	string

Responses

HTTP Code	Description	Schema
200	Success	Model for HostGroup
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hostGroups/name/string
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "description" : "Description item",
  "clusterType" : "NONE",
  "fsPemEnabled" : true,
  "db2PemEnabled" : false,
  "idsPemEnabled" : true,
  "pkcs11PemEnabled" : true,
  "kmipPemEnabled" : true,
  "systemLockEnabled" : true,
  "coreGuardLockEnabled" : false,
  "offlinePolicyEnabled" : true,
  "verifyPolicyEnabled" : false,
  "rekeyCpuUsagePercentage" : 5,
  "rekeyCPUCap" : false,
  "rekeyQosSchedule" :
  "{ 'SUN': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'MON':
  [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'TUE': [ { 'start
  Time': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'WED': [ { 'startTime': { '
  hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'THU': [ { 'startTime': { 'hour': 0,
  'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'FRI': [ { 'startTime': { 'hour': 0, 'min': 0
  }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'SAT': [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTim
  e': { 'hour': 23, 'min': 59 } } ] } ",
  "password" : "MySecret1",
  "randomHostPassword" : true,
  "hostGroupSettings" : "[ 'auth/bin' ]",
  "reSignHostSettings" : true,
  "overwriteAllHostSettings" : true,
  "hostGroupName" : "hostGroup1"
}
```

3.15.10. Get Host Groups by ID

```
GET /v1/domains/{domainId}/hostGroups/{hostGroupId}
```

Description

Returns a list of host groups

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain that contains the host groups	integer (int64)
Path	hostGroupId <i>required</i>	name of the host group about which information is requested	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	Model for HostGroup
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hostGroups/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "description" : "Description item",
  "clusterType" : "NONE",
  "fsPemEnabled" : true,
  "db2PemEnabled" : false,
  "idsPemEnabled" : true,
  "pkcs11PemEnabled" : true,
  "kmipPemEnabled" : true,
  "systemLockEnabled" : true,
  "coreGuardLockEnabled" : false,
  "offlinePolicyEnabled" : true,
  "verifyPolicyEnabled" : false,
  "rekeyCpuUsagePercentage" : 5,
  "rekeyCPUCap" : false,
  "rekeyQosSchedule" :
  "{ 'SUN': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'MON':
  [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'TUE': [ { 'start
  Time': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'WED': [ { 'startTime': { '
  hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'THU': [ { 'startTime': { 'hour': 0,
  'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'FRI': [ { 'startTime': { 'hour': 0, 'min': 0
  }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'SAT': [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTim
  e': { 'hour': 23, 'min': 59 } } ] }",
  "password" : "MySecret1",
  "randomHostPassword" : true,
  "hostGroupSettings" : "[ 'auth/bin' ]",
  "reSignHostSettings" : true,
  "overwriteAllHostSettings" : true,
  "hostGroupName" : "hostGroup1"
}
```


3.15.11. Update a host group

```
PUT /v1/domains/{domainId}/hostGroups/{hostGroupId}
```

Description

Update a host group

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain that contains the host group to be updated	integer (int64)
Path	hostGroupId <i>required</i>	ID of the host group to be updated	integer (int64)
Body	body <i>required</i>	HostGroup information to update	Model for HostGroup

Responses

HTTP Code	Description	Schema
200	Success	Model for HostGroup
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hostGroups/0
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "description" : "Description item",
  "clusterType" : "NONE",
  "fsPemEnabled" : true,
  "db2PemEnabled" : false,
  "idsPemEnabled" : true,
  "pkcs11PemEnabled" : true,
  "kmipPemEnabled" : true,
  "systemLockEnabled" : true,
  "coreGuardLockEnabled" : false,
  "offlinePolicyEnabled" : true,
  "verifyPolicyEnabled" : false,
  "rekeyCpuUsagePercentage" : 5,
  "rekeyCPUCap" : false,
  "rekeyQosSchedule" :
  "{ 'SUN': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'MON':
  [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'TUE': [ { 'start
  Time': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'WED': [ { 'startTime': { '
  hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'THU': [ { 'startTime': { 'hour': 0,
  'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'FRI': [ { 'startTime': { 'hour': 0, 'min': 0 }
  , 'endTime': { 'hour': 23, 'min': 59 } } ], 'SAT': [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTim
  e': { 'hour': 23, 'min': 59 } } ] }",
  "password" : "MySecret1",
  "randomHostPassword" : true,
  "hostGroupSettings" : "[ 'auth/bin' ]",
  "reSignHostSettings" : true,
  "overwriteAllHostSettings" : true,
  "hostGroupName" : "hostGroup1"
}
```

Example HTTP response

Response 200

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "description" : "Description item",
  "clusterType" : "NONE",
  "fsPemEnabled" : true,
  "db2PemEnabled" : false,
  "idsPemEnabled" : true,
  "pkcs11PemEnabled" : true,
  "kmipPemEnabled" : true,
  "systemLockEnabled" : true,
  "coreGuardLockEnabled" : false,
  "offlinePolicyEnabled" : true,
  "verifyPolicyEnabled" : false,
  "rekeyCpuUsagePercentage" : 5,
  "rekeyCPUCap" : false,
  "rekeyQosSchedule" :
  "{ 'SUN': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'MON':
  [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'TUE': [ { 'start
  Time': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'WED': [ { 'startTime': { '
  hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'THU': [ { 'startTime': { 'hour': 0,
  'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'FRI': [ { 'startTime': { 'hour': 0, 'min': 0 }
  , 'endTime': { 'hour': 23, 'min': 59 } } ], 'SAT': [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTim
  e': { 'hour': 23, 'min': 59 } } ] }",
  "password" : "MySecret1",
  "randomHostPassword" : true,
  "hostGroupSettings" : "[ 'auth/bin' ]",
  "reSignHostSettings" : true,
  "overwriteAllHostSettings" : true,
  "hostGroupName" : "hostGroup1"
}

```

3.16. Hosts

3.16.1. Create a Host

```
POST /v1/domains/{domainId}/hosts
```

Description

Add a host to this DSM. After adding, you must register the host with the DSM. Registering is performed on the host system

Parameters

Type	Name	Description	Schema
Path	<code>domainId</code> <i>required</i>	ID of the domain to which the host belongs	integer (int64)
Body	<code>body</code> <i>required</i>	Host information to create hosts in domain	HostCreationInfo

Responses

HTTP Code	Description	Schema
200	Success	HostInfo
400	Invalid JSON input	400 Response Failure
401	Insufficient Privileges to perform this action	401 Response Failure
403	Forbidden, permission denied	403 Response Failure
409	Object name already in use	409 Response Failure
500	Unexpected server error	500 Response Failure

Consumes

- `application/json`

Produces

- `application/json`

Example HTTP request

Request path

```
/v1/domains/0/hosts
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "hostName" : "host1",
  "description" : "Description item",
  "licenseType" : "PERPETUAL",
  "registrableAgents" : [ "string" ],
  "authentication" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "method" : "string",
    "password" : "MySecret1",
    "regenerate" : true
  },
  "autoAssignsServer" : true,
  "enabled" : true
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "host1",
  "description" : "Description item",
  "os" : "Linux",
  "licenseType" : "PERPETUAL",
  "agents" : "{ 'VTE': { 'version': '6.0.0' } }",
  "shareMode" : "SHARED",
  "configurationPushStatus" : "PENDING",
  "lastSecurityUpdatedAt" : "2018-04-24T18:39:42.662+0000",
  "domainUrl" : "/v1/domains/1000",
  "port" : 8050,
  "sharedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
```

```

    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "authentication" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "method" : "string",
    "password" : "MySecret1",
    "regenerate" : true
  },
  "certificateAlgorithm" : "string",
  "hostSettings" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "keyword" : "authenticator",
    "processPath" : "/usr/sbin/sshd"
  } ],
  "reSignHostSettings" : true,
  "systemLocked" : true,
  "fsAgentLocked" : true,
  "challengeAndResponseEnabled" : true,
  "dockerEnabled" : true,
  "secureStartCapable" : true,
  "allowAdditionalSlots" : true,
  "encryptionKeyProtection" : true,
  "fflEnabled" : true,
  "efficientStorageEnabled" : true,
  "odtenabled" : true,
  "ldtstop" : true,
  "shared" : true
}

```

Response 400

```

{
  "httpStatusCode" : 400,
  "message" : "Client error due to bad input parameters or reaching an
unimplemented endpoint."
}

```

Response 401

```
{
  "httpStatusCode" : 401,
  "message" : "Bad credential or unauthorized operation."
}
```

Response 403

```
{
  "httpStatusCode" : 403,
  "message" : "User does not have sufficient privileges for the operation or
there is a specific limitation on the resource that has been reached."
}
```

Response 409

```
{
  "httpStatusCode" : 409,
  "message" : "Object already in use"
}
```

Response 500

```
{
  "httpStatusCode" : 500,
  "message" : "Server internal error."
}
```

3.16.2. Get Hosts

```
GET /v1/domains/{domainId}/hosts
```

Description

Returns a paginated list of information for all hosts

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	domain ID of the domain to which the host belongs	integer (int64)	
Query	description <i>optional</i>	description of the host	string	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	name <i>optional</i>	name of the host	string	
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of HostInfo
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
404	Report data not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "host1",
    "description" : "Description item",
    "os" : "Linux",
    "licenseType" : "PERPETUAL",
    "agents" : "{ 'VTE': { 'version': '6.0.0' } }",
    "shareMode" : "SHARED",
    "configurationPushStatus" : "PENDING",
    "lastSecurityUpdatedAt" : "2018-04-24T18:39:42.662+0000",
    "domainUrl" : "/v1/domains/1000",
    "shared" : true
  } ]
}
```

3.16.3. Remove host from host group

```
DELETE /v1/domains/{domainId}/hosts/hostGroups/{hostId}
```

Description

Removing a host from a host group does not delete the host; it only removes it from the group

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the host belongs	integer (int64)
Path	hostId <i>required</i>	Host ID of the host	integer (int64)
Body	body <i>required</i>	list of host group names from which to delete the specified host	List of strings

Responses

HTTP Code	Description	Schema
200	Success	Number of deleted items
401	Insufficient Privileges to perform this action	No Content
404	Report data not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/hostGroups/0
```

Request body

```
{  
  "data" : "[ 'name1', 'name2' ]"  
}
```

Example HTTP response

Response 200

```
{  
  "deleted" : 2  
}
```

3.16.4. Push host group settings to a host

```
POST /v1/domains/{domainId}/hosts/hostGroups/{propagateGroupSettings}
```

Description

A host has the option to inherit host group host settings from one of the host groups of which it is a member, use this endpoint to push host group host settings to the host

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the host belongs	integer (int64)
Path	propagateGroupSettings <i>required</i>	If set to true, the complete host group configuration will be applied to this host including Host Settings, File System Agent Lock, System Lock, Registration Allowed and Communication Enabled	boolean
Body	body <i>required</i>	input list of hostgroup names to add to host	HostToHostGroupInfo

Responses

HTTP Code	Description	Schema
200	Success	HostInfo
401	Insufficient Privileges to perform this action	No Content
404	Report data not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/hostGroups/true
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "hostName" : "host1",
  "hostGroupNames" : "['hostgroup1','hostgroup2']"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "host1",
  "description" : "Description item",
  "os" : "Linux",
  "licenseType" : "PERPETUAL",
  "agents" : "{ 'VTE': { 'version': '6.0.0' } }",
  "shareMode" : "SHARED",
  "configurationPushStatus" : "PENDING",
  "lastSecurityUpdatedAt" : "2018-04-24T18:39:42.662+0000",
  "domainUrl" : "/v1/domains/1000",
  "port" : 8050,
  "sharedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "authentication" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",

```

```
    "method" : "string",
    "password" : "MySecret1",
    "regenerate" : true
  },
  "certificateAlgorithm" : "string",
  "hostSettings" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "keyword" : "authenticator",
    "processPath" : "/usr/sbin/sshd"
  } ],
  "reSignHostSettings" : true,
  "systemLocked" : true,
  "fsAgentLocked" : true,
  "challengeAndResponseEnabled" : true,
  "dockerEnabled" : true,
  "secureStartCapable" : true,
  "allowAdditionalSlots" : true,
  "encryptionKeyProtection" : true,
  "fflEnabled" : true,
  "efficientStorageEnabled" : true,
  "odtenabled" : true,
  "ldtstop" : true,
  "shared" : true
}
```

3.16.5. Get host information by hostname

```
GET /v1/domains/{domainId}/hosts/name/{hostName}
```

Description

Returns information for a specific host

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the host belongs	integer (int64)
Path	hostName <i>required</i>	name of the host	string

Responses

HTTP Code	Description	Schema
200	Success	HostInfo
401	Insufficient Privileges to perform this action	No Content
404	Report data not found	404 Response Failure
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/name/string
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "host1",
  "description" : "Description item",
  "os" : "Linux",
  "licenseType" : "PERPETUAL",
  "agents" : "{ 'VTE': { 'version': '6.0.0' } }",
  "shareMode" : "SHARED",
  "configurationPushStatus" : "PENDING",
  "lastSecurityUpdatedAt" : "2018-04-24T18:39:42.662+0000",
  "domainUrl" : "/v1/domains/1000",
  "port" : 8050,
  "sharedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "authentication" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "method" : "string",
    "password" : "MySecret1",
    "regenerate" : true
  },
  "certificateAlgorithm" : "string",
  "hostSettings" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "keyword" : "authenticator",
    "processPath" : "/usr/sbin/sshd"
  } ],
}
```



```
"reSignHostSettings" : true,  
"systemLocked" : true,  
"fsAgentLocked" : true,  
"challengeAndResponseEnabled" : true,  
"dockerEnabled" : true,  
"secureStartCapable" : true,  
"allowAdditionalSlots" : true,  
"encryptionKeyProtection" : true,  
"fflEnabled" : true,  
"efficientStorageEnabled" : true,  
"odtenabled" : true,  
"ldtstop" : true,  
"shared" : true  
}
```

Response 404

```
{  
  "httpStatusCode" : 404,  
  "message" : "Resource not found."  
}
```

3.16.6. Get host information by ID

```
GET /v1/domains/{domainId}/hosts/{hostId}
```

Description

Returns information for a specific host

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the host belongs	integer (int64)
Path	hostId <i>required</i>	ID of the domain to which the host belongs	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	HostInfo
401	Insufficient Privileges to perform this action	No Content
404	Report data not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "host1",
  "description" : "Description item",
  "os" : "Linux",
  "licenseType" : "PERPETUAL",
  "agents" : "{ 'VTE': { 'version': '6.0.0' } }",
  "shareMode" : "SHARED",
  "configurationPushStatus" : "PENDING",
  "lastSecurityUpdatedAt" : "2018-04-24T18:39:42.662+0000",
  "domainUrl" : "/v1/domains/1000",
  "port" : 8050,
  "sharedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "authentication" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "method" : "string",
    "password" : "MySecret1",
    "regenerate" : true
  },
  "certificateAlgorithm" : "string",
  "hostSettings" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "keyword" : "authenticator",
    "processPath" : "/usr/sbin/sshd"
  } ],
}
```

```
"reSignHostSettings" : true,  
"systemLocked" : true,  
"fsAgentLocked" : true,  
"challengeAndResponseEnabled" : true,  
"dockerEnabled" : true,  
"secureStartCapable" : true,  
"allowAdditionalSlots" : true,  
"encryptionKeyProtection" : true,  
"fflEnabled" : true,  
"efficientStorageEnabled" : true,  
"odtenabled" : true,  
"ldtstop" : true,  
"shared" : true  
}
```

3.16.7. Update a host

```
PUT /v1/domains/{domainId}/hosts/{hostId}
```

Description

The following host settings can be modified; License Type, FS Agent Lock, Password Creation Method, Description, Communication Port, LDT feature, Docker feature. Use this endpoint to enable (true)/ disable (false) multiple slot creation, which allows a VAE agent to add extra slots and is enabled by default.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the host belongs	integer (int64)
Path	hostId <i>required</i>	ID of the host to update	integer (int64)
Body	body <i>optional</i>	Information to update the host	HostInfo

Responses

HTTP Code	Description	Schema
200	Success	HostInfo
401	Insufficient Privileges to perform this action	No Content
404	Report data not found	No Content
409	Unable to complete request because requested feature(s) is not supported in the current state.	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "host1",
  "description" : "Description item",
  "os" : "Linux",
  "licenseType" : "PERPETUAL",
  "agents" : "{ 'VTE': { 'version': '6.0.0' } }",
  "shareMode" : "SHARED",
  "configurationPushStatus" : "PENDING",
  "lastSecurityUpdatedAt" : "2018-04-24T18:39:42.662+0000",
  "domainUrl" : "/v1/domains/1000",
  "port" : 8050,
  "sharedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "authentication" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "method" : "string",
    "password" : "MySecret1",
    "regenerate" : true
  },
  "certificateAlgorithm" : "string",
  "hostSettings" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "keyword" : "authenticator",
    "processPath" : "/usr/sbin/sshd"
  } ],
  "reSignHostSettings" : true,
  "systemLocked" : true,
}
```

```
"fsAgentLocked" : true,
"challengeAndResponseEnabled" : true,
"dockerEnabled" : true,
"secureStartCapable" : true,
"allowAdditionalSlots" : true,
"encryptionKeyProtection" : true,
"fflEnabled" : true,
"efficientStorageEnabled" : true,
"odtenabled" : true,
"ldtstop" : true,
"shared" : true
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "host1",
  "description" : "Description item",
  "os" : "Linux",
  "licenseType" : "PERPETUAL",
  "agents" : "{ 'VTE': { 'version': '6.0.0' } }",
  "shareMode" : "SHARED",
  "configurationPushStatus" : "PENDING",
  "lastSecurityUpdatedAt" : "2018-04-24T18:39:42.662+0000",
  "domainUrl" : "/v1/domains/1000",
  "port" : 8050,
  "sharedDomains" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "domain1",
    "organization" : "Acme Inc.",
    "description" : "Description item",
    "helpDeskInfo" : "Jack Doe",
    "kmipEnabled" : true,
    "fingerprintRegistrationDisabled" : true
  } ],
  "authentication" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "method" : "string",
    "password" : "MySecret1",
    "regenerate" : true
  },
  "certificateAlgorithm" : "string",
  "hostSettings" : [ {
    "id" : 1000,
```

```
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "keyword" : "authenticator",
    "processPath" : "/usr/sbin/sshd"
  } ],
  "reSignHostSettings" : true,
  "systemLocked" : true,
  "fsAgentLocked" : true,
  "challengeAndResponseEnabled" : true,
  "dockerEnabled" : true,
  "secureStartCapable" : true,
  "allowAdditionalSlots" : true,
  "encryptionKeyProtection" : true,
  "fflEnabled" : true,
  "efficientStorageEnabled" : true,
  "odtenabled" : true,
  "ldtstop" : true,
  "shared" : true
}
```


3.16.8. Delete a host

```
DELETE /v1/domains/{domainId}/hosts/{hostId}
```

Description

Hosts can be deleted only after all deleting policies, GuardPoints, and keys that apply to the host(s) to be deleted. One-way communication hosts are deleted when they receive the next status push from the DSM,

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the host belongs	integer (int64)
Path	hostId <i>required</i>	ID of the host to delete	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
404	Report data not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0
```

3.16.9. Force delete a host

```
DELETE /v1/domains/{domainId}/hosts/{hostId}/force
```

Description

Forces the deletion of a host and all GuardPoints within the host, can be used when communication with the host is lost for both one-way or two-way communication.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the host belongs	integer (int64)
Path	hostId <i>required</i>	ID of the host to delete	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
404	Report data not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0/force
```

3.16.10. Share host with another domain

```
PUT /v1/domains/{domainId}/hosts/{hostId}/sharing/{sharedDomainId}
```

Description

Host sharing allows a remote DSM Security Administrators to administer GuardPoints on the local host, this only applies to global domains NOT restricted domains.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the host belongs	integer (int64)
Path	hostId <i>required</i>	host ID of the host to share	integer (int64)
Path	sharedDomainId <i>required</i>	ID of the domain with which to share the host	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
404	Report data not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0/sharing/0
```

3.16.11. Unshare host with domain

```
DELETE /v1/domains/{domainId}/hosts/{hostId}/sharing/{sharedDomainId}
```

Description

Removes host sharing and returns GuardPoint management to the domain in which the host was configured

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the host belongs	integer (int64)
Path	hostId <i>required</i>	host ID of the host to share	integer (int64)
Path	sharedDomainId <i>required</i>	ID of the domain with which to unshare the host	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
404	Report data not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0/sharing/0
```


3.16.12. Get list of host groups to which the host belongs

```
GET /v1/domains/{domainId}/hosts/{hostId}/{memberOf}
```

Description

If `memberOf` is true, it returns host groups of which the host is a member, if `memberOf` is false, it returns host groups of which the host is not a member

Parameters

Type	Name	Description	Schema	Default
Path	<code>domainId</code> <i>required</i>	ID of the domain to which the host belongs	integer (int64)	
Path	<code>hostId</code> <i>required</i>	host ID	integer (int64)	
Path	<code>memberOf</code> <i>required</i>	host group membership information	boolean	
Query	<code>limit</code> <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	<code>offset</code> <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	<code>order</code> <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	<code>sort</code> <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of HostGroupInfo
401	Insufficient Privileges to perform this action	No Content
404	Report data not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0/true
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "domainId" : 1000,
    "description" : "Description item",
    "clusterType" : "NONE",
    "fsPemEnabled" : true,
    "db2PemEnabled" : false,
    "idsPemEnabled" : true,
    "pkcs11PemEnabled" : true,
    "kmipPemEnabled" : true,
    "systemLockEnabled" : true,
    "coreGuardLockEnabled" : false,
    "offlinePolicyEnabled" : true,
    "verifyPolicyEnabled" : false,
    "rekeyCpuUsagePercentage" : 5,
    "rekeyCPUCap" : false,
    "rekeyQosSchedule" :
    "{ 'SUN': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'MON':
    [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'TUE': [ { 'start
    Time': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'WED': [ { 'startTime': { '
    hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'THU': [ { 'startTime': { 'hour': 0,
    'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } } ], 'FRI': [ { 'startTime': { 'hour': 0, 'min': 0 }
    , 'endTime': { 'hour': 23, 'min': 59 } } ], 'SAT': [ { 'startTime': { 'hour': 0, 'min': 0 }, 'endTim
    e': { 'hour': 23, 'min': 59 } } ] }",
    "password" : "MySecret1",
    "randomHostPassword" : true,
    "hostGroupSettings" : "[ 'auth/bin' ]",
    "reSignHostSettings" : true,
    "overwriteAllHostSettings" : true,
    "hostGroupName" : "hostGroup1"
  } ]
}
```

3.16.13. Get number of hosts in host group

```
GET /v1/domains/{domainId}/hosts/{hostId}/{memberOf}/count
```

Description

If `memberOf` is true, it returns a count of host groups of which the host is a member, if `memberOf` is false, it returns a count of host groups of which the host is not a member

Parameters

Type	Name	Description	Schema	Default
Path	<code>domainId</code> <i>required</i>	ID of the domain to which the host belongs	integer (int64)	
Path	<code>hostId</code> <i>required</i>	host ID	integer (int64)	
Path	<code>memberOf</code> <i>required</i>	host group membership information	boolean	
Query	<code>limit</code> <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	<code>offset</code> <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	<code>order</code> <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	<code>sort</code> <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	Number of count items
401	Insufficient Privileges to perform this action	No Content
404	Report data not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/0/true/count
```

Example HTTP response

Response 200

```
{  
  "count" : 1  
}
```

3.16.14. Get Hosts

```
GET /v1/domains/{domainId}/hosts/{keyword}
```

Description

Returns a filtered list of hosts based on the keyword used; 'name', 'agent type', or both

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	domain ID of the domain to which the host belongs	integer (int64)	
Path	keyword <i>required</i>	use keyword name or agentType, else all hosts are returned	enum (all, name, agentType)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of HostInfo
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
404	Report data not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/hosts/string
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "host1",
    "description" : "Description item",
    "os" : "Linux",
    "licenseType" : "PERPETUAL",
    "agents" : "{ 'VTE': { 'version': '6.0.0' } }",
    "shareMode" : "SHARED",
    "configurationPushStatus" : "PENDING",
    "lastSecurityUpdatedAt" : "2018-04-24T18:39:42.662+0000",
    "domainUrl" : "/v1/domains/1000",
    "shared" : true
  } ]
}
```

3.17. Identities

3.17.1. Create Identity

```
POST /v1/domains/{domainId}/identities
```

Description

Create and add an identity

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Body	body <i>required</i>	Identity creation information	IdentityCreationInfo

Responses

HTTP Code	Description	Schema
200	successful operation	IdentityInfo
201	Success, object or resource created	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
409	Object name already in use	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/identities
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "description" : "Description item",
  "name" : "Name",
  "password" : "MySecret1"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "description" : "Description item",
  "name" : "Name",
  "password" : "MySecret1"
}
```


3.17.2. Get Identities by filter

```
GET /v1/domains/{domainId}/identities
```

Description

Returns a paginated list of information for all identities

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of IdentityInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/identities
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "description" : "Description item",
    "name" : "Name",
    "password" : "MySecret1"
  } ]
}
```

3.17.3. Get Identity by ID

```
GET /v1/domains/{domainId}/identities/{identityId}
```

Description

Returns client identity information by its ID

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	identityId <i>required</i>	Identity id	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	IdentityInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/identities/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "description" : "Description item",
  "name" : "Name",
  "password" : "MySecret1"
}
```

3.17.4. Update identity

```
PUT /v1/domains/{domainId}/identities/{identityId}
```

Description

Update identity by ID. Note that only the description can be updated. To update an identity password, see [Update Identity Password](#).

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	identityId <i>required</i>	Identity id	integer (int64)
Body	body <i>required</i>	Identity creation information	IdentityUpdateInfo

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid JSON input	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/identities/0
```

Request body

```
{  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "description" : "Description item"  
}
```

3.17.5. Delete an identity by ID

```
DELETE /v1/domains/{domainId}/identities/{identityId}
```

Description

Delete identity by ID

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	identityId <i>required</i>	Identity id	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/identities/0
```


3.17.6. Set password for identity

```
PUT /v1/domains/{domainId}/identities/{identityId}/setpassword
```

Description

Set or update a password for an identity

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	identityId <i>required</i>	Identity id	integer (int64)
Body	body <i>required</i>	Password information	IdentityPasswordUpdateInfo

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid JSON input	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/identities/0/setpassword
```

Request body

```
{  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "newPassword" : "MySecret1"  
}
```

3.18. Import Keys

3.18.1. Import Keys

```
PUT /v1/domains/{domainId}/keys/import
```

Description

If the key file being imported contains keys with the same names as existing keys, new key names will be generated.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
FormData	file <i>required</i>	File to upload	file

Responses

HTTP Code	Description	Schema
200	Success	Number of imported items
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
409	Unable to complete request because requested feature(s) is not supported in the current state.	No Content
500	Unexpected server error	No Content

Consumes

- application/octet-stream

Example HTTP request

Request path

```
/v1/domains/0/keys/import
```

Request formData

```
"file"
```

Example HTTP response

Response 200

```
{  
  "imported" : 1  
}
```

3.19. KMIP

3.19.1. Delete KMIP objects

```
DELETE /v1/domains/{domainId}/kmip
```

Description

Delete KMIP objects

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain id of KMIP object	integer (int64)
Body	body <i>required</i>	KMIP object UUIDs	Item UUID list

Responses

HTTP Code	Description	Schema
200	Success	Number of deleted items
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
409	Object name already in use	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/knip
```

Request body

```
{  
  "data" : "[ 'f0a53e42-24b3-8c7f-abc7-ae7c472470c1', 'da8ed8e3-215c-4456-b5ce-c74bf66ff329' ]"  
}
```

Example HTTP response

Response 200

```
{  
  "deleted" : 2  
}
```

3.19.2. Get KMIP Objects

```
GET /v1/domains/{domainId}/kmip/objectType/{kmipObjectType}
```

Description

Returns a list of all KMIP objects

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	ID of the domain where the KMIP object is	integer (int64)	
Path	kmipObjectType <i>required</i>	Valid KMIP object type. Permitted values are: SymmetricKey	string	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0

Responses

HTTP Code	Description	Schema
200	Success	K mipObjectInfo
400	Invalid JSON input	400 Response Failure
401	Insufficient Privileges to perform this action	401 Response Failure
403	Forbidden, permission denied	403 Response Failure
409	Object name already in use	409 Response Failure
500	Unexpected server error	500 Response Failure

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/knip/objectType/SymmetricKey
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "attributes" : {
    "string" : "string"
  },
  "uuid" : "string"
}
```

Response 400

```
{
  "httpStatusCode" : 400,
  "message" : "Client error due to bad input parameters or reaching an
unimplemented endpoint."
}
```

Response 401

```
{
  "httpStatusCode" : 401,
  "message" : "Bad credential or unauthorized operation."
}
```

Response 403

```
{
  "httpStatusCode" : 403,
  "message" : "User does not have sufficient privileges for the operation or
there is a specific limitation on the resource that has been reached."
}
```

Response 409


```
{
  "httpStatusCode" : 409,
  "message" : "Object already in use"
}
```

Response 500

```
{
  "httpStatusCode" : 500,
  "message" : "Server internal error."
}
```

3.19.3. Create a KMIP symmetric key

```
POST /v1/domains/{domainId}/kmip/symmetrickey
```

Description

Create a KMIP symmetric key for a KMIP-enabled domain

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	ID of the domain where the key is to be created	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Body	body <i>required</i>	Information to create the symmetric key in domain	KmicreateSymmetricKeyInfo	

Responses

HTTP Code	Description	Schema
200	successful operation	KmicreateSymmetricKeyInfo
201	Success	No Content
400	Invalid JSON input	400 Response Failure
401	Insufficient Privileges to perform this action	401 Response Failure
403	Forbidden, permission denied	403 Response Failure
409	Object name already in use	409 Response Failure
500	Unexpected server error	500 Response Failure

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/kmip/symmetrickey
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "kmipSymmetricKey",
  "description" : "kmip Symmetric Key Description",
  "kmipSymmetrickeyKeyTypeInfo" : "AES_256",
  "activationTime" : "string",
  "deactivationTime" : "string"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "attributes" : {
    "string" : "string"
  },
  "uuid" : "string"
}
```

Response 400

```
{
  "httpStatusCode" : 400,
  "message" : "Client error due to bad input parameters or reaching an unimplemented endpoint."
}
```

Response 401

```
{
  "httpStatusCode" : 401,
  "message" : "Bad credential or unauthorized operation."
}
```

Response 403

```
{
  "httpStatusCode" : 403,
  "message" : "User does not have sufficient privileges for the operation or
there is a specific limitation on the resource that has been reached."
}
```

Response 409

```
{
  "httpStatusCode" : 409,
  "message" : "Object already in use"
}
```

Response 500

```
{
  "httpStatusCode" : 500,
  "message" : "Server internal error."
}
```

3.19.4. Get KMIP Object

```
GET /v1/domains/{domainId}/kmip/{UUID}
```

Description

Returns information on a specific KMIP object

Parameters

Type	Name	Description	Schema
Path	UUID <i>required</i>	UUID of the KMIP object	string
Path	domainId <i>required</i>	ID of the domain where the KMIP object is	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	KmpObjectInfo
400	Invalid JSON input	400 Response Failure
401	Insufficient Privileges to perform this action	401 Response Failure
403	Forbidden, permission denied	403 Response Failure
409	Object name already in use	409 Response Failure
500	Unexpected server error	500 Response Failure

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/knip/string
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "attributes" : {
    "string" : "string"
  },
  "uuid" : "string"
}
```

Response 400

```
{
  "httpStatusCode" : 400,
  "message" : "Client error due to bad input parameters or reaching an
unimplemented endpoint."
}
```

Response 401

```
{
  "httpStatusCode" : 401,
  "message" : "Bad credential or unauthorized operation."
}
```

Response 403

```
{
  "httpStatusCode" : 403,
  "message" : "User does not have sufficient privileges for the operation or
there is a specific limitation on the resource that has been reached."
}
```

Response 409

```
{
  "httpStatusCode" : 409,
  "message" : "Object already in use"
}
```

Response 500

```
{
  "httpStatusCode" : 500,
  "message" : "Server internal error."
}
```

3.20. KMIP Certs

3.20.1. Upload KMIP certs for KMIP host

```
POST /v1/domains/{domainId}/kmip/hosts/{hostId}/cert
```

Description

Allow to upload KMIP certs

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Path	hostId <i>required</i>	ID of the domain to which the host belongs	integer (int64)
FormData	file <i>required</i>	File to upload	file

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Unexpected payload, wrong format or bad data	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/octet-stream

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/knip/hosts/0/cert
```

Request formData

```
"file"
```

3.21. Key Attributes

3.21.1. Create attribute for a key

```
POST /v1/domains/{domainId}/keys/{keyId}/attributes
```

Description

Create custom attribute definitions for a key.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	keyId <i>required</i>	ID of the key to which the attribute is to be added	integer (int64)
Body	body <i>required</i>	Information to create key attribute	KeyAttributeCreationInfo

Responses

HTTP Code	Description	Schema
200	successful operation	KeyTemplateAttributeInfo
201	Success, object or resource created	No Content
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
409	Object name already in use	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/0/attributes
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "attribute1",
  "value" : "string",
  "description" : "string"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "value" : "123456",
  "description" : "description",
  "type" : "Cached on Host",
  "name" : "keyTemplateAttribute",
  "keyTemplateId" : 2000
}
```

3.21.2. Get list of key attributes

```
GET /v1/domains/{domainId}/keys/{keyId}/attributes
```

Description

Returns a paginated list of all attributes for a key

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)	
Path	keyId <i>required</i>	ID of the key for which the attributed information is returned	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of KeyAttributeInfo
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/0/attributes
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "KeyAttributeName",
    "value" : "Key1",
    "description" : "Description",
    "keyId" : 3000,
    "readOnly" : true
  } ]
}
```

3.21.3. Delete all key attributes

```
DELETE /v1/domains/{domainId}/keys/{keyId}/attributes
```

Description

Deletes all attributes from a key.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	keyId <i>required</i>	ID of the key from which the attributes are to be deleted	integer (int64)
Body	body <i>required</i>	Object ID list	List of longs

Responses

HTTP Code	Description	Schema
200	Success. Return number of deleted items	Number of deleted items
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/0/attributes
```

Request body

```
{  
  "data" : "[ 1000, 1001 ]"  
}
```

Example HTTP response

Response 200

```
{  
  "deleted" : 2  
}
```

3.21.4. Get list of valid keystate values

```
GET
/v1/domains/{domainId}/keys/{keyId}/attributes/nextValidKeyStatesOf/{keyStateValue}
```

Description

Returns a valid keystate values for an existing keystate

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	keyId <i>required</i>	ID of the key for which the attribute valid values to be retrieved	integer (int64)
Path	keyStateValue <i>required</i>	Valid key state value. Permitted values are: PRE_ACTIVATION, ACTIVE, SUSPENDED, DEACTIVATED, COMPROMISED and DESTROYED	string

Responses

HTTP Code	Description	Schema
200	Success	List of KeyAttributeInfo
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/0/attributes/nextValidKeyStatesOf/PRE_ACTIVATION|ACTIVE|SUSPENDED|DEACTIVATED|COMPROMISED|DESTROYED
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "KeyAttributeName",
    "value" : "Key1",
    "description" : "Description",
    "keyId" : 3000,
    "readOnly" : true
  } ]
}
```

3.21.5. Get key attribute information

```
GET /v1/domains/{domainId}/keys/{keyId}/attributes/{attributeId}
```

Description

Returns information for a specific key attribute.

Parameters

Type	Name	Description	Schema
Path	attributeId <i>required</i>	ID of the attribute for which information is requested	integer (int64)
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	keyId <i>required</i>	ID of the key for which attribute information is requested	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	KeyAttributeInfo
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/0/attributes/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "KeyAttributeName",
  "value" : "Key1",
  "description" : "Description",
  "keyId" : 3000,
  "readOnly" : true
}
```

3.21.6. Update a key attribute

```
PUT /v1/domains/{domainId}/keys/{keyId}/attributes/{attributeId}
```

Description

Modify or delete existing attributes of a key.

Parameters

Type	Name	Description	Schema
Path	attributeId <i>required</i>	ID of the attribute to be updated	integer (int64)
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	keyId <i>required</i>	ID of the key for which the attribute is to be updated	integer (int64)
Body	body <i>required</i>	Information to update key attribute	KeyAttributeUpdateInfo

Responses

HTTP Code	Description	Schema
200	Success	KeyAttributeInfo
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/0/attributes/0
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "value" : "123456",
  "description" : "attribute2"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "KeyAttributeName",
  "value" : "Key1",
  "description" : "Description",
  "keyId" : 3000,
  "readOnly" : true
}
```

3.21.7. Delete key attribute

```
DELETE /v1/domains/{domainId}/keys/{keyId}/attributes/{attributeId}
```

Description

Deletes a specific key attribute from a key.

Parameters

Type	Name	Description	Schema
Path	attributeId <i>required</i>	ID of the attribute to be deleted	integer (int64)
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	keyId <i>required</i>	ID of the key from which the attribute is to be deleted	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success. Return number of deleted items	Number of deleted item
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/1020/attributes/2024
```

Example HTTP response

Response 200

```
{  
  "deleted" : 1  
}
```

3.21.8. Update a value of keystate attribute

```
PUT /v1/domains/{domainId}/keys/{keyId}/attributes/{keyStateName}
```

Description

Modify or delete existing attributes of a key.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	keyId <i>required</i>	ID of the key for which the attribute is to be updated	integer (int64)
Path	keyStateName <i>required</i>	Name of the attribute to be updated. Permitted value: x-key-state	string
Body	body <i>required</i>	Information to update key state attribute	KeyStateUpdateInfo

Responses

HTTP Code	Description	Schema
200	Success	KeyAttributeInfo
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/0/attributes/string
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "value" : "PRE_ACTIVATION|ACTIVE|SUSPENDED|DEACTIVATED|COMPROMISED|DESTROYED"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "KeyAttributeName",
  "value" : "Key1",
  "description" : "Description",
  "keyId" : 3000,
  "readOnly" : true
}
```

3.22. Key Groups

3.22.1. Create Key Group

```
POST /v1/domains/{domainId}/keyGroups
```

Description

Create a key group

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Body	body <i>required</i>	New key group payload. To specify assigned keys, use only key 'id' in payload. For example "asymmetricKeys":[{"id":21},{"id":422}], "symmetricKeys":[{"id":3},{"id":64}]	KeyGroupInfo

Responses

HTTP Code	Description	Schema
200	successful operation	KeyGroupInfo
201	Success, object or resource created	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
409	Object name already in use	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keyGroups
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "Name",
  "description" : "Description",
  "asymmetricKeys" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "name" : "KeyName",
    "description" : "Description",
    "algorithm" : "string",
    "encryptionMode" : "CBC",
    "keyUsageType" : "string",
    "state" : "ACTIVE",
    "creationTime" : "string",
    "expirationTime" : "string",
    "cachedTime" : 60,
    "source" : "From DSM",
    "domainId" : 3001,
    "keyVersion" : 1,
    "keyHash" :
    "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbc8e01dd3afa88cb2c079397ea6e3c65987703a
    91120617b4ec8dd81",
    "keyVersionLifeSpan" : 2,
    "numberOfPolicies" : 0,
    "alignUnit" : "D",
    "alignedCachedTime" : 0,
    "publicKey" : "-----BEGIN PUBLIC KEY-----
    \nMIGfDE0GCSqGSIB3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
    FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMMSGkVb1/\n
    n3j+skZ6UtW+5u09lHNSj6tQ5ls1SPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n
    -----END PUBLIC KEY-----",
    "publicKeyFormat" : "string",
    "alignedKeyVersionLifeSpan" : 0
  } ],
  "symmetricKeys" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "name" : "KeyName",
```

```

    "description" : "Description",
    "algorithm" : "string",
    "encryptionMode" : "CBC",
    "keyUsageType" : "string",
    "state" : "ACTIVE",
    "creationTime" : "string",
    "expirationTime" : "string",
    "cachedTime" : 60,
    "source" : "From DSM",
    "domainId" : 3001,
    "keyVersion" : 1,
    "keyHash" :
    "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
    91120617b4ec8dd81",
    "keyVersionLifeSpan" : 2,
    "numberOfPolicies" : 0,
    "alignUnit" : "D",
    "alignedCachedTime" : 0,
    "publicKey" : "-----BEGIN PUBLIC KEY-----
    \nMIGfDE0GCSqGSIB3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
    FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjdOL5UlsuusFncCzWBW3RKNUSESsmQRMMSGkVb1/\n3j
    +skZ6UtW+5u09lHNsj6tQ51s1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
    KEY-----",
    "publicKeyFormat" : "string",
    "alignedKeyVersionLifeSpan" : 0
  } ],
  "identities" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "description" : "Description item",
    "name" : "Name",
    "password" : "MySecret1"
  } ]
}

```

Example HTTP response

Response 200

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "Name",
  "description" : "Description",
  "asymmetricKeys" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "name" : "KeyName",
    "description" : "Description",

```

```

    "algorithm" : "string",
    "encryptionMode" : "CBC",
    "keyUsageType" : "string",
    "state" : "ACTIVE",
    "creationTime" : "string",
    "expirationTime" : "string",
    "cachedTime" : 60,
    "source" : "From DSM",
    "domainId" : 3001,
    "keyVersion" : 1,
    "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
    "keyVersionLifeSpan" : 2,
    "numberOfPolicies" : 0,
    "alignUnit" : "D",
    "alignedCachedTime" : 0,
    "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGS1b3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSESmsgkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51s1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
    "publicKeyFormat" : "string",
    "alignedKeyVersionLifeSpan" : 0
} ],
"symmetricKeys" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "name" : "KeyName",
    "description" : "Description",
    "algorithm" : "string",
    "encryptionMode" : "CBC",
    "keyUsageType" : "string",
    "state" : "ACTIVE",
    "creationTime" : "string",
    "expirationTime" : "string",
    "cachedTime" : 60,
    "source" : "From DSM",
    "domainId" : 3001,
    "keyVersion" : 1,
    "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
    "keyVersionLifeSpan" : 2,
    "numberOfPolicies" : 0,
    "alignUnit" : "D",
    "alignedCachedTime" : 0,
    "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGS1b3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSESmsgkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51s1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
    "publicKeyFormat" : "string",
    "alignedKeyVersionLifeSpan" : 0
} ],

```

```
"identities" : [ {  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "description" : "Description item",  
  "name" : "Name",  
  "password" : "MySecret1"  
} ]  
}
```

3.22.2. Get Key Groups by filter

```
GET /v1/domains/{domainId}/keyGroups
```

Description

Returns a paginated list of information for all key groups.

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of KeyGroupInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keyGroups
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "Name",
    "description" : "Description",
    "asymmetricKeys" : [ {
      "id" : 1000,
      "url" : "/v1/admins/1000",
      "createdAt" : "string",
      "updatedAt" : "string",
      "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
      "name" : "KeyName",
      "description" : "Description",
      "algorithm" : "string",
      "encryptionMode" : "CBC",
      "keyUsageType" : "string",
      "state" : "ACTIVE",
      "creationTime" : "string",
      "expirationTime" : "string",
      "cachedTime" : 60,
      "source" : "From DSM",
      "domainId" : 3001,
      "keyVersion" : 1,
      "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
      "keyVersionLifeSpan" : 2,
      "numberOfPolicies" : 0,
      "alignUnit" : "D",
      "alignedCachedTime" : 0,
      "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGS1b3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMgkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51s1SPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
      "publicKeyFormat" : "string",
      "alignedKeyVersionLifeSpan" : 0
    } ],
  }
```



```

"symmetricKeys" : [ {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjdOL5UlsuusFncCzWBW3RKNUSesmQRMSGkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51slSPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
} ],
"identities" : [ {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "description" : "Description item",
  "name" : "Name",
  "password" : "MySecret1"
} ]
} ]
}

```

3.22.3. Get Key Group by ID

```
GET /v1/domains/{domainId}/keyGroups/{keyGroupId}
```

Description

Returns key group information using the key group ID

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	keyGroupId <i>required</i>	Key group id	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	KeyGroupInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keyGroups/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "Name",
  "description" : "Description",
  "asymmetricKeys" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "name" : "KeyName",
    "description" : "Description",
    "algorithm" : "string",
    "encryptionMode" : "CBC",
    "keyUsageType" : "string",
    "state" : "ACTIVE",
    "creationTime" : "string",
    "expirationTime" : "string",
    "cachedTime" : 60,
    "source" : "From DSM",
    "domainId" : 3001,
    "keyVersion" : 1,
    "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
    "keyVersionLifeSpan" : 2,
    "numberOfPolicies" : 0,
    "alignUnit" : "D",
    "alignedCachedTime" : 0,
    "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGS1b3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSESmsgkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51s1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
    "publicKeyFormat" : "string",
    "alignedKeyVersionLifeSpan" : 0
  } ],
  "symmetricKeys" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
```

```

"uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
"name" : "KeyName",
"description" : "Description",
"algorithm" : "string",
"encryptionMode" : "CBC",
"keyUsageType" : "string",
"state" : "ACTIVE",
"creationTime" : "string",
"expirationTime" : "string",
"cachedTime" : 60,
"source" : "From DSM",
"domainId" : 3001,
"keyVersion" : 1,
"keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
"keyVersionLifeSpan" : 2,
"numberOfPolicies" : 0,
"alignUnit" : "D",
"alignedCachedTime" : 0,
"publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGSIB3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjdOL5UlsuusFncCzWBW3RKNUSesmQRMMSGkVb1/\n3j
+skZ6UtW+5u09lHNsj6tQ51s1SPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
"publicKeyFormat" : "string",
"alignedKeyVersionLifeSpan" : 0
} ],
"identities" : [ {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "description" : "Description item",
  "name" : "Name",
  "password" : "MySecret1"
} ]
}

```

3.22.4. Update a key group by ID

```
PUT /v1/domains/{domainId}/keyGroups/{keyGroupId}
```

Description

Update a key group using its ID. Note that only the description can be updated. To replace or change keys in a key group, see [Add Keys to Key Group](#).

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	keyGroupId <i>required</i>	Key group id	integer (int64)
Body	body <i>required</i>	Only description can be updated	KeyGroupForUpdateInfo

Responses

HTTP Code	Description	Schema
200	Success	KeyGroupInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keyGroups/0
```

Request body

```
{
  "description" : "Description"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "Name",
  "description" : "Description",
  "asymmetricKeys" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "name" : "KeyName",
    "description" : "Description",
    "algorithm" : "string",
    "encryptionMode" : "CBC",
    "keyUsageType" : "string",
    "state" : "ACTIVE",
    "creationTime" : "string",
    "expirationTime" : "string",
    "cachedTime" : 60,
    "source" : "From DSM",
    "domainId" : 3001,
    "keyVersion" : 1,
    "keyHash" :
    "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
    91120617b4ec8dd81",
    "keyVersionLifeSpan" : 2,
    "numberOfPolicies" : 0,
    "alignUnit" : "D",
    "alignedCachedTime" : 0,
    "publicKey" : "-----BEGIN PUBLIC KEY-----
    \nMIGfDE0GCSqGSiB3DQEBQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
    FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMMSGkVb1/\n
    n3j+skZ6UtW+5u09lHNSj6tQ51slSPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n
    -----END PUBLIC KEY-----",
  } ]
}
```

```

    "publicKeyFormat" : "string",
    "alignedKeyVersionLifeSpan" : 0
  } ],
  "symmetricKeys" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "name" : "KeyName",
    "description" : "Description",
    "algorithm" : "string",
    "encryptionMode" : "CBC",
    "keyUsageType" : "string",
    "state" : "ACTIVE",
    "creationTime" : "string",
    "expirationTime" : "string",
    "cachedTime" : 60,
    "source" : "From DSM",
    "domainId" : 3001,
    "keyVersion" : 1,
    "keyHash" :
    "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
    91120617b4ec8dd81",
    "keyVersionLifeSpan" : 2,
    "numberOfPolicies" : 0,
    "alignUnit" : "D",
    "alignedCachedTime" : 0,
    "publicKey" : "-----BEGIN PUBLIC KEY-----
    \nMIGfDE0GCSqGS1b3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
    FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSemQRMMSGkVb1/\n3j
    +skZ6UtW+5u09lHNSj6tQ5ls1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
    KEY-----",
    "publicKeyFormat" : "string",
    "alignedKeyVersionLifeSpan" : 0
  } ],
  "identities" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "description" : "Description item",
    "name" : "Name",
    "password" : "MySecret1"
  } ]
}

```

3.22.5. Delete a key group by ID

```
DELETE /v1/domains/{domainId}/keyGroups/{keyGroupId}
```

Description

Delete key groups using their ID

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	keyGroupId <i>required</i>	Key group id	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keyGroups/0
```

3.22.6. Add identity(ies) to a group

```
PUT /v1/domains/{domainId}/keyGroups/{keyGroupId}/identities
```

Description

Add identity(ies) to a key group

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	keyGroupId <i>required</i>	Key group id	integer (int64)
Body	body <i>required</i>	Object ID list	List of longs

Responses

HTTP Code	Description	Schema
200	Success	KeyGroupInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keyGroups/0/identities
```

Request body

```
{
  "data" : "[ 1000, 1001 ]"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "Name",
  "description" : "Description",
  "asymmetricKeys" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "name" : "KeyName",
    "description" : "Description",
    "algorithm" : "string",
    "encryptionMode" : "CBC",
    "keyUsageType" : "string",
    "state" : "ACTIVE",
    "creationTime" : "string",
    "expirationTime" : "string",
    "cachedTime" : 60,
    "source" : "From DSM",
    "domainId" : 3001,
    "keyVersion" : 1,
    "keyHash" :
    "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
    91120617b4ec8dd81",
    "keyVersionLifeSpan" : 2,
    "numberOfPolicies" : 0,
    "alignUnit" : "D",
    "alignedCachedTime" : 0,
    "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGSiB3DQEBQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMSGkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51slSPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
  } ]
}
```

```

    "publicKeyFormat" : "string",
    "alignedKeyVersionLifeSpan" : 0
  } ],
  "symmetricKeys" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "name" : "KeyName",
    "description" : "Description",
    "algorithm" : "string",
    "encryptionMode" : "CBC",
    "keyUsageType" : "string",
    "state" : "ACTIVE",
    "creationTime" : "string",
    "expirationTime" : "string",
    "cachedTime" : 60,
    "source" : "From DSM",
    "domainId" : 3001,
    "keyVersion" : 1,
    "keyHash" :
    "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
    91120617b4ec8dd81",
    "keyVersionLifeSpan" : 2,
    "numberOfPolicies" : 0,
    "alignUnit" : "D",
    "alignedCachedTime" : 0,
    "publicKey" : "-----BEGIN PUBLIC KEY-----
    \nMIGfDE0GCSqGS1b3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
    FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjdOL5UlsuusFncCzWBW3RKNUSemQRMMSGkVb1/\n3j
    +skZ6UtW+5u09lHNSj6tQ5ls1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
    KEY-----",
    "publicKeyFormat" : "string",
    "alignedKeyVersionLifeSpan" : 0
  } ],
  "identities" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "description" : "Description item",
    "name" : "Name",
    "password" : "MySecret1"
  } ]
}

```

3.22.7. Remove identity(ies) from a group

```
DELETE /v1/domains/{domainId}/keyGroups/{keyGroupId}/identities
```

Description

Remove identity(ies) from a key group

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	keyGroupId <i>required</i>	Key group id	integer (int64)
Body	body <i>required</i>	List of ids	DeleteIdsFromGroupInfo

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keyGroups/0/identities
```

Request body

```
{  
  "data" : "[ 1000, 1001 ]",  
  "all" : true  
}
```

3.22.8. Add key(s) to a group

```
PUT /v1/domains/{domainId}/keyGroups/{keyGroupId}/keys
```

Description

Add key(s) to a key group

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	keyGroupId <i>required</i>	Key group id	integer (int64)
Body	body <i>required</i>	List of ids	List of longs

Responses

HTTP Code	Description	Schema
200	Success	KeyGroupInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keyGroups/0/keys
```

Request body

```
{  
  "data" : "[ 1000, 1001 ]"  
}
```

Example HTTP response

Response 200

```
{  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "name" : "Name",  
  "description" : "Description",  
  "asymmetricKeys" : [ {  
    "id" : 1000,  
    "url" : "/v1/admins/1000",  
    "createdAt" : "string",  
    "updatedAt" : "string",  
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",  
    "name" : "KeyName",  
    "description" : "Description",  
    "algorithm" : "string",  
    "encryptionMode" : "CBC",  
    "keyUsageType" : "string",  
    "state" : "ACTIVE",  
    "creationTime" : "string",  
    "expirationTime" : "string",  
    "cachedTime" : 60,  
    "source" : "From DSM",  
    "domainId" : 3001,  
    "keyVersion" : 1,  
    "keyHash" :  
    "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a  
    91120617b4ec8dd81",  
    "keyVersionLifeSpan" : 2,  
    "numberOfPolicies" : 0,  
    "alignUnit" : "D",  
    "alignedCachedTime" : 0,  
    "publicKey" : "-----BEGIN PUBLIC KEY-----  
    \nMIGfDE0GCSqGSIB3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n    FpQri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMMSGkVb1/\n    \n3j+skZ6UtW+5u09lHNSj6tQ51slSPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n    \n-----END PUBLIC  
    KEY-----",  
  } ]  
}
```



```

    "publicKeyFormat" : "string",
    "alignedKeyVersionLifeSpan" : 0
  } ],
  "symmetricKeys" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "name" : "KeyName",
    "description" : "Description",
    "algorithm" : "string",
    "encryptionMode" : "CBC",
    "keyUsageType" : "string",
    "state" : "ACTIVE",
    "creationTime" : "string",
    "expirationTime" : "string",
    "cachedTime" : 60,
    "source" : "From DSM",
    "domainId" : 3001,
    "keyVersion" : 1,
    "keyHash" :
    "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
    91120617b4ec8dd81",
    "keyVersionLifeSpan" : 2,
    "numberOfPolicies" : 0,
    "alignUnit" : "D",
    "alignedCachedTime" : 0,
    "publicKey" : "-----BEGIN PUBLIC KEY-----
    \nMIGfDE0GCSqGS1b3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
    FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSemQRMMSGkVb1/\n3j
    +skZ6UtW+5u09lHNSj6tQ5ls1SPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
    KEY-----",
    "publicKeyFormat" : "string",
    "alignedKeyVersionLifeSpan" : 0
  } ],
  "identities" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "description" : "Description item",
    "name" : "Name",
    "password" : "MySecret1"
  } ]
}

```

3.22.9. Remove key(s) from a group

```
DELETE /v1/domains/{domainId}/keyGroups/{keyGroupId}/keys
```

Description

Delete key(s) from a key group. To remove specific keys from a key group, you must provide the IDs of the key to be removed in the input payload. To remove all keys from a key group, the 'all' attribute must be set to true. The 'all' attribute overrides any specific key IDs supplied, and removes all keys from a key group.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	keyGroupId <i>required</i>	Key group id	integer (int64)
Body	body <i>required</i>	List of ids	DeleteIdsFromGroupInfo

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keyGroups/0/keys
```

Request body

```
{  
  "data" : "[ 1000, 1001 ]",  
  "all" : true  
}
```

3.23. Key Template Attributes

3.23.1. Create attribute for key template

```
POST /v1/domains/{domainId}/keys/templates/{templateId}/attributes
```

Description

Create custom attribute definitions for a key template.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	templateId <i>required</i>	ID of the key template	integer (int64)
Body	body <i>required</i>	Information to create key template attribute	KeyTemplateAttributeCreationInfo

Responses

HTTP Code	Description	Schema
200	successful operation	KeyTemplateAttributeInfo
201	Success, object or resource created	No Content
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
409	Object name already in use	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/templates/0/attributes
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "value" : "123456",
  "description" : "description",
  "type" : "Cached on Host",
  "name" : "keyTemplateAttribute"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "value" : "123456",
  "description" : "description",
  "type" : "Cached on Host",
  "name" : "keyTemplateAttribute",
  "keyTemplateId" : 2000
}
```

3.23.2. Get list of key template attributes

```
GET /v1/domains/{domainId}/keys/templates/{templateId}/attributes
```

Description

Returns a paginated list of all attributes for a key template

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	templateId <i>required</i>	ID of the key template	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	List of KeyTemplateInfo
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/templates/0/attributes
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "description" : "Description",
    "algorithm" : "AES256",
    "encryptionMode" : "CBC",
    "expirationTime" : "string",
    "appSpecInfo" : "Encryption",
    "contactInfo" : "Jack Doe",
    "name" : "MyKeyTemplate",
    "keyUsageType" : "string"
  } ]
}
```

3.23.3. Delete all key template attributes

```
DELETE /v1/domains/{domainId}/keys/templates/{templateId}/attributes
```

Description

Deletes all attributes from a key template.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	templateId <i>required</i>	ID of the key template	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success. Return number of deleted items	Number of deleted item
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/templates/0/attributes
```

Example HTTP response

Response 200

```
{  
  "deleted" : 1  
}
```

3.23.4. Get key template attribute information

```
GET /v1/domains/{domainId}/keys/templates/{templateId}/attributes/{attributeId}
```

Description

Returns information for a specific key template attribute.

Parameters

Type	Name	Description	Schema
Path	attributeId <i>required</i>	ID of the key template attribute	integer (int64)
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	templateId <i>required</i>	ID of the key template	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	KeyTemplateAttributeInfo
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/templates/0/attributes/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "value" : "123456",
  "description" : "description",
  "type" : "Cached on Host",
  "name" : "keyTemplateAttribute",
  "keyTemplateId" : 2000
}
```

3.23.5. Update a key template attribute

```
PUT /v1/domains/{domainId}/keys/templates/{templateId}/attributes/{attributeId}
```

Description

Modify or delete existing attributes of a key template. You MUST NOT delete or modify attributes of the templates provided by the DSM.

Parameters

Type	Name	Description	Schema
Path	attributeId <i>required</i>	ID of the key template attribute	integer (int64)
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	templateId <i>required</i>	ID of the key template	integer (int64)
Body	body <i>required</i>	Information to update key template attribute	KeyTemplateAttributeUpdateInfo

Responses

HTTP Code	Description	Schema
200	Success	KeyTemplateAttributeInfo
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/templates/0/attributes/0
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "value" : "123456",
  "description" : "description",
  "type" : "Cached on Host"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "value" : "123456",
  "description" : "description",
  "type" : "Cached on Host",
  "name" : "keyTemplateAttribute",
  "keyTemplateId" : 2000
}
```

3.23.6. Delete key template attribute

```
DELETE
/v1/domains/{domainId}/keys/templates/{templateId}/attributes/{attributeId}
```

Description

Deletes a specific key template attribute from a key template.

Parameters

Type	Name	Description	Schema
Path	attributeId <i>required</i>	ID of the key template attribute	integer (int64)
Path	domainId <i>required</i>	Domain ID to which the user belongs	integer (int64)
Path	templateId <i>required</i>	ID of the key template	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success. Return number of deleted items	Number of deleted item
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/templates/0/attributes/0
```

Example HTTP response

Response 200

```
{  
  "deleted" : 1  
}
```

3.24. Key Templates

3.24.1. Create a key template

```
POST /v1/domains/{domainId}/keys/templates
```

Description

Create a key template with custom attribute definitions.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Body	body <i>required</i>	Key template information payload	KeyTemplateCreationInfo

Responses

HTTP Code	Description	Schema
200	successful operation	Key template
201	Success, object or resource created	No Content
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
409	Object name already in use	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/templates
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "description" : "Description",
  "algorithm" : "AES256",
  "encryptionMode" : "CBC",
  "expirationTime" : "string",
  "appSpecInfo" : "Encryption",
  "contactInfo" : "Jack Doe",
  "name" : "MyKeyTemplate",
  "keyUsageType" : "string"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "description" : "Description",
  "algorithm" : "AES256",
  "encryptionMode" : "CBC",
  "expirationTime" : "string",
  "appSpecInfo" : "Encryption",
  "contactInfo" : "Jack Doe",
  "name" : "MyKeyTemplate",
  "keyUsageType" : "string"
}
```

3.24.2. Get a list of key templates

```
GET /v1/domains/{domainId}/keys/templates
```

Description

Returns a paginated list of all templates of that domain with key template information

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0

Responses

HTTP Code	Description	Schema
200	Success	List of KeyTemplateInfo
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/templates
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "description" : "Description",
    "algorithm" : "AES256",
    "encryptionMode" : "CBC",
    "expirationTime" : "string",
    "appSpecInfo" : "Encryption",
    "contactInfo" : "Jack Doe",
    "name" : "MyKeyTemplate",
    "keyUsageType" : "string"
  } ]
}
```

3.24.3. Delete all key templates

```
DELETE /v1/domains/{domainId}/keys/templates
```

Description

Deletes all key templates from a domain.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Body	body <i>required</i>	Object ID list	List of longs

Responses

HTTP Code	Description	Schema
200	Success. Return number of deleted items	Number of deleted item
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/templates
```

Request body

```
{  
  "data" : "[ 1000, 1001 ]"  
}
```

Example HTTP response

Response 200

```
{  
  "deleted" : 1  
}
```

3.24.4. Get key template

```
GET /v1/domains/{domainId}/keys/templates/{templateId}
```

Description

Returns information for a key template in a domain.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Path	templateId <i>required</i>	Key template ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	Key template
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/templates/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "description" : "Description",
  "algorithm" : "AES256",
  "encryptionMode" : "CBC",
  "expirationTime" : "string",
  "appSpecInfo" : "Encryption",
  "contactInfo" : "Jack Doe",
  "name" : "MyKeyTemplate",
  "keyUsageType" : "string"
}
```

3.24.5. Update a key template

```
PUT /v1/domains/{domainId}/keys/templates/{templateId}
```

Description

Modify or delete existing attributes, or add new attributes to a key template. You **MUST NOT** delete attributes of the templates provided by the DSM.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Path	templateId <i>required</i>	Key template ID	integer (int64)
Body	body <i>required</i>	Key template information payload	KeyTemplateUpdateInfo

Responses

HTTP Code	Description	Schema
200	Success	Key template
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/templates/0
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "description" : "Description",
  "algorithm" : "AES256",
  "encryptionMode" : "CBC",
  "expirationTime" : "string",
  "appSpecInfo" : "Encryption",
  "contactInfo" : "Jack Doe",
  "keyUsageType" : "string"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "description" : "Description",
  "algorithm" : "AES256",
  "encryptionMode" : "CBC",
  "expirationTime" : "string",
  "appSpecInfo" : "Encryption",
  "contactInfo" : "Jack Doe",
  "name" : "MyKeyTemplate",
  "keyUsageType" : "string"
}
```

3.24.6. Delete key template

```
DELETE /v1/domains/{domainId}/keys/templates/{templateId}
```

Description

Deletes a specific key template from a domain.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)
Path	templateId <i>required</i>	Key template ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success. Return number of deleted items	Number of deleted item
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/templates/0
```

Example HTTP response

Response 200

```
{  
  "deleted" : 1  
}
```

3.25. License Management

3.25.1. Get current license information

```
GET /v1/licenses/current
```

Description

Downloads the license information to the current host

Responses

HTTP Code	Description	Schema
200	Success	LicenseInfo
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/licenses/current
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "issuedTo" : "Acme Inc.",
  "keyVaultEnabled" : true,
  "maxDomainsCount" : 0,
  "term" : "{ 'VAE': { 'agentsCount': 150, 'expiresAt': '2022-08-31T07:00:00.000Z' } }",
  "perpetual" : "{ 'VAE': { 'agentsCount': 450 } }",
  "hourly" : "{ 'VAE': { 'agentsCount': 450 } }"
}
```

3.25.2. Upload a license

POST /v1/licenses/uploads

Description

Uploads a license file to the DSM. The license file format must be text. The location header in the response always points to the current license.

Parameters

Type	Name	Description	Schema
FormData	file <i>required</i>	License file to upload	file

Responses

HTTP Code	Description	Schema
200	Success	LicenseInfo
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- text/plain

Produces

- application/json

Example HTTP request

Request path

```
/v1/licenses/uploads
```

Request formData

```
"file"
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "issuedTo" : "Acme Inc.",
  "keyVaultEnabled" : true,
  "maxDomainsCount" : 0,
  "term" : "{ 'VAE': { 'agentsCount': 150, 'expiresAt': '2022-08-31T07:00:00.000Z' } }",
  "perpetual" : "{ 'VAE': { 'agentsCount': 450 } }",
  "hourly" : "{ 'VAE': { 'agentsCount': 450 } }"
}
```

3.25.3. Get license usage for DSM and domains

```
GET /v1/licenses/{reportName}
```

Description

DSM generates two license usage reports: a system-wide license usage report and a domain-specific license report. Each report provides details for the licenses used for Domain and DSM access. Note that you must provide a name for the generated report

Parameters

Type	Name	Description	Schema
Path	reportName <i>required</i>	Possible values: usage, usageByDomain. Examples: /v1/licenses/usage;period=yyyy-mm or /v1/licenses/usageByDomain;period=yyyy-mm;domainName=domainSubstring	enum (usage, usageByDomain)

Responses

HTTP Code	Description	Schema
200	Success	LicenseInfo
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/licenses//v1/licenses/usage;period=yyyy-mm or  
/v1/licenses/usageByDomain;period=yyyy-mm;domainName=domainSubstring
```

Example HTTP response

Response 200

```
{  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "issuedTo" : "Acme Inc.",  
  "keyVaultEnabled" : true,  
  "maxDomainsCount" : 0,  
  "term" : "{ 'VAE': { 'agentsCount': 150, 'expiresAt': '2022-08-31T07:00:00.000Z' } }",  
  "perpetual" : "{ 'VAE': { 'agentsCount': 450 } }",  
  "hourly" : "{ 'VAE': { 'agentsCount': 450 } }"  
}
```

3.26. Log Settings

3.26.1. Get the list of log settings for the specified agent host based on log type

```
GET /v1/domains/{domainId}/host/{hostId}/logsettings/{logType}
```

Description

Return the list of log settings for the specified agent host based on log type

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain	integer (int64)
Path	hostId <i>required</i>	ID of the host whose log settings are to be returned	integer (int64)
Path	logType <i>required</i>	Log type can be either be FS for file system agent log or Key for Key agent log	string

Responses

HTTP Code	Description	Schema
200	Success	< LogSettingsInfo > array
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/host/0/logsettings/FS
```

Example HTTP response

Response 200

```
[ {  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "logMessageType" : "MANAGEMENT",  
  "logDestinationInfo" :  
"logDestinationName:DSM,destinationLogLevel:INFO,aggregateLogLevel:INFO",  
  "logLevel" : "INFO",  
  "duplicates" : "SUPPRESS"  
} ]
```

3.26.2. Update log settings for the specified agent host based on log type

```
PUT /v1/domains/{domainId}/host/{hostId}/logsettings/{logType}
```

Description

Return the updated list of log settings for the specified agent host based on log type

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain	integer (int64)
Path	hostId <i>required</i>	ID of the host whose log settings are to be returned	integer (int64)
Path	logType <i>required</i>	Log type can be either FS for file system agent log or Key for agent key log	string
Body	body <i>required</i>	Data used to update log settings	LogSettingsUpdateInfo

Responses

HTTP Code	Description	Schema
200	Success	< LogSettingsInfo > array
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/host/0/logsettings/FS
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "logMessageType" : "MANAGEMENT",
  "logDestination" : "SYSLOG",
  "enableLogger" : true
}
```

Example HTTP response

Response 200

```
[ {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "logMessageType" : "MANAGEMENT",
  "logDestinationInfo" :
  "logDestinationName:DSM,destinationLogLevel:INFO,aggregateLogLevel:INFO",
  "logLevel" : "INFO",
  "duplicates" : "SUPPRESS"
} ]
```

3.26.3. Get the list of system log settings based on log type

```
GET /v1/system/logsettings/{logType}
```

Description

Return the list of system log settings based on log type

Parameters

Type	Name	Description	Schema
Path	logType <i>required</i>	Log type can be either FS for file system agent log or Key for agent key log	string

Responses

HTTP Code	Description	Schema
200	Success	< LogSettingsInfo > array
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/system/logsettings/FS
```

Example HTTP response

Response 200

```
[ {  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "logMessageType" : "MANAGEMENT",  
  "logDestinationInfo" :  
"logDestinationName:DSM,destinationLogLevel:INFO,aggregateLogLevel:INFO",  
  "logLevel" : "INFO",  
  "duplicates" : "SUPPRESS"  
} ]
```

3.26.4. Update system log settings based on log type

```
PUT /v1/system/logsettings/{logType}
```

Description

Return the updated list of system log settings based on log type

Parameters

Type	Name	Description	Schema
Path	logType <i>required</i>	Log type can be either FS for file system agent log or Key for agent key log	string
Body	body <i>required</i>	Data used to update log settings	LogSettingsUpdateInfo

Responses

HTTP Code	Description	Schema
200	Success	< LogSettingsInfo > array
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/system/logsettings/FS
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "logMessageType" : "MANAGEMENT",
  "logDestination" : "SYSLOG",
  "enableLogger" : true
}
```

Example HTTP response

Response 200

```
[ {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "logMessageType" : "MANAGEMENT",
  "logDestinationInfo" :
  "logDestinationName:DSM,destinationLogLevel:INFO,aggregateLogLevel:INFO",
  "logLevel" : "INFO",
  "duplicates" : "SUPPRESS"
} ]
```

3.27. Logs

3.27.1. Download Server logs

```
GET /v1/logs/all
```

Description

Download Server logs

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Produces

- application/octet-stream

Example HTTP request

Request path

```
/v1/logs/all
```

3.28. Policy Management

3.28.1. Get policies by filter

```
GET /v1/domains/{domainId}/policies
```

Description

Returns a list of policies that match the filter parameters

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	Domain Id of the domain to which the policy belongs	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of PolicyInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/policies
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "domainId" : 1000,
    "domainUrl" : "/v1/domains/1000/",
    "name" : "MyFirstPolicy",
    "description" : "My description",
    "policyType" : "string",
    "version" : 0,
    "learnMode" : true
  } ]
}
```

3.28.2. Delete single or multiple policies

```
DELETE /v1/domains/{domainId}/policies
```

Description

Delete specific or multiple policies from the DSM

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the policy belongs	integer (int64)
Body	body <i>required</i>	List of policy names	List of strings

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
404	Policy or domain not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/policies
```

Request body

```
{  
  "data" : "[ 'name1', 'name2' ]"  
}
```

3.28.3. Create a cloud object storage policy

```
POST /v1/domains/{domainId}/policies/cloudstorage
```

Description

Create a cloud object storage policy

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the policy belongs	integer (int64)
Body	body <i>required</i>	Information for creating a policy	FsCloudStoragePolicyCreationInfo

Responses

HTTP Code	Description	Schema
200	successful operation	FsCloudStoragePolicyCreationInfo
201	Success, object or resource created	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
409	Policy with the same name already exists in the domain. Specify a different name	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/policies/cloudstorage
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "policy_1",
  "description" : "Description item",
  "policyType" : "LDT = LDT policy, STANDARD = standard policy, COS = cloud
object storage policy",
  "force" : true,
  "securityRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 1,
    "userset" : {
      "exclude" : true,
      "id" : 1123
    },
    "processsset" : {
      "exclude" : true,
      "id" : 1123
    },
    "effects" : [ "string" ],
    "actions" : [ "string" ]
  } ],
  "keyRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 0,
    "resourceID" : 0,
    "keyID" : 0
  } ]
}
```

Example HTTP response

Response 200

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "policy_1",
  "description" : "Description item",
  "policyType" : "LDT = LDT policy, STANDARD = standard policy, COS = cloud
object storage policy",
  "force" : true,
  "securityRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 1,
    "userset" : {
      "exclude" : true,
      "id" : 1123
    },
    "processset" : {
      "exclude" : true,
      "id" : 1123
    },
    "effects" : [ "string" ],
    "actions" : [ "string" ]
  } ],
  "keyRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 0,
    "resourceID" : 0,
    "keyID" : 0
  } ]
}

```

3.28.4. Export policies

```
POST /v1/domains/{domainId}/policies/export
```

Description

Export policies as a tar file. You can then import them into other DSMs.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the policy belongs	integer (int64)
Body	body <i>required</i>	list of policy names and types	< PolicyExportDeleteInfo > array

Responses

HTTP Code	Description	Schema
200	Success	StreamingOutput
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
409	There are conflicting policies and sets	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/octet-stream

Example HTTP request

Request path

```
/v1/domains/0/policies/export
```

Request body

```
[ {  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "name" : "policy_1",  
  "policyType" : "LDT = LDT policy, STANDARD = standard policy, COS = cloud  
object storage policy"  
} ]
```

Example HTTP response

Response 200

```
{ }
```

3.28.5. Import policies

```
POST /v1/domains/{domainId}/policies/import
```

Description

Import a policy from another DSM

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	ID of domain to which the policy belongs	integer (int64)	
Query	includeAllSets <i>optional</i>	Flag to indicate whether user wants to import only sets that are used	boolean	"false"
Query	isProceed <i>optional</i>	Flag to indicate whether user wants to proceed if there are conflicts	boolean	"false"

Responses

HTTP Code	Description	Schema
201	Success, object or resource created	No Content
400	Invalid input file / Invalid input tar	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/octet-stream

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/policies/import
```

3.28.6. Create an LDT policy

```
POST /v1/domains/{domainId}/policies/ldt
```

Description

Create an LDT policy

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the policy belongs	integer (int64)
Body	body <i>required</i>	Information for policy creation	FsLDPolicyCreationInfo

Responses

HTTP Code	Description	Schema
200	successful operation	FsLDPolicyCreationInfo
201	Success, object or resource created	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Policy with name already exists in domain. Specify a different name	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/policies/ldt
```

Request body


```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "policy_1",
  "description" : "Description item",
  "policyType" : "LDT = LDT policy, STANDARD = standard policy, COS = cloud
object storage policy",
  "force" : true,
  "learnMode" : true,
  "securityRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 1,
    "allowBrowsing" : false,
    "userset" : {
      "exclude" : true,
      "id" : 1123
    },
    "resourceset" : {
      "exclude" : true,
      "id" : 1123
    },
    "processset" : {
      "exclude" : true,
      "id" : 1123
    },
    "timeset" : {
      "exclude" : true,
      "id" : 1123
    },
    "effects" : [ "string" ],
    "actions" : [ "string" ]
  } ],
  "keyRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 0,
    "resourceID" : 0,
    "keyID" : 0,
    "transformationKeyID" : 0,
    "exclude" : false
  } ]
}

```

Example HTTP response

Response 200

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "policy_1",
  "description" : "Description item",
  "policyType" : "LDT = LDT policy, STANDARD = standard policy, COS = cloud
object storage policy",
  "force" : true,
  "learnMode" : true,
  "securityRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 1,
    "allowBrowsing" : false,
    "userset" : {
      "exclude" : true,
      "id" : 1123
    },
    "resourceset" : {
      "exclude" : true,
      "id" : 1123
    },
    "processset" : {
      "exclude" : true,
      "id" : 1123
    },
    "timeset" : {
      "exclude" : true,
      "id" : 1123
    },
    "effects" : [ "string" ],
    "actions" : [ "string" ]
  } ],
  "keyRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 0,
    "resourceID" : 0,
    "keyID" : 0,
    "transformationKeyID" : 0,
    "exclude" : false
  } ]
}

```

3.28.7. Get policy by name

```
GET /v1/domains/{domainId}/policies/name/{policyName}
```

Description

Returns a list of all policies, filtered by name

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the domain to which the policy belongs	integer (int64)
Path	policyName <i>required</i>	Name of the policy to retrieve	string

Responses

HTTP Code	Description	Schema
200	Success	PolicyInfo
400	Invalid name supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/policies/name/string
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "domainUrl" : "/v1/domains/1000/",
  "name" : "MyFirstPolicy",
  "description" : "My description",
  "policyType" : "string",
  "version" : 0,
  "learnMode" : true
}
```

3.28.8. Search policies by name

```
GET /v1/domains/{domainId}/policies/search
```

Description

Returns a list of all of the policies in the domain

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	ID of the domain to which the policy belongs	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	name <i>optional</i>	Policy name or part of name, search is case insensitive and matches all substrings	string	
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	PolicyInfo
400	Invalid name supplied	No Content
403	Insufficient Privileges to perform this action	No Content
404	Policy or domain not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/policies/search
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "domainUrl" : "/v1/domains/1000/",
  "name" : "MyFirstPolicy",
  "description" : "My description",
  "policyType" : "string",
  "version" : 0,
  "learnMode" : true
}
```

3.28.9. Create a standard policy

```
POST /v1/domains/{domainId}/policies/standard
```

Description

Create a standard policy

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the policy belongs	integer (int64)
Body	body <i>required</i>	Policy creation information	FsPolicyCreationInfo

Responses

HTTP Code	Description	Schema
200	successful operation	FsPolicyCreationInfo
201	Success, object or resource created	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
409	Policy with the same name already exists in the domain. Specify a different name	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/policies/standard
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "policy_1",
  "description" : "Description item",
  "policyType" : "LDT = LDT policy, STANDARD = standard policy, COS = cloud
object storage policy",
  "force" : true,
  "learnMode" : true,
  "securityRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 1,
    "allowBrowsing" : false,
    "userset" : {
      "exclude" : true,
      "id" : 1123
    },
    "resourceset" : {
      "exclude" : true,
      "id" : 1123
    },
    "processsset" : {
      "exclude" : true,
      "id" : 1123
    },
    "timeset" : {
      "exclude" : true,
      "id" : 1123
    },
    "effects" : [ "string" ],
    "actions" : [ "string" ]
  } ],
  "keyRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 0,
    "resourceID" : 0,
    "keyID" : 0
  } ]
}
```


Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "policy_1",
  "description" : "Description item",
  "policyType" : "LDT = LDT policy, STANDARD = standard policy, COS = cloud
object storage policy",
  "force" : true,
  "learnMode" : true,
  "securityRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 1,
    "allowBrowsing" : false,
    "userset" : {
      "exclude" : true,
      "id" : 1123
    },
    "resourceset" : {
      "exclude" : true,
      "id" : 1123
    },
    "processsset" : {
      "exclude" : true,
      "id" : 1123
    },
    "timeset" : {
      "exclude" : true,
      "id" : 1123
    },
    "effects" : [ "string" ],
    "actions" : [ "string" ]
  } ],
  "keyRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 0,
    "resourceID" : 0,
    "keyID" : 0
  } ]
}
```

3.28.10. Update a cloud object storage policy

```
PUT /v1/domains/{domainId}/policies/{id}/cloudstorage
```

Description

Edit or Update a cloud object storage policy

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the policy belongs	integer (int64)
Path	id <i>required</i>	ID of the specific policy	integer (int64)
Body	body <i>required</i>	Information for updating the policy	FsCloudStoragePolicyUpdateInfo

Responses

HTTP Code	Description	Schema
200	Success	FsCloudStoragePolicyUpdateInfo
400	Invalid input names	No Content
401	Insufficient Privileges to perform this action	No Content
404	Policy not found with ID	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/policies/0/cloudstorage
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "securityRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 1,
    "allowBrowsing" : false,
    "userset" : {
      "exclude" : true,
      "id" : 1123
    },
    "resourceset" : {
      "exclude" : true,
      "id" : 1123
    },
    "processset" : {
      "exclude" : true,
      "id" : 1123
    },
    "timeset" : {
      "exclude" : true,
      "id" : 1123
    },
    "effects" : [ "string" ],
    "actions" : [ "string" ]
  } ],
  "description" : "string",
  "force" : false,
  "keyRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 0,
    "resourceID" : 0,
    "keyID" : 0
  } ]
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "securityRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 1,
    "allowBrowsing" : false,
    "userset" : {
      "exclude" : true,
      "id" : 1123
    },
    "resourceset" : {
      "exclude" : true,
      "id" : 1123
    },
    "processset" : {
      "exclude" : true,
      "id" : 1123
    },
    "timeset" : {
      "exclude" : true,
      "id" : 1123
    },
    "effects" : [ "string" ],
    "actions" : [ "string" ]
  } ],
  "description" : "string",
  "force" : false,
  "keyRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 0,
    "resourceID" : 0,
    "keyID" : 0
  } ]
}
```

3.28.11. Update an LDT policy

```
PUT /v1/domains/{domainId}/policies/{id}/ldt
```

Description

Edit or Update an LDT policy

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the policy belongs	integer (int64)
Path	id <i>required</i>	ID of the specific policy	integer (int64)
Body	body <i>required</i>	Policy update information	FsLDTPolicyUpdateInfo

Responses

HTTP Code	Description	Schema
200	Success	FsLDTPolicyUpdateInfo
400	Invalid input names	No Content
401	Insufficient Privileges to perform this action	No Content
404	Policy not found with ID	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/policies/0/ldt
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "securityRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 1,
    "allowBrowsing" : false,
    "userset" : {
      "exclude" : true,
      "id" : 1123
    },
    "resourceset" : {
      "exclude" : true,
      "id" : 1123
    },
    "processsset" : {
      "exclude" : true,
      "id" : 1123
    },
    "timeset" : {
      "exclude" : true,
      "id" : 1123
    },
    "effects" : [ "string" ],
    "actions" : [ "string" ]
  } ],
  "description" : "string",
  "force" : false,
  "learnMode" : true,
  "keyRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 0,
    "resourceID" : 0,
    "keyID" : 0,
    "transformationKeyID" : 0,
    "exclude" : false
  } ]
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "securityRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 1,
    "allowBrowsing" : false,
    "userset" : {
      "exclude" : true,
      "id" : 1123
    },
    "resourceset" : {
      "exclude" : true,
      "id" : 1123
    },
    "processset" : {
      "exclude" : true,
      "id" : 1123
    },
    "timeset" : {
      "exclude" : true,
      "id" : 1123
    },
    "effects" : [ "string" ],
    "actions" : [ "string" ]
  } ],
  "description" : "string",
  "force" : false,
  "learnMode" : true,
  "keyRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 0,
    "resourceID" : 0,
    "keyID" : 0,
    "transformationKeyID" : 0,
    "exclude" : false
  } ]
}
```

3.28.12. Update a standard policy

```
PUT /v1/domains/{domainId}/policies/{id}/standard
```

Description

Edit or Update a Dataxform (standard) policy

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the policy belongs	integer (int64)
Path	id <i>required</i>	ID of the specific policy	integer (int64)
Body	body <i>required</i>	Policy update information	FsPolicyUpdateInfo

Responses

HTTP Code	Description	Schema
200	Success	FsPolicyUpdateInfo
400	Invalid input names	No Content
401	Insufficient Privileges to perform this action	No Content
404	Policy not found with ID	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/policies/0/standard
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "securityRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 1,
    "allowBrowsing" : false,
    "userset" : {
      "exclude" : true,
      "id" : 1123
    },
    "resourceset" : {
      "exclude" : true,
      "id" : 1123
    },
    "processset" : {
      "exclude" : true,
      "id" : 1123
    },
    "timeset" : {
      "exclude" : true,
      "id" : 1123
    },
    "effects" : [ "string" ],
    "actions" : [ "string" ]
  } ],
  "description" : "string",
  "force" : false,
  "learnMode" : true,
  "keyRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 0,
    "resourceID" : 0,
    "keyID" : 0
  } ]
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "securityRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 1,
    "allowBrowsing" : false,
    "userset" : {
      "exclude" : true,
      "id" : 1123
    },
    "resourceset" : {
      "exclude" : true,
      "id" : 1123
    },
    "processset" : {
      "exclude" : true,
      "id" : 1123
    },
    "timeset" : {
      "exclude" : true,
      "id" : 1123
    },
    "effects" : [ "string" ],
    "actions" : [ "string" ]
  } ],
  "description" : "string",
  "force" : false,
  "learnMode" : true,
  "keyRules" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "order" : 0,
    "resourceID" : 0,
    "keyID" : 0
  } ]
}
```

3.28.13. Get policy by ID

```
GET /v1/domains/{domainId}/policies/{policyId}
```

Description

Returns a list of all policies, filtered by ID

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain to which the policy belongs	integer (int64)
Path	policyId <i>required</i>	ID of the policy to return	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	PolicyInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/policies/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "domainUrl" : "/v1/domains/1000/",
  "name" : "MyFirstPolicy",
  "description" : "My description",
  "policyType" : "string",
  "version" : 0,
  "learnMode" : true
}
```

3.29. Process Sets

3.29.1. Create process set

```
POST /v1/domains/{domainId}/processsets
```

Description

A process set is a list of processes you can use in a user set associated with a policy rule.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the object	integer (int64)
Body	body <i>required</i>	process set payload	ProcessSetInfo

Responses

HTTP Code	Description	Schema
200	successful operation	ProcessSetInfo
201	Success, object or resource created	No Content
400	Invalid JSON input	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/processsets
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "processes" : [ {
    "directory" : "/tmp/test",
    "baseName" : "*",
    "signatureReference" : "signatureName",
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"
  } ]
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "processes" : [ {
    "directory" : "/tmp/test",
    "baseName" : "*",
    "signatureReference" : "signatureName",
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"
  } ]
}
```

3.29.2. Get list of process sets

```
GET /v1/domains/{domainId}/processsets
```

Description

Returns a list of all process sets

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	Domain ID of the object	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of ProcessSetInfo
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/processsets
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "domainId" : 1000,
    "name" : "Set1",
    "description" : "This is the set created for a policy",
    "processes" : [ {
      "directory" : "/tmp/test",
      "baseName" : "*",
      "signatureReference" : "signatureName",
      "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
      "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"
    } ]
  } ]
}
```


3.29.3. Delete process set(s) by name(s)

```
DELETE /v1/domains/{domainId}/processsets
```

Description

Takes list of process set names and returns a number of deleted elements

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the object	integer (int64)
Body	body <i>required</i>	List of strings	List of strings

Responses

HTTP Code	Description	Schema
200	Success	integer (int32)
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/processsets
```

Request body

```
{  
  "data" : "[ 'name1', 'name2' ]"  
}
```

Example HTTP response

Response 200

```
0
```

3.29.4. Get process sets

```
GET /v1/domains/{domainId}/processsets/{id}
```

Description

Returns a specific process set, filtered by Id

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the object	integer (int64)
Path	id <i>required</i>	Item ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	ProcessSetInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/processsets/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "processes" : [ {
    "directory" : "/tmp/test",
    "baseName" : "*",
    "signatureReference" : "signatureName",
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"
  } ]
}
```

3.29.5. Update process set

```
PUT /v1/domains/{domainId}/processsets/{id}
```

Description

Add or update processes in a process set

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the object	integer (int64)
Path	id <i>required</i>	Item ID	integer (int64)
Body	body <i>required</i>	process set payload	ProcessSetInfo

Responses

HTTP Code	Description	Schema
200	Success	ProcessSetInfo
400	Invalid JSON input	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/processsets/0
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "processes" : [ {
    "directory" : "/tmp/test",
    "baseName" : "*",
    "signatureReference" : "signatureName",
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"
  } ]
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "processes" : [ {
    "directory" : "/tmp/test",
    "baseName" : "*",
    "signatureReference" : "signatureName",
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"
  } ]
}
```

3.29.6. Get process sets

```
GET /v1/domains/{domainId}/processsets/{processSetName}
```

Description

Returns a specific process set, filtered by name

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the object	integer (int64)
Path	processSetName <i>required</i>	Name	string

Responses

HTTP Code	Description	Schema
200	Success	ProcessSetInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/processsets/string
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "processes" : [ {
    "directory" : "/tmp/test",
    "baseName" : "*",
    "signatureReference" : "signatureName",
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"
  } ]
}
```


3.29.7. Get policies for given process set

```
GET /v1/domains/{domainId}/processsets/{processSetName}/policies
```

Description

Returns policies that use the specific process set

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	Domain ID of the object	integer (int64)	
Path	processSetName <i>required</i>	Name	string	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of PolicyInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/processsets/string/policies
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "domainId" : 1000,
    "domainUrl" : "/v1/domains/1000/",
    "name" : "MyFirstPolicy",
    "description" : "My description",
    "policyType" : "string",
    "version" : 0,
    "learnMode" : true
  } ]
}
```

3.30. RSA Configuration

3.30.1. Update the RSA configuration

```
PUT /v1/rsa/config
```

Description

The RSA Authentication Agent is the intermediary between DSM and the RSA Authentication Manager. It intercepts an access request from the DSM and directs the request to the RSA Authentication Manager server for authentication.

Parameters

Type	Name	Description	Schema
Body	body <i>required</i>	RSA Configuration file (sdconf.rec). The file must include the IP address of the DSM associated with the RSA Authentication Agent.	RsaConfig

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/rsa/config
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "rsaConfig" :
  "OwYFI7owv5UrAdlfnOsW2Aq6boXN+IDnZFibvvz74J/vyOSi510o+/6o+4ui4AR0xROM4BlhlFc72eL
  av9HEUBpO8+knVesmbkLRjNOYxqma3lJqYelZn0yCnvNM2EBHv2avQbHdjXIjPdGjgoP8mrDai2sYs1/
  xUehOwlWxL6ESQwoVTjZzp4pyyqsuuEnG4rEJZTBsLVHRODY2/PsiW3+x++eWRoIf5fHf3Xr/UyepxOy
  wXnyyWEEos6NG8wlzggOwJl/kWolyeskvZRzN0W08nYwOYTFgfXOVZ24kvVCFJCbLJyDl60pCJ3pGTeb
  YnSV37e2CqwI2oFpKD5rs+JAZTumkI9VNaQtTeS2SogMxPBYhiIedlMc4Az+kKM0deQhcTHvpskCzOzB
  99Au8GScTwAnVQW4/gRrUrPeQP7j+Gln+nL9xl/ogWKf3LfOZ+Q/P9K8/Ani4Hm3wBu9MPL4n4YVS863
  5FaEocw6WotJsgSI3gk6N08nsi4dTS15b+jir8fh9qwrLAgLPHzkTTKIADNInmcz80I9vcRpsWGXi2zX
  uIu4Z6bFMiM5yvjtE+eIaepPF5...",
  "ip" : "10.3.110.104"
}
```

3.31. Resource Sets

3.31.1. Create resource set

```
POST /v1/domains/{domainId}/resourcesets
```

Description

Create a resource set to control access to a resource or group of resources

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the resource set	integer (int64)
Body	body <i>required</i>	Resource Set payload	ResourceSetInfo

Responses

HTTP Code	Description	Schema
200	successful operation	ResourceSetInfo
201	Success, object or resource created	No Content
400	Invalid JSON input	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/resourcesets
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "resources" : [ {
    "directory" : "/tmp/test",
    "baseName" : "testFile",
    "includeSubFolders" : true,
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59",
    "hdfs" : true
  } ]
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "resources" : [ {
    "directory" : "/tmp/test",
    "baseName" : "testFile",
    "includeSubFolders" : true,
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59",
    "hdfs" : true
  } ]
}
```

3.31.2. Get list of resource sets

```
GET /v1/domains/{domainId}/resourcesets
```

Description

Returns a list of resource sets

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	Domain ID of the resource set	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of ResourceSetInfo
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/resourcesets
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "domainId" : 1000,
    "name" : "Set1",
    "description" : "This is the set created for a policy",
    "resources" : [ {
      "directory" : "/tmp/test",
      "baseName" : "testFile",
      "includeSubFolders" : true,
      "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
      "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59",
      "hdfs" : true
    } ]
  } ]
}
```


3.31.3. Delete resource set(s) by name(s)

```
DELETE /v1/domains/{domainId}/resourcesets
```

Description

Deletes specified resource sets

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the resource set	integer (int64)
Body	body <i>required</i>	List of strings	List of strings

Responses

HTTP Code	Description	Schema
200	Success	integer (int32)
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/resourcesets
```

Request body

```
{  
  "data" : "[ 'name1', 'name2' ]"  
}
```

Example HTTP response

Response 200

```
0
```

3.31.4. Get resource sets

```
GET /v1/domains/{domainId}/resourcesets/{id}
```

Description

Returns specified resource set

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the resource set	integer (int64)
Path	id <i>required</i>	Item ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	ResourceSetInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/resourcesets/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "resources" : [ {
    "directory" : "/tmp/test",
    "baseName" : "testFile",
    "includeSubFolders" : true,
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59",
    "hdfs" : true
  } ]
}
```

3.31.5. Update resource set

```
PUT /v1/domains/{domainId}/resourcesets/{id}
```

Description

Update a resource set

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the resource set	integer (int64)
Path	id <i>required</i>	Item ID	integer (int64)
Body	body <i>required</i>	resource set payload	ResourceSetInfo

Responses

HTTP Code	Description	Schema
200	Success	ResourceSetInfo
400	Invalid JSON input	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/resourcesets/0
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "resources" : [ {
    "directory" : "/tmp/test",
    "baseName" : "testFile",
    "includeSubFolders" : true,
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59",
    "hdfs" : true
  } ]
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "resources" : [ {
    "directory" : "/tmp/test",
    "baseName" : "testFile",
    "includeSubFolders" : true,
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59",
    "hdfs" : true
  } ]
}
```

3.31.6. Get resource sets

```
GET /v1/domains/{domainId}/resourcesets/{resourceSetName}
```

Description

Returns specified resource set

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the resource set	integer (int64)
Path	resourceSetName <i>required</i>	Name	string

Responses

HTTP Code	Description	Schema
200	Success	ResourceSetInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/resourcesets/string
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "resources" : [ {
    "directory" : "/tmp/test",
    "baseName" : "testFile",
    "includeSubFolders" : true,
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59",
    "hdfs" : true
  } ]
}
```


3.31.7. Get policies for given resource sets

```
GET /v1/domains/{domainId}/resourcesets/{resourceSetName}/policies
```

Description

Returns policies that use the specified resource set

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the resource set	integer (int64)
Path	resourceSetName <i>required</i>	Name	string

Responses

HTTP Code	Description	Schema
200	Success	List of PolicyInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/resourcesets/string/policies
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "domainId" : 1000,
    "domainUrl" : "/v1/domains/1000/",
    "name" : "MyFirstPolicy",
    "description" : "My description",
    "policyType" : "string",
    "version" : 0,
    "learnMode" : true
  } ]
}
```

3.32. Restore DSM Backup

3.32.1. Get RestoreProcessForSystemInfo Object

```
GET /v1/restore/processes/{processId}
```

Description

Returns information on a system restore process.

This information is removed from the system if this GET call is successful and any further calls will result in item not found

A system reboot invalidates prior generated process Ids.

A successful system restore ends with a system reboot so a process Id will not be valid after a successful system restore.

Parameters

Type	Name	Description	Schema
Path	<code>processId</code> <i>required</i>	Id of the restore process	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	RestoreProcessInfo
400	Invalid JSON input	400 Response Failure
401	Insufficient Privileges to perform this action	401 Response Failure
403	Forbidden, permission denied	403 Response Failure
409	Object name already in use	409 Response Failure
500	Unexpected server error	500 Response Failure

Produces

- `application/json`

Example HTTP request

Request path

```
/v1/restore/processes/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "processStatus" : "IN_PROGRESS",
  "error" : "Wrong data provided by the user",
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string"
}
```

Response 400

```
{
  "httpStatusCode" : 400,
  "message" : "Client error due to bad input parameters or reaching an
unimplemented endpoint."
}
```

Response 401

```
{
  "httpStatusCode" : 401,
  "message" : "Bad credential or unauthorized operation."
}
```

Response 403

```
{
  "httpStatusCode" : 403,
  "message" : "User does not have sufficient privileges for the operation or
there is a specific limitation on the resource that has been reached."
}
```

Response 409

```
{
  "httpStatusCode" : 409,
  "message" : "Object already in use"
}
```

Response 500

```
{
  "httpStatusCode" : 500,
  "message" : "Server internal error."
}
```

3.32.2. Restore a DSM backup

```
PUT /v1/restore/upload
```

Description

Include the file name and location of the backup .tar file. Restoring a backup will replace the current DSM configuration. Any updates made after the date of this last backup (e.g. new encryption keys), will be overwritten by this backup.

Returns information on a restore process.

A system reboot invalidates prior generated process Ids.

A successful system restore ends with a system reboot so a process Id after a successful system restore will not be valid.

Parameters

Type	Name	Description	Schema	Default
Query	includeusers <i>optional</i>	indicates whether or not to restore users (administrators)	boolean	"false"
FormData	file <i>required</i>	File to upload	file	

Responses

HTTP Code	Description	Schema
202	Success, request accepted	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/octet-stream

Produces

- application/json

Example HTTP request

Request path

```
/v1/restore/upload
```

Request formData

```
"file"
```

3.33. Restore Domain Backup

3.33.1. Get RestoreProcessForDomainInfo Object

```
GET /v1/domains/{domainId}/restore/processes/{processId}
```

Description

Returns information on the restore process for the domain.

This information is removed from the system if this GET call is successful and any further calls will result in item not found

A system reboot invalidates prior generated process ids.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Id of the domain for the restore process is	integer (int64)
Path	processId <i>required</i>	Id of the restore process	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	RestoreProcessInfo
400	Invalid JSON input	400 Response Failure
401	Insufficient Privileges to perform this action	401 Response Failure
403	Forbidden, permission denied	403 Response Failure
409	Object name already in use	409 Response Failure
500	Unexpected server error	500 Response Failure

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/restore/processes/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "processStatus" : "IN_PROGRESS",
  "error" : "Wrong data provided by the user",
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string"
}
```

Response 400

```
{
  "httpStatusCode" : 400,
  "message" : "Client error due to bad input parameters or reaching an
unimplemented endpoint."
}
```

Response 401

```
{
  "httpStatusCode" : 401,
  "message" : "Bad credential or unauthorized operation."
}
```

Response 403

```
{
  "httpStatusCode" : 403,
  "message" : "User does not have sufficient privileges for the operation or
there is a specific limitation on the resource that has been reached."
}
```

Response 409

```
{
  "httpStatusCode" : 409,
  "message" : "Object already in use"
}
```

Response 500

```
{
  "httpStatusCode" : 500,
  "message" : "Server internal error."
}
```

3.33.2. Restore a domain backup

```
PUT /v1/domains/{domainId}/restore/upload
```

Description

Include the file name and location of the backup .tar file.

Example: `curl -i -insecure -u admin_name:password -w nn%{http_code}n -X PUT https://dsm_web_address:8445/dsm/v1/domains/1257/restore/upload -T /path/to/backup_file.tar`

Restoring a backup will replace the current domain configuration.

Returns information on the restore process for domain.

A system reboot invalidates prior generated process ids.

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	ID of the domain to which the administrator belongs	integer (int64)	
Query	includeusers <i>optional</i>	Include users	boolean	"false"
FormData	file <i>required</i>	File to upload	file	

Responses

HTTP Code	Description	Schema
202	Success, request accepted	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/octet-stream

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/restore/upload
```

Request formData

```
"file"
```

3.34. Shared Secret

3.34.1. Create shared secret

```
POST /v1/domains/{domainId}/sharedSecret
```

Description

Creates a shared secret for a domain

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain in which to create the shared secret	integer (int64)
Body	body <i>required</i>	Shared secret creation information	DomainRegistrationSharedSecretInfo

Responses

HTTP Code	Description	Schema
201	Success, object or resource created	DomainRegistrationSharedSecretInfo
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/sharedSecret
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "secret" : "tesTest1!",
  "expiredDate" : "string",
  "isPreAddHost" : false,
  "enforcedSharedSecret" : true
}
```

Example HTTP response

Response 201

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "secret" : "tesTest1!",
  "expiredDate" : "string",
  "isPreAddHost" : false,
  "enforcedSharedSecret" : true
}
```

3.34.2. Get shared secret by DomainId

```
GET /v1/domains/{domainId}/sharedSecret
```

Description

Returns shared secret info by domain ID

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain that contains the shared secret	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	DomainRegistrationSharedSecretInfo
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/sharedSecret
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "secret" : "tesTest1!",
  "expiredDate" : "string",
  "isPreAddHost" : false,
  "enforcedSharedSecret" : true
}
```


3.34.3. Delete shared secret by domainId

```
DELETE /v1/domains/{domainId}/sharedSecret
```

Description

The number of deleted shared secret is provided

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain that contains the shared secret	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/sharedSecret
```

3.34.4. Create shared secret

```
POST /v1/domains/{domainId}/sharedSecret/hostGroup/{hostGroupId}
```

Description

Creates a shared secret, in a specific hostGroup in a specific domain

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain	integer (int64)
Path	hostGroupId <i>required</i>	ID of the hostGroup in which to create shared Secret	integer (int64)
Body	body <i>required</i>	shared secret creation information	RegistrationSharedSecretInfo

Responses

HTTP Code	Description	Schema
201	Success, object or resource created	RegistrationSharedSecretInfo
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/sharedSecret/hostGroup/0
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "secret" : "tesTest1!",
  "expiredDate" : "string",
  "isPreAddHost" : false
}
```

Example HTTP response

Response 201

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "secret" : "tesTest1!",
  "expiredDate" : "string",
  "isPreAddHost" : false
}
```

3.34.5. Get shared secret

```
GET /v1/domains/{domainId}/sharedSecret/hostGroup/{hostGroupId}
```

Description

Returns shared secret information for a HostGroup in an Domain

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain	integer (int64)
Path	hostGroupId <i>required</i>	ID of the hostGroup that contains the shared secret	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	HostGroupRegistrationSharedSecretInfo
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/sharedSecret/hostGroup/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "secret" : "tesTest1!",
  "expiredDate" : "string",
  "isPreAddHost" : false,
  "hostGroupShared" : true
}
```

3.34.6. Delete shared secret by hostGroupId and domainId

```
DELETE /v1/domains/{domainId}/sharedSecret/hostGroup/{hostGroupId}
```

Description

The number of deleted shared secret is provided

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain	integer (int64)
Path	hostGroupId <i>required</i>	ID of the hostGroup that contains the shared secret	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/sharedSecret/hostGroup/0
```


3.34.7. Generate secret value for a hostGroup

```
POST /v1/domains/{domainId}/sharedSecret/hostGroup/{hostGroupId}/newSecret
```

Description

Generates a valid secret value that can be used to create shared secret for a specific hostGroup in a specific domain

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain	integer (int64)
Path	hostGroupId <i>required</i>	ID of the hostGroup in which to create secret	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	SecretInfo
400	Invalid ID supplied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/sharedSecret/hostGroup/0/newSecret
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "secret" : "tesTest1!"
}
```

3.34.8. Generate secret value for a domain

```
POST /v1/domains/{domainId}/sharedSecret/newSecret
```

Description

Generates a valid secret value that can be used to create shared secret for a specific domain

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of the domain in which to create secret	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	SecretInfo
400	Invalid ID supplied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/sharedSecret/newSecret
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "secret" : "tesTest1!"
}
```

3.35. Signature Sets

3.35.1. Create a signature set

```
POST /v1/domains/{domainId}/signaturesets
```

Description

Enter the signature set information to create a signature set

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID	integer (int64)
Body	body <i>required</i>	Signature set information	SignatureCreationInfo

Responses

HTTP Code	Description	Schema
200	successful operation	Model for SignatureReference
201	Success, object or resource created	Model for SignatureReference
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
409	Object name already in use	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/signaturesets
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "set1",
  "description" : "Description item"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "Signature Name",
  "version" : 0,
  "description" : "My description",
  "signatureSourceList" : "[ 'name1', 'name2' ]",
  "signingPercentageComplete" : 0,
  "signingStatus" : "string",
  "domainId" : 0,
  "dockerImageID" : "string",
  "dockerContainerID" : "string"
}
```

Response 201

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "Signature Name",
  "version" : 0,
  "description" : "My description",
  "signatureSourceList" : "[ 'name1', 'name2']",
  "signingPercentageComplete" : 0,
  "signingStatus" : "string",
  "domainId" : 0,
  "dockerImageID" : "string",
  "dockerContainerID" : "string"
}
```

3.35.2. Get all signature sets

```
GET /v1/domains/{domainId}/signaturesets
```

Description

Returns a paginated list of information for all signature sets in the domain, you can filter results based on query parameters

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	ID of the domain that contains the signature sets	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of SignatureReferenceInfo
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/signaturesets
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "Signature Name",
    "version" : 0,
    "description" : "My description",
    "signatureSourceList" : "[ 'name1', 'name2']",
    "signingPercentageComplete" : 0,
    "signingStatus" : "string",
    "domainId" : 0,
    "dockerImageID" : "string",
    "dockerContainerID" : "string"
  } ]
}
```

3.35.3. Update a signature set

```
PUT /v1/domains/{domainId}/signaturesets
```

Description

Update a signature set description or a signature source list

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID	integer (int64)
Body	body <i>required</i>	Signature set update information; for updating description and signature source list	SignatureSetUpdateInfo

Responses

HTTP Code	Description	Schema
200	Success	Model for SignatureReference
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/signaturesets
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "set1",
  "description" : "Description item",
  "signatureSourceList" : "[ 'name1', 'name2']"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "Signature Name",
  "version" : 0,
  "description" : "My description",
  "signatureSourceList" : "[ 'name1', 'name2']",
  "signingPercentageComplete" : 0,
  "signingStatus" : "string",
  "domainId" : 0,
  "dockerImageID" : "string",
  "dockerContainerID" : "string"
}
```

3.35.4. Delete a single, or multiple, signature sets

```
DELETE /v1/domains/{domainId}/signaturesets
```

Description

Delete a specific, or multiple, signature sets

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of domain to which signature set belongs	integer (int64)
Body	body <i>required</i>	List of Signature Set names	List of strings

Responses

HTTP Code	Description	Schema
200	Success. Return number of deleted items	Number of deleted items
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/signaturesets
```

Request body

```
{  
  "data" : "[ 'name1', 'name2']"  
}
```

Example HTTP response

Response 200

```
{  
  "deleted" : 2  
}
```

3.35.5. Stop signing a signature set

```
DELETE /v1/domains/{domainId}/signaturesets/cancel
```

Description

Cancel the signing of a signatures set

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID	integer (int64)
Body	body <i>required</i>	Sign information needed to stop signing a signature set	SignInfo

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Signature set does not exist in the domain. Specify a different signature set	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/signaturesets/cancel
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "set1",
  "hostName" : "host1"
}
```

3.35.6. Search signature sets

```
GET /v1/domains/{domainId}/signaturesets/name/{signaturesetName}
```

Description

Returns a paginated list of information for all signature sets in the domain, you can filter results based on query parameters

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	ID of the domain that contains the signature sets	integer (int64)	
Path	signaturesetName <i>required</i>	Search signature sets by name	string	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of SignatureReferenceInfo
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/signaturesets/name/string
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "Signature Name",
    "version" : 0,
    "description" : "My description",
    "signatureSourceList" : "[ 'name1', 'name2']",
    "signingPercentageComplete" : 0,
    "signingStatus" : "string",
    "domainId" : 0,
    "dockerImageID" : "string",
    "dockerContainerID" : "string"
  } ]
}
```

3.35.7. Sign a signature set

```
PUT /v1/domains/{domainId}/signaturesets/sign
```

Description

Sign a signature set

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID	integer (int64)
Body	body <i>required</i>	Sign information to sign a signature set	SignInfo

Responses

HTTP Code	Description	Schema
200	successful operation	SignStatusInfo
202	Success, request accepted	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/signaturesets/sign
```

Request body

```
{  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "name" : "set1",  
  "hostName" : "host1"  
}
```

Example HTTP response

Response 200

```
{  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "hostName" : "host1",  
  "signingPercentageComplete" : "1...100"  
}
```

3.35.8. Delete single, or multiple, signatures

```
DELETE /v1/domains/{domainId}/signaturesets/signatures
```

Description

Delete specific or multiple signatures

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of domain to which signature set belongs	integer (int64)
Body	body <i>required</i>	List of signature set ids to delete	List of longs

Responses

HTTP Code	Description	Schema
200	Success	Number of deleted item
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/signaturesets/signatures
```

Request body

```
{  
  "data" : "[ 1000, 1001 ]"  
}
```

Example HTTP response

Response 200

```
{  
  "deleted" : 1  
}
```

3.35.9. Get list of signatures of a signature set

```
GET /v1/domains/{domainId}/signaturesets/signatures/{signaturesetId}
```

Description

Returns a paginated list of information for all signatures of signature set in the domain, you can filter results based on query parameters

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	ID of the domain that contains the signature sets	integer (int64)	
Path	signaturesetId <i>required</i>	Signature sets id; get list of signatures	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of SignaturesInfo
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/signaturesets/signatures/0
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "signatureFile" : "string",
    "signatureValue" : "string",
    "signatureReferenceId" : 0,
    "signAlgo" : "string"
  } ]
}
```

3.35.10. Status of a signature set

```
GET /v1/domains/{domainId}/signaturesets/{hostName}/{signaturesetId}/status
```

Description

Returns the status information for signature sets

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID	integer (int64)
Path	hostName <i>required</i>	Agent host name	string
Path	signaturesetId <i>required</i>	Signature set Id	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	SignStatusInfo
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/signaturesets/string/0/status
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "hostName" : "host1",
  "signingPercentageComplete" : "1...100"
}
```

3.35.11. Get signature set by name

```
GET /v1/domains/{domainId}/signaturesets/{signaturesetId}
```

Description

Get a specific signature set

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Id of the domain to which the signature belongs	integer (int64)
Path	signaturesetId <i>required</i>	Signature sets Id; use to get signature set	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	Model for SignatureReference
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/signaturesets/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "Signature Name",
  "version" : 0,
  "description" : "My description",
  "signatureSourceList" : "[ 'name1', 'name2']",
  "signingPercentageComplete" : 0,
  "signingStatus" : "string",
  "domainId" : 0,
  "dockerImageID" : "string",
  "dockerContainerID" : "string"
}
```

3.36. SmartCard

3.36.1. Get all smart card certificates

```
GET /v1/smartcard
```

Description

Get all smart card certificates

Responses

HTTP Code	Description	Schema
200	Success	CertMgmt
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/smartcard
```

Example HTTP response

Response 200

```
{
  "id" : 0,
  "subject" : "string",
  "issuerDN" : "string",
  "issuerID" : 0,
  "startTime" : "string",
  "endTime" : "string",
  "certType" : "string",
  "sigAlgo" : "string",
  "enhancedUsages" : "string",
  "altNames" : "string",
  "crl" : "string",
  "ocsp" : "string",
  "format" : "string",
  "privKey" : "string",
  "raw" : "string",
  "cert" : "string",
  "p12Pw" : "string",
  "domainID" : 0,
  "pubkeyAlgo" : "string",
  "pubkeySize" : 0,
  "certFileName" : "string",
  "keyFileName" : "string",
  "description" : "string",
  "ca" : true
}
```

3.36.2. Import smart card certificates

POST /v1/smartcard/import

Description

Import smart card certificates

Parameters

Type	Name	Description	Schema
FormData	file <i>required</i>	Certificate file to upload	file

Responses

HTTP Code	Description	Schema
201	Success, object or resource created	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/octet-stream

Produces

- application/json

Example HTTP request

Request path

```
/v1/smartcard/import
```

Request formData

```
"file"
```

3.36.3. Export smart card certificate

```
GET /v1/smartcard/{certificateId}
```

Description

Export smart card certificate

Parameters

Type	Name	Description	Schema
Path	certificateId <i>required</i>	Certificate ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid certificateId supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/octet-stream

Example HTTP request

Request path

```
/v1/smartcard/0
```

3.36.4. Delete smart card certificate

```
DELETE /v1/smartcard/{certificateId}
```

Description

Delete smart card certificate

Parameters

Type	Name	Description	Schema
Path	certificateId <i>required</i>	Certificate ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Invalid certificateId supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/smartcard/0
```

3.37. Symmetric Keys

3.37.1. Create a symmetric key

```
POST /v1/domains/{domainId}/keys/symmetric
```

Description

Create a symmetric key

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Body	body <i>required</i>	Symmetric key creation information	Symmetric key

Responses

HTTP Code	Description	Schema
200	successful operation	Key information
201	Success, object or resource created	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Key name with name already exists in domain. Please specify a different name	No Content
500	Unexpected server error	No Content
503	Server currently unavailable	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/symmetric
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "description" : "Description",
  "name" : "symmetricKey",
  "keyString" : "0123456789aabbccddeeff0123456789aabbccddeeff0099",
  "algorithm" : "AES256",
  "encryptionMode" : "CBC",
  "cachedTime" : 60,
  "keyTemplateName" : "myKeyTemplate",
  "creationTime" : "string",
  "expirationTime" : "string",
  "keyVersionLifeSpan" : 2,
  "kmipAccessible" : false,
  "keyUsageType" : "string"
}
```

Example HTTP response

Response 200

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGSib3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMSGkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51s1SPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
}

```

3.37.2. Search list of symmetric keys using a keyword

```
GET /v1/domains/{domainId}/keys/symmetric
```

Description

Returns a list of symmetric keys

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of keys
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/symmetric
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "name" : "KeyName",
    "description" : "Description",
    "algorithm" : "string",
    "encryptionMode" : "CBC",
    "keyUsageType" : "string",
    "state" : "ACTIVE",
    "creationTime" : "string",
    "expirationTime" : "string",
    "cachedTime" : 60,
    "source" : "From DSM",
    "domainId" : 3001,
    "keyVersion" : 1,
    "keyHash" :
    "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
    91120617b4ec8dd81",
    "keyVersionLifeSpan" : 2,
    "numberOfPolicies" : 0,
    "alignUnit" : "D",
    "alignedCachedTime" : 0,
    "publicKey" : "-----BEGIN PUBLIC KEY-----
    \nMIGfDE0GCSqGSIB3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
    FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUesmQRMMSGkVb1/\n3j
    +skZ6UtW+5u09lHNSj6tQ51s1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
    KEY-----",
    "publicKeyFormat" : "string",
    "alignedKeyVersionLifeSpan" : 0
  } ]
}
```


3.37.3. Unwrap AES key

```
POST /v1/domains/{domainId}/keys/symmetric/unwrap
```

Description

Import an externally generated symmetric key into the DSM

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Body	body <i>required</i>	Key material and additional attributes to unwrap AES key	Symmetric key to import

Responses

HTTP Code	Description	Schema
200	successful operation	Key information
201	Success, object or resource created	No Content
400	Unexpected payload, wrong format or bad data	No Content
403	Forbidden, permission denied	No Content
404	Wrapping key or domain not found	No Content
409	Object name already in use	No Content
500	Unexpected server error	No Content
503	Server currently unavailable	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/symmetric/unwrap
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "KeyName",
  "description" : "Description",
  "wrappingKeyId" : 55,
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "secret" :
    "XnevR3nTjTYDt3p1MpxtB4NJZ2z/LBiWqWfKsl/4CGFQwtdabADOA1ZLQbRMPxD3Ve5YeptQ0TGqAg
    ltI86M+/SiCC3eTqgybQs+DyPlvICuNvpkeGrgfjl9oOtuyKTOK3ADVvMa96\n
    iQ5AlHbhaZzPWixEn0sbmRkh00bryMUJlXw7RYLqL9NlpFNArN8C0EQAbAPdxmrjiD32bmAdbPI7QClA
    ryb+srKZVJ//lQjwla2EO/pmdKgNRCrxs89C32vGFerbFKlDEVc6RfajjwCFFiD8aczmL\n
    PNJekLtg7vpod6HYCYkR9dhMGZ29x2iYVlmd9q6AWsQSCCg5J6GsA==",
  "encryptionMode" : "CBC",
  "keyUsage" : "string",
  "type" : "string",
  "hashAlgo" : "string",
  "maskGenHashAlgo" : "string"
}
```

Example HTTP response

Response 200

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGSib3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMSGkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51s1SPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
}

```

3.37.4. Get a symmetric key by ID

```
GET /v1/domains/{domainId}/keys/symmetric/{keyId}
```

Description

Returns the specified symmetric key

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Path	keyId <i>required</i>	Key ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	Key information
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/symmetric/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
  "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
  91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
  \nMIGfDE0GCSqGSIB3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
  FFPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMMSGkVb1/\n
  n3j+skZ6UtW+5u09lHNSj6tQ5ls1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n
  -----END PUBLIC KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
}
```

3.37.5. Update a symmetric key by ID

```
PUT /v1/domains/{domainId}/keys/symmetric/{keyId}
```

Description

Update the symmetric key information

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Path	keyId <i>required</i>	ID of the key to update	integer (int64)
Body	body <i>required</i>	Symmetric key information to update the key	Symmetric key update

Responses

HTTP Code	Description	Schema
200	Success	Key information
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/symmetric/0
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "description" : "Description",
  "expirationTime" : "string",
  "cachedTime" : 10,
  "keyVersionLifeSpan" : 10,
  "keyUsageType" : "string"
}
```

Example HTTP response

Response 200

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGSib3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMSGkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51s1SPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
}

```


3.37.6. Delete a symmetric key by ID

```
DELETE /v1/domains/{domainId}/keys/symmetric/{keyId}
```

Description

The number of deleted keys is provided

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Path	keyId <i>required</i>	Key ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	Number of deleted item
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
409	Object name already in use	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/symmetric/0
```

Example HTTP response

Response 200

```
{  
  "deleted" : 1  
}
```

3.37.7. Rotate a symmetric key

```
POST /v1/domains/{domainId}/keys/symmetric/{keyId}/rotate
```

Description

Rotate a versioned key for LDT

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Path	keyId <i>required</i>	Key ID	integer (int64)
Body	body <i>required</i>	Key rotation information	Key rotation

Responses

HTTP Code	Description	Schema
200	Success	Key information
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/symmetric/0/rotate
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "reason" : "This key has been compromised"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
  "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
  91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
  \nMIGfDE0GCSqGS1b3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
  FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMSGkVb1/\n3j
  +skZ6UtW+5u09lHNSj6tQ51s1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
  KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
}
```

3.37.8. Get a list of symmetric key versions for a specific key

```
GET /v1/domains/{domainId}/keys/symmetric/{keyId}/versions
```

Description

Returns a list of key versions for a specific symmetric key

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)	
Path	keyId <i>required</i>	Key ID	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0

Responses

HTTP Code	Description	Schema
200	Success	List of keys
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Key, version or domain not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/symmetric/0/versions
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "name" : "KeyName",
    "description" : "Description",
    "algorithm" : "string",
    "encryptionMode" : "CBC",
    "keyUsageType" : "string",
    "state" : "ACTIVE",
    "creationTime" : "string",
    "expirationTime" : "string",
    "cachedTime" : 60,
    "source" : "From DSM",
    "domainId" : 3001,
    "keyVersion" : 1,
    "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
    "keyVersionLifeSpan" : 2,
    "numberOfPolicies" : 0,
    "alignUnit" : "D",
    "alignedCachedTime" : 0,
    "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGSIB3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUesmQRMMSGkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51s1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
    "publicKeyFormat" : "string",
    "alignedKeyVersionLifeSpan" : 0
  } ]
}
```

3.37.9. Clone a versioned or non-versioned symmetric key from a key ID and version

```
POST /v1/domains/{domainId}/keys/symmetric/{keyId}/versions/{version}
```

Description

Create a copy of the current version of the specified symmetric key. If the specified key is a non-versioned key, create a copy of the key.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Path	keyId <i>required</i>	Key ID	integer (int64)
Path	version <i>required</i>	Key version ID	integer (int32)
Body	body <i>required</i>	Information to clone versioned or non-versioned symmetric key	Symmetric key to clone

Responses

HTTP Code	Description	Schema
200	Success	Key information
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Key, version or domain not found	No Content
409	Unable to complete request because requested feature(s) is not supported in the current state.	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/symmetric/0/versions/0
```

Request body

```
{  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "description" : "Description",  
  "keyUsageType" : "string",  
  "name" : "KeyName",  
  "expirationTime" : "string",  
  "cachedTime" : 60  
}
```

Example HTTP response

Response 200


```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGSib3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMSGkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51s1SPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
}

```

3.37.10. Get a symmetric key by ID and version

```
GET /v1/domains/{domainId}/keys/symmetric/{keyId}/versions/{version}
```

Description

Returns the specified version of a symmetric key

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Path	keyId <i>required</i>	Key ID	integer (int64)
Path	version <i>required</i>	Key version ID	integer (int32)

Responses

HTTP Code	Description	Schema
200	Success	Key information
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Key, version or domain not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/keys/symmetric/0/versions/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
  "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
  91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
  \nMIGfDE0GCSqGSIB3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
  FFPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMMSGkVb1/\n
  n3j+skZ6UtW+5u09lHNSj6tQ5ls1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n
  -----END PUBLIC KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
}
```

3.38. Symmetric Vault Keys

3.38.1. Add symmetric key to vault

```
POST /v1/domains/{domainId}/keys/vault/symmetric
```

Description

Adds a symmetric key to the key vault

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Body	body <i>required</i>	Information to create a vault symmetric key	VaultSymmetricKeyInfo

Responses

HTTP Code	Description	Schema
200	successful operation	Key information
201	Success, object or resource created	No Content
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
409	Object name already in use	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/vault/symmetric
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "VaultKeyName",
  "description" : "Description",
  "keyString" : "abc123",
  "algorithm" : "string",
  "validateKeyLength" : false,
  "keyTemplateName" : "MyKeyTemplate",
  "creationTime" : "string",
  "expirationTime" : "string"
}
```

Example HTTP response

Response 200

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGSib3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMSGkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51s1SPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
}

```

3.38.2. Get a list of symmetric vault keys

```
GET /v1/domains/{domainId}/keys/vault/symmetric
```

Description

Returns a paginated list of symmetric vault keys in a domain

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	name <i>optional</i>	Name of the symmetric vault key	string	
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of keys
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/vault/symmetric
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "name" : "KeyName",
    "description" : "Description",
    "algorithm" : "string",
    "encryptionMode" : "CBC",
    "keyUsageType" : "string",
    "state" : "ACTIVE",
    "creationTime" : "string",
    "expirationTime" : "string",
    "cachedTime" : 60,
    "source" : "From DSM",
    "domainId" : 3001,
    "keyVersion" : 1,
    "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
    "keyVersionLifeSpan" : 2,
    "numberOfPolicies" : 0,
    "alignUnit" : "D",
    "alignedCachedTime" : 0,
    "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGSIB3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMSGkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51s1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
    "publicKeyFormat" : "string",
    "alignedKeyVersionLifeSpan" : 0
  } ]
}
```


3.38.3. Delete symmetric vault keys

```
DELETE /v1/domains/{domainId}/keys/vault/symmetric
```

Description

Deletes a specific symmetric vault key from a domain

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Body	body <i>required</i>	Key IDs to delete	List of longs

Responses

HTTP Code	Description	Schema
200	Success. Return number of deleted items	Number of deleted items
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/vault/symmetric
```

Request body

```
{  
  "data" : "[ 1000, 1001 ]"  
}
```

Example HTTP response

Response 200

```
{  
  "deleted" : 2  
}
```

3.38.4. Get symmetric vault key

```
GET /v1/domains/{domainId}/keys/vault/symmetric/{keyId}
```

Description

Returns information for a symmetric vault key in a domain.

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Path	keyId <i>required</i>	Key ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	Key information
400	Invalid ID supplied	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/vault/symmetric/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
  "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
  91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
  \nMIGfDE0GCSqGSIB3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
  FFPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMMSGkVb1/\n
  n3j+skZ6UtW+5u09lHNSj6tQ5ls1SPrC3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n
  -----END PUBLIC KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
}
```

3.38.5. Update a symmetric vault key

```
PUT /v1/domains/{domainId}/keys/vault/symmetric/{keyId}
```

Description

Modifies an existing symmetric vault key

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Path	keyId <i>required</i>	Key ID	integer (int64)
Body	body <i>required</i>	Symmetric key information to update the vault key	Vault symmetric key update

Responses

HTTP Code	Description	Schema
200	Success	Key information
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/vault/symmetric/0
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "description" : "Description",
  "expirationTime" : "string"
}
```

Example HTTP response

Response 200

```

{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
  "name" : "KeyName",
  "description" : "Description",
  "algorithm" : "string",
  "encryptionMode" : "CBC",
  "keyUsageType" : "string",
  "state" : "ACTIVE",
  "creationTime" : "string",
  "expirationTime" : "string",
  "cachedTime" : 60,
  "source" : "From DSM",
  "domainId" : 3001,
  "keyVersion" : 1,
  "keyHash" :
"22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a
91120617b4ec8dd81",
  "keyVersionLifeSpan" : 2,
  "numberOfPolicies" : 0,
  "alignUnit" : "D",
  "alignedCachedTime" : 0,
  "publicKey" : "-----BEGIN PUBLIC KEY-----
\nMIGfDE0GCSqGSib3DQEBAQUAA4GNADCBiQKBgQCqGKukO1De7zhZj6+H0qtjTkVxwTCpvKe4eCZ0\n
FPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjDOL5UlsuusFncCzWBW3RKNUSesmQRMSGkVb1/\n3j
+skZ6UtW+5u09lHNSj6tQ51s1SPrc3kedbNf0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC
KEY-----",
  "publicKeyFormat" : "string",
  "alignedKeyVersionLifeSpan" : 0
}

```

3.38.6. Delete symmetric vault key

```
DELETE /v1/domains/{domainId}/keys/vault/symmetric/{keyId}
```

Description

Deletes a specific symmetric vault key from a domain

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of the key	integer (int64)
Path	keyId <i>required</i>	Key ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success. Return number of deleted items	Number of deleted item
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/1000/keys/vault/symmetric/0
```

Example HTTP response

Response 200

```
{  
  "deleted" : 1  
}
```

3.39. Syslog

3.39.1. Create syslog for domain

```
POST /v1/domains/{domainId}/syslog
```

Description

Create syslog

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID for the syslog	integer (int64)
Body	body <i>required</i>	Syslog for domain creation information	Syslog creation information

Responses

HTTP Code	Description	Schema
200	successful operation	Syslog response
201	Success, object or resource created	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Syslog name already exists. Please specify a different name	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/syslog
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "TestValue",
  "networkProtocol" : "UDP",
  "syslogPort" : 8050,
  "syslogPattern" : "PLAIN_MESSAGE",
  "certificate" : "Certificate (Base64 encoded)"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "name" : "Name",
  "domainId" : 3001,
  "networkProtocol" : "UDP",
  "syslogStatus" : "Status",
  "connectTimeout" : 60,
  "syslogPort" : 10000,
  "lastUpdated" : "string",
  "syslogPattern" : "PLAIN_MESSAGE"
}
```

3.39.2. Get syslog list for domain

```
GET /v1/domains/{domainId}/syslog
```

Description

Returns a paginated list of information for all available syslog

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	Domain ID for the syslog	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"name"

Responses

HTTP Code	Description	Schema
200	Success	List of SyslogInfo
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/syslog
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "name" : "Name",
    "domainId" : 3001,
    "networkProtocol" : "UDP",
    "syslogStatus" : "Status",
    "connectTimeout" : 60,
    "syslogPort" : 10000,
    "lastUpdated" : "string",
    "syslogPattern" : "PLAIN_MESSAGE"
  } ]
}
```

3.39.3. Get syslog for domain by syslogId

```
GET /v1/domains/{domainId}/syslog/{syslogId}
```

Description

Get syslog by syslogId

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID for the syslog	integer (int64)
Path	syslogId <i>required</i>	Syslog ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	Syslog response
400	Invalid syslogId supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/syslog/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "name" : "Name",
  "domainId" : 3001,
  "networkProtocol" : "UDP",
  "syslogStatus" : "Status",
  "connectTimeout" : 60,
  "syslogPort" : 10000,
  "lastUpdated" : "string",
  "syslogPattern" : "PLAIN_MESSAGE"
}
```

3.39.4. Delete specific syslog for domain

```
DELETE /v1/domains/{domainId}/syslog/{syslogId}
```

Description

Delete specific syslog for domain

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID for the syslog	integer (int64)
Path	syslogId <i>required</i>	Syslog ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	Number of deleted item
400	Invalid syslogId supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/syslog/0
```

Example HTTP response

Response 200

```
{  
  "deleted" : 1  
}
```

3.39.5. Create syslog for system

POST /v1/syslog

Description

Create syslog

Parameters

Type	Name	Description	Schema
Body	body <i>required</i>	Syslog for domain creation information	Syslog creation information

Responses

HTTP Code	Description	Schema
200	successful operation	Syslog response
201	Success, object or resource created	No Content
400	Invalid JSON input	No Content
401	Insufficient Privileges to perform this action	No Content
403	Forbidden, permission denied	No Content
404	Syslog name already exists. Please specify a different name	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/syslog
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "name" : "TestValue",
  "networkProtocol" : "UDP",
  "syslogPort" : 8050,
  "syslogPattern" : "PLAIN_MESSAGE",
  "certificate" : "Certificate (Base64 encoded)"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "name" : "Name",
  "domainId" : 3001,
  "networkProtocol" : "UDP",
  "syslogStatus" : "Status",
  "connectTimeout" : 60,
  "syslogPort" : 10000,
  "lastUpdated" : "string",
  "syslogPattern" : "PLAIN_MESSAGE"
}
```

3.39.6. Get syslog list for system

```
GET /v1/syslog
```

Description

Returns a paginated list of information for all available syslog

Parameters

Type	Name	Description	Schema	Default
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"name"

Responses

HTTP Code	Description	Schema
200	Success	List of SyslogInfo
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/syslog
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "name" : "Name",
    "domainId" : 3001,
    "networkProtocol" : "UDP",
    "syslogStatus" : "Status",
    "connectTimeout" : 60,
    "syslogPort" : 10000,
    "lastUpdated" : "string",
    "syslogPattern" : "PLAIN_MESSAGE"
  } ]
}
```

3.39.7. Get syslog for system by syslogId

```
GET /v1/syslog/{syslogId}
```

Description

Get syslog by syslogId

Parameters

Type	Name	Description	Schema
Path	syslogId <i>required</i>	Syslog ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	Syslog response
400	Invalid syslogId supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/syslog/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "name" : "Name",
  "domainId" : 3001,
  "networkProtocol" : "UDP",
  "syslogStatus" : "Status",
  "connectTimeout" : 60,
  "syslogPort" : 10000,
  "lastUpdated" : "string",
  "syslogPattern" : "PLAIN_MESSAGE"
}
```

3.39.8. Delete specific syslog for system

```
DELETE /v1/syslog/{syslogId}
```

Description

Delete specific syslog for system

Parameters

Type	Name	Description	Schema
Path	syslogId <i>required</i>	Syslog ID	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	Number of deleted item
400	Invalid syslogId supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/syslog/0
```

Example HTTP response

Response 200

```
{  
  "deleted" : 1  
}
```

3.40. System Configuration

3.40.1. Returns the DSM security certificate.

```
GET /v1/system/cert
```

Description

Returns the DSM security certificate.

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Unexpected payload, wrong format or bad data	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Produces

- application/octet-stream

Example HTTP request

Request path

```
/v1/system/cert
```

3.40.2. Returns complete DSM configuration information.

```
GET /v1/system/configs
```

Description

Returns all of the DSM configuration information such as system, host, interface, gateway config, etc

Responses

HTTP Code	Description	Schema
200	Success	InitialConfigInfo
400	Unexpected payload, wrong format or bad data	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/system/configs
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "systemConfig" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "hostName" : "host1",
    "sshBanner" : "Welcome to the Vormetric Data Security Manager.",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "serialNumber" : "999X904999",
    "partNumber" : "30-1000005-30",
    "upTime" : "11:53:19 up 1:33, 1000 users, load average: 1.04, 1.11, 1.17",
    "onVirtualMachine" : true,
    "hsm" : "string"
  },
  "hostConfig" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "add" : "{ 'dsm1': '127.0.0.5', 'dsm2': '127.0.0.3' }",
    "delete" : "[ 'host2' ]",
    "hosts" : "{ 'dsm3': '127.0.0.2', 'dsm4': '127.0.0.4' }"
  },
  "interfaceConfig" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "init" : [ {
      "id" : 1000,
      "url" : "/v1/admins/1000",
      "createdAt" : "string",
      "updatedAt" : "string",
      "ip" : "10.3.110.104",
      "subnetMask" : "255.0.0.0",
      "ipv6" : "2018:2018:2018:2018:2018:2018:2018:2018",
      "v6SubnetMask" : "255.0.0.1",
      "label" : "group1",
      "interface" : "eth0"
    }
  ]
}
```

```

    } ],
    "add" : [ {
        "id" : 1000,
        "url" : "/v1/admins/1000",
        "createdAt" : "string",
        "updatedAt" : "string",
        "ip" : "10.3.110.104",
        "subnetMask" : "255.0.0.0",
        "ipv6" : "2018:2018:2018:2018:2018:2018:2018:2018",
        "v6SubnetMask" : "255.0.0.1",
        "label" : "group1",
        "interface" : "eth0"
    } ],
    "delete" : [ {
        "id" : 1000,
        "url" : "/v1/admins/1000",
        "createdAt" : "string",
        "updatedAt" : "string",
        "ip" : "10.3.110.104",
        "subnetMask" : "255.0.0.0",
        "ipv6" : "2018:2018:2018:2018:2018:2018:2018:2018",
        "v6SubnetMask" : "255.0.0.1",
        "label" : "group1",
        "interface" : "eth0"
    } ],
    "flush" : [ {
        "id" : 1000,
        "url" : "/v1/admins/1000",
        "createdAt" : "string",
        "updatedAt" : "string",
        "ip" : "10.3.110.104",
        "subnetMask" : "255.0.0.0",
        "ipv6" : "2018:2018:2018:2018:2018:2018:2018:2018",
        "v6SubnetMask" : "255.0.0.1",
        "label" : "group1",
        "interface" : "eth0"
    } ],
    "interfaces" : [ {
        "id" : 1000,
        "url" : "/v1/admins/1000",
        "createdAt" : "string",
        "updatedAt" : "string",
        "prefix" : "10.3.110.104/16",
        "broadcast" : "10.1.255.255",
        "label" : "group1",
        "interface" : "eth0"
    } ]
},
"gatewayConfig" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "add" : [ {
        "id" : 1000,
        "url" : "/v1/admins/1000",
        "createdAt" : "string",
        "updatedAt" : "string",

```

```

"isDefault" : true,
"route" : "default via 10.1.1.254 dev eth0",
"via" : {
  "canonicalHostName" : "string",
  "address" : [ "string" ],
  "hostAddress" : "string",
  "hostName" : "string",
  "anyLocalAddress" : true,
  "linkLocalAddress" : true,
  "loopbackAddress" : true,
  "mcglobal" : true,
  "mclinkLocal" : true,
  "mcnodeLocal" : true,
  "mcorgLocal" : true,
  "mcsiteLocal" : true,
  "multicastAddress" : true,
  "siteLocalAddress" : true
},
"source" : {
  "canonicalHostName" : "string",
  "address" : [ "string" ],
  "hostAddress" : "string",
  "hostName" : "string",
  "anyLocalAddress" : true,
  "linkLocalAddress" : true,
  "loopbackAddress" : true,
  "mcglobal" : true,
  "mclinkLocal" : true,
  "mcnodeLocal" : true,
  "mcorgLocal" : true,
  "mcsiteLocal" : true,
  "multicastAddress" : true,
  "siteLocalAddress" : true
},
"interface" : "string"
} ],
"delete" : [ {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "isDefault" : true,
  "route" : "default via 10.1.1.254 dev eth0",
  "via" : {
    "canonicalHostName" : "string",
    "address" : [ "string" ],
    "hostAddress" : "string",
    "hostName" : "string",
    "anyLocalAddress" : true,
    "linkLocalAddress" : true,
    "loopbackAddress" : true,
    "mcglobal" : true,
    "mclinkLocal" : true,
    "mcnodeLocal" : true,
    "mcorgLocal" : true,
    "mcsiteLocal" : true,
    "multicastAddress" : true,
    "siteLocalAddress" : true
  }
} ]

```

```

    },
    "source" : {
      "canonicalHostName" : "string",
      "address" : [ "string" ],
      "hostAddress" : "string",
      "hostName" : "string",
      "anyLocalAddress" : true,
      "linkLocalAddress" : true,
      "loopbackAddress" : true,
      "mcglobal" : true,
      "mclinkLocal" : true,
      "mcnodeLocal" : true,
      "mcorgLocal" : true,
      "mcsiteLocal" : true,
      "multicastAddress" : true,
      "siteLocalAddress" : true
    },
    "interface" : "string"
  } ],
  "replace" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "isDefault" : true,
    "route" : "default via 10.1.1.254 dev eth0",
    "via" : {
      "canonicalHostName" : "string",
      "address" : [ "string" ],
      "hostAddress" : "string",
      "hostName" : "string",
      "anyLocalAddress" : true,
      "linkLocalAddress" : true,
      "loopbackAddress" : true,
      "mcglobal" : true,
      "mclinkLocal" : true,
      "mcnodeLocal" : true,
      "mcorgLocal" : true,
      "mcsiteLocal" : true,
      "multicastAddress" : true,
      "siteLocalAddress" : true
    },
    "source" : {
      "canonicalHostName" : "string",
      "address" : [ "string" ],
      "hostAddress" : "string",
      "hostName" : "string",
      "anyLocalAddress" : true,
      "linkLocalAddress" : true,
      "loopbackAddress" : true,
      "mcglobal" : true,
      "mclinkLocal" : true,
      "mcnodeLocal" : true,
      "mcorgLocal" : true,
      "mcsiteLocal" : true,
      "multicastAddress" : true,
      "siteLocalAddress" : true
    }
  },

```



```

    "interface" : "string"
  } ],
  "gateways" : ["Main routing table", 'default via 100.1.1.254 dev eth0']"
},
"certificateAuthorityConfig" : {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "hostName" : "host1",
  "organizationUnit" : "Shipping",
  "organization" : "Acme Inc.",
  "city" : "San Jose",
  "state" : "CA",
  "email" : "user@company.com",
  "country" : "US"
},
"dateTimeConfig" : {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "timezone" : "US/Pacific",
  "date" : "12/31/2018",
  "time" : "10:59:59",
  "now" : "2018-04-27 11:02:32.679"
},
"dnsConfig" : {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "enabled" : true,
  "clear" : true,
  "searchDomain" : "dsm",
  "nameServers" : "{ 'dns1': '10.0.0.1' }",
  "message" : "Include info"
},
"ntpConfig" : {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "sync" : true,
  "enabled" : true,
  "add" : "{ 'server': '127.127.1.1' }",
  "delete" : "{ 'server': '127.127.1.1' }",
  "servers" : "{ 'server': '127.127.1.1' }"
},
"ipLinkConfig" : {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "ipLinks" : "{ 'dsm1': '127.0.0.5', 'dsm2': '127.0.0.3' }",
  "set" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",

```

```

    "createdAt" : "string",
    "updatedAt" : "string",
    "state" : "string",
    "mtu" : 4,
    "speed" : "string",
    "mode" : 0,
    "pdelay" : 0,
    "xmithashpolicy" : "string",
    "interface" : "eth0"
  } ]
},
"dhcpConfig" : {
  "dhcp" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "device" : "string",
    "active" : true,
    "dhcpV4" : true,
    "dhcpV4Address" : "10.3.110.104",
    "dhcpV6" : true,
    "dhcpV6Address" : "2018:2018:2018:2018:2018:2018:2018:2018"
  } ],
  "set" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "version" : "string",
    "command" : "string",
    "dhcpinterface" : "string"
  },
  "response" : "success"
}
}

```

3.40.3. Manage and configure the DSM server system configuration options

```
POST /v1/system/configs/{option}
```

Description

This is a complex API. You can set system configuration values such as hostname and part number; you can add/remove hosts, and configure network settings such as: IP address, gateway, NTP, date, time, DNS, CA role and DHCP.

Parameters

Type	Name	Description	Schema
Path	<i>option required</i>	Configuration category. Possible values are: system, host, network, iplink, gateway, ntp, datetime, dns, ca, role and dhcp.	enum (system, host, network, iplink, gateway, ntp, datetime, dns, ca, role, dhcp)
Body	<i>body optional</i>	System configuration payload	InitialConfigInfo

Responses

HTTP Code	Description	Schema
201	Success, object or resource created	No Content
202	Success, request accepted	No Content
400	Unexpected payload, wrong format or bad data	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content
503	Server currently unavailable	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/system/configs/string
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "systemConfig" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "hostName" : "host1",
    "sshBanner" : "Welcome to the Vormetric Data Security Manager.",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "serialNumber" : "999X904999",
    "partNumber" : "30-1000005-30",
    "upTime" : "11:53:19 up 1:33, 1000 users, load average: 1.04, 1.11, 1.17",
    "onVirtualMachine" : true,
    "hsm" : "string"
  },
  "hostConfig" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "add" : "{ 'dsm1': '127.0.0.5', 'dsm2': '127.0.0.3' }",
    "delete" : "[ 'host2' ]",
    "hosts" : "{ 'dsm3': '127.0.0.2', 'dsm4': '127.0.0.4' }"
  },
  "interfaceConfig" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "init" : [ {
      "id" : 1000,
      "url" : "/v1/admins/1000",
      "createdAt" : "string",
      "updatedAt" : "string",
      "ip" : "10.3.110.104",
      "subnetMask" : "255.0.0.0",
      "ipv6" : "2018:2018:2018:2018:2018:2018:2018:2018",
      "v6SubnetMask" : "255.0.0.1",
      "label" : "group1",
      "interface" : "eth0"
    } ],
    "add" : [ {
```

```

    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "ip" : "10.3.110.104",
    "subnetMask" : "255.0.0.0",
    "ipv6" : "2018:2018:2018:2018:2018:2018:2018:2018",
    "v6SubnetMask" : "255.0.0.1",
    "label" : "group1",
    "interface" : "eth0"
  } ],
  "delete" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "ip" : "10.3.110.104",
    "subnetMask" : "255.0.0.0",
    "ipv6" : "2018:2018:2018:2018:2018:2018:2018:2018",
    "v6SubnetMask" : "255.0.0.1",
    "label" : "group1",
    "interface" : "eth0"
  } ],
  "flush" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "ip" : "10.3.110.104",
    "subnetMask" : "255.0.0.0",
    "ipv6" : "2018:2018:2018:2018:2018:2018:2018:2018",
    "v6SubnetMask" : "255.0.0.1",
    "label" : "group1",
    "interface" : "eth0"
  } ],
  "interfaces" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "prefix" : "10.3.110.104/16",
    "broadcast" : "10.1.255.255",
    "label" : "group1",
    "interface" : "eth0"
  } ],
},
"gatewayConfig" : {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "add" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "isDefault" : true,
    "route" : "default via 10.1.1.254 dev eth0",

```

```

"via" : {
  "canonicalHostName" : "string",
  "address" : [ "string" ],
  "hostAddress" : "string",
  "hostName" : "string",
  "anyLocalAddress" : true,
  "linkLocalAddress" : true,
  "loopbackAddress" : true,
  "mcglobal" : true,
  "mclinkLocal" : true,
  "mcnodeLocal" : true,
  "mcorgLocal" : true,
  "mcsiteLocal" : true,
  "multicastAddress" : true,
  "siteLocalAddress" : true
},
"source" : {
  "canonicalHostName" : "string",
  "address" : [ "string" ],
  "hostAddress" : "string",
  "hostName" : "string",
  "anyLocalAddress" : true,
  "linkLocalAddress" : true,
  "loopbackAddress" : true,
  "mcglobal" : true,
  "mclinkLocal" : true,
  "mcnodeLocal" : true,
  "mcorgLocal" : true,
  "mcsiteLocal" : true,
  "multicastAddress" : true,
  "siteLocalAddress" : true
},
"interface" : "string"
} ],
"delete" : [ {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "isDefault" : true,
  "route" : "default via 10.1.1.254 dev eth0",
  "via" : {
    "canonicalHostName" : "string",
    "address" : [ "string" ],
    "hostAddress" : "string",
    "hostName" : "string",
    "anyLocalAddress" : true,
    "linkLocalAddress" : true,
    "loopbackAddress" : true,
    "mcglobal" : true,
    "mclinkLocal" : true,
    "mcnodeLocal" : true,
    "mcorgLocal" : true,
    "mcsiteLocal" : true,
    "multicastAddress" : true,
    "siteLocalAddress" : true
  },
  "source" : {

```

```

    "canonicalHostName" : "string",
    "address" : [ "string" ],
    "hostAddress" : "string",
    "hostName" : "string",
    "anyLocalAddress" : true,
    "linkLocalAddress" : true,
    "loopbackAddress" : true,
    "mcglobal" : true,
    "mclinkLocal" : true,
    "mcnodeLocal" : true,
    "mcorgLocal" : true,
    "mcsiteLocal" : true,
    "multicastAddress" : true,
    "siteLocalAddress" : true
  },
  "interface" : "string"
} ],
"replace" : [ {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "isDefault" : true,
  "route" : "default via 10.1.1.254 dev eth0",
  "via" : {
    "canonicalHostName" : "string",
    "address" : [ "string" ],
    "hostAddress" : "string",
    "hostName" : "string",
    "anyLocalAddress" : true,
    "linkLocalAddress" : true,
    "loopbackAddress" : true,
    "mcglobal" : true,
    "mclinkLocal" : true,
    "mcnodeLocal" : true,
    "mcorgLocal" : true,
    "mcsiteLocal" : true,
    "multicastAddress" : true,
    "siteLocalAddress" : true
  },
  "source" : {
    "canonicalHostName" : "string",
    "address" : [ "string" ],
    "hostAddress" : "string",
    "hostName" : "string",
    "anyLocalAddress" : true,
    "linkLocalAddress" : true,
    "loopbackAddress" : true,
    "mcglobal" : true,
    "mclinkLocal" : true,
    "mcnodeLocal" : true,
    "mcorgLocal" : true,
    "mcsiteLocal" : true,
    "multicastAddress" : true,
    "siteLocalAddress" : true
  },
  "interface" : "string"
} ],

```

```

    "gateways" : ["Main routing table", "default via 100.1.1.254 dev eth0"]
  },
  "certificateAuthorityConfig" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "hostName" : "host1",
    "organizationUnit" : "Shipping",
    "organization" : "Acme Inc.",
    "city" : "San Jose",
    "state" : "CA",
    "email" : "user@company.com",
    "country" : "US"
  },
  "dateTimeConfig" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "timezone" : "US/Pacific",
    "date" : "12/31/2018",
    "time" : "10:59:59",
    "now" : "2018-04-27 11:02:32.679"
  },
  "dnsConfig" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "enabled" : true,
    "clear" : true,
    "searchDomain" : "dsm",
    "nameServers" : "{ 'dns1': '10.0.0.1' }",
    "message" : "Include info"
  },
  "ntpConfig" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "sync" : true,
    "enabled" : true,
    "add" : "{ 'server': '127.127.1.1' }",
    "delete" : "{ 'server': '127.127.1.1' }",
    "servers" : "{ 'server': '127.127.1.1' }"
  },
  "ipLinkConfig" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "ipLinks" : "{ 'dsm1': '127.0.0.5', 'dsm2': '127.0.0.3' }",
    "set" : [ {
      "id" : 1000,
      "url" : "/v1/admins/1000",
      "createdAt" : "string",
      "updatedAt" : "string",

```



```

    "state" : "string",
    "mtu" : 4,
    "speed" : "string",
    "mode" : 0,
    "pdelay" : 0,
    "xmithashpolicy" : "string",
    "interface" : "eth0"
  } ]
},
"dhcpConfig" : {
  "dhcp" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "device" : "string",
    "active" : true,
    "dhcpV4" : true,
    "dhcpV4Address" : "10.3.110.104",
    "dhcpV6" : true,
    "dhcpV6Address" : "2018:2018:2018:2018:2018:2018:2018:2018"
  } ],
  "set" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "version" : "string",
    "command" : "string",
    "dhcpinterface" : "string"
  },
  "response" : "success"
}
}

```

3.40.4. Get configuration information

```
GET /v1/system/configs/{option}
```

Description

Returns configuration information for a specific option e.g. role, gateway, certificate authority (CA) and so on.

Parameters

Type	Name	Description	Schema
Path	<i>option required</i>	Configuration category. Possible values are: system, host, network, iplink, gateway, ntp, datetime, dns, ca, role and dhcp.	enum (system, host, network, iplink, gateway, ntp, datetime, dns, ca, role, dhcp)

Responses

HTTP Code	Description	Schema
200	Success	InitialConfigInfo
400	Unexpected payload, wrong format or bad data	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/system/configs/string
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "systemConfig" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "hostName" : "host1",
    "sshBanner" : "Welcome to the Vormetric Data Security Manager.",
    "uuid" : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1",
    "serialNumber" : "999X904999",
    "partNumber" : "30-1000005-30",
    "upTime" : "11:53:19 up 1:33, 1000 users, load average: 1.04, 1.11, 1.17",
    "onVirtualMachine" : true,
    "hsm" : "string"
  },
  "hostConfig" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "add" : "{ 'dsm1': '127.0.0.5', 'dsm2': '127.0.0.3' }",
    "delete" : "[ 'host2' ]",
    "hosts" : "{ 'dsm3': '127.0.0.2', 'dsm4': '127.0.0.4' }"
  },
  "interfaceConfig" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "init" : [ {
      "id" : 1000,
      "url" : "/v1/admins/1000",
      "createdAt" : "string",
      "updatedAt" : "string",
      "ip" : "10.3.110.104",
      "subnetMask" : "255.0.0.0",
      "ipv6" : "2018:2018:2018:2018:2018:2018:2018:2018",
      "v6SubnetMask" : "255.0.0.1",
      "label" : "group1",
      "interface" : "eth0"
    }
  ]
}
```

```

    } ],
    "add" : [ {
      "id" : 1000,
      "url" : "/v1/admins/1000",
      "createdAt" : "string",
      "updatedAt" : "string",
      "ip" : "10.3.110.104",
      "subnetMask" : "255.0.0.0",
      "ipv6" : "2018:2018:2018:2018:2018:2018:2018:2018",
      "v6SubnetMask" : "255.0.0.1",
      "label" : "group1",
      "interface" : "eth0"
    } ],
    "delete" : [ {
      "id" : 1000,
      "url" : "/v1/admins/1000",
      "createdAt" : "string",
      "updatedAt" : "string",
      "ip" : "10.3.110.104",
      "subnetMask" : "255.0.0.0",
      "ipv6" : "2018:2018:2018:2018:2018:2018:2018:2018",
      "v6SubnetMask" : "255.0.0.1",
      "label" : "group1",
      "interface" : "eth0"
    } ],
    "flush" : [ {
      "id" : 1000,
      "url" : "/v1/admins/1000",
      "createdAt" : "string",
      "updatedAt" : "string",
      "ip" : "10.3.110.104",
      "subnetMask" : "255.0.0.0",
      "ipv6" : "2018:2018:2018:2018:2018:2018:2018:2018",
      "v6SubnetMask" : "255.0.0.1",
      "label" : "group1",
      "interface" : "eth0"
    } ],
    "interfaces" : [ {
      "id" : 1000,
      "url" : "/v1/admins/1000",
      "createdAt" : "string",
      "updatedAt" : "string",
      "prefix" : "10.3.110.104/16",
      "broadcast" : "10.1.255.255",
      "label" : "group1",
      "interface" : "eth0"
    } ]
  },
  "gatewayConfig" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "add" : [ {
      "id" : 1000,
      "url" : "/v1/admins/1000",
      "createdAt" : "string",
      "updatedAt" : "string",

```

```

"isDefault" : true,
"route" : "default via 10.1.1.254 dev eth0",
"via" : {
  "canonicalHostName" : "string",
  "address" : [ "string" ],
  "hostAddress" : "string",
  "hostName" : "string",
  "anyLocalAddress" : true,
  "linkLocalAddress" : true,
  "loopbackAddress" : true,
  "mcglobal" : true,
  "mclinkLocal" : true,
  "mcnodeLocal" : true,
  "mcorgLocal" : true,
  "mcsiteLocal" : true,
  "multicastAddress" : true,
  "siteLocalAddress" : true
},
"source" : {
  "canonicalHostName" : "string",
  "address" : [ "string" ],
  "hostAddress" : "string",
  "hostName" : "string",
  "anyLocalAddress" : true,
  "linkLocalAddress" : true,
  "loopbackAddress" : true,
  "mcglobal" : true,
  "mclinkLocal" : true,
  "mcnodeLocal" : true,
  "mcorgLocal" : true,
  "mcsiteLocal" : true,
  "multicastAddress" : true,
  "siteLocalAddress" : true
},
"interface" : "string"
} ],
"delete" : [ {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "isDefault" : true,
  "route" : "default via 10.1.1.254 dev eth0",
  "via" : {
    "canonicalHostName" : "string",
    "address" : [ "string" ],
    "hostAddress" : "string",
    "hostName" : "string",
    "anyLocalAddress" : true,
    "linkLocalAddress" : true,
    "loopbackAddress" : true,
    "mcglobal" : true,
    "mclinkLocal" : true,
    "mcnodeLocal" : true,
    "mcorgLocal" : true,
    "mcsiteLocal" : true,
    "multicastAddress" : true,
    "siteLocalAddress" : true
  }
} ]

```

```

    },
    "source" : {
      "canonicalHostName" : "string",
      "address" : [ "string" ],
      "hostAddress" : "string",
      "hostName" : "string",
      "anyLocalAddress" : true,
      "linkLocalAddress" : true,
      "loopbackAddress" : true,
      "mcglobal" : true,
      "mclinkLocal" : true,
      "mcnodeLocal" : true,
      "mcorgLocal" : true,
      "mcsiteLocal" : true,
      "multicastAddress" : true,
      "siteLocalAddress" : true
    },
    "interface" : "string"
  } ],
  "replace" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "isDefault" : true,
    "route" : "default via 10.1.1.254 dev eth0",
    "via" : {
      "canonicalHostName" : "string",
      "address" : [ "string" ],
      "hostAddress" : "string",
      "hostName" : "string",
      "anyLocalAddress" : true,
      "linkLocalAddress" : true,
      "loopbackAddress" : true,
      "mcglobal" : true,
      "mclinkLocal" : true,
      "mcnodeLocal" : true,
      "mcorgLocal" : true,
      "mcsiteLocal" : true,
      "multicastAddress" : true,
      "siteLocalAddress" : true
    },
    "source" : {
      "canonicalHostName" : "string",
      "address" : [ "string" ],
      "hostAddress" : "string",
      "hostName" : "string",
      "anyLocalAddress" : true,
      "linkLocalAddress" : true,
      "loopbackAddress" : true,
      "mcglobal" : true,
      "mclinkLocal" : true,
      "mcnodeLocal" : true,
      "mcorgLocal" : true,
      "mcsiteLocal" : true,
      "multicastAddress" : true,
      "siteLocalAddress" : true
    }
  },

```

```

    "interface" : "string"
  } ],
  "gateways" : ["Main routing table", 'default via 100.1.1.254 dev eth0']"
},
"certificateAuthorityConfig" : {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "hostName" : "host1",
  "organizationUnit" : "Shipping",
  "organization" : "Acme Inc.",
  "city" : "San Jose",
  "state" : "CA",
  "email" : "user@company.com",
  "country" : "US"
},
"dateTimeConfig" : {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "timezone" : "US/Pacific",
  "date" : "12/31/2018",
  "time" : "10:59:59",
  "now" : "2018-04-27 11:02:32.679"
},
"dnsConfig" : {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "enabled" : true,
  "clear" : true,
  "searchDomain" : "dsm",
  "nameServers" : "{ 'dns1': '10.0.0.1' }",
  "message" : "Include info"
},
"ntpConfig" : {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "sync" : true,
  "enabled" : true,
  "add" : "{ 'server': '127.127.1.1' }",
  "delete" : "{ 'server': '127.127.1.1' }",
  "servers" : "{ 'server': '127.127.1.1' }"
},
"ipLinkConfig" : {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "ipLinks" : "{ 'dsm1': '127.0.0.5', 'dsm2': '127.0.0.3' }",
  "set" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",

```

```

    "createdAt" : "string",
    "updatedAt" : "string",
    "state" : "string",
    "mtu" : 4,
    "speed" : "string",
    "mode" : 0,
    "pdelay" : 0,
    "xmithashpolicy" : "string",
    "interface" : "eth0"
  } ]
},
"dhcpConfig" : {
  "dhcp" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "device" : "string",
    "active" : true,
    "dhcpV4" : true,
    "dhcpV4Address" : "10.3.110.104",
    "dhcpV6" : true,
    "dhcpV6Address" : "2018:2018:2018:2018:2018:2018:2018:2018"
  } ],
  "set" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "version" : "string",
    "command" : "string",
    "dhcpinterface" : "string"
  },
  "response" : "success"
}
}

```


3.40.5. Configure a specific DSM control.

```
POST /v1/system/controls/{option}
```

Description

Enable reboot or shutdown of the DSM appliance. Setting restart to true restarts the DSM server software. Note that if you generate or regenerate the CA, the DSM will restart.

Parameters

Type	Name	Description	Schema
Path	<i>option required</i>	Configuration category. Possible values are system and server.	enum (system, server)
Body	<i>body required</i>	Control body	ControlInfo

Responses

HTTP Code	Description	Schema
200	Success	< object > array
400	Unexpected payload, wrong format or bad data	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/system/controls/string
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "systemControl" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "reboot" : true,
    "shutdown" : true
  },
  "serverControl" : {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "restart" : true
  }
}
```

Example HTTP response

Response 200

```
[ "object" ]
```

3.40.6. Returns the KMIP Trusted CA Certificates details.

```
GET /v1/system/kmipcert
```

Description

Returns the KMIP Trusted CA Certificates details.

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Unexpected payload, wrong format or bad data	No Content
403	Forbidden, permission denied	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/system/kmipcert
```

3.40.7. Download Trusted CA Certificates

```
GET /v1/system/kmipcert/{kmipCertId}
```

Description

Download Trusted CA Certificates

Parameters

Type	Name	Description	Schema
Path	kmipCertId <i>required</i>	kmipCertId	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	Number of deleted item
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/octet-stream

Example HTTP request

Request path

```
/v1/system/kmipcert/0
```

Example HTTP response

Response 200

```
{  
  "deleted" : 1  
}
```

3.40.8. Delete Trusted CA Certificates

```
DELETE /v1/system/kmipcert/{kmipCertId}
```

Description

Delete Trusted CA Certificates

Parameters

Type	Name	Description	Schema
Path	kmipCertId <i>required</i>	kmipCertId	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	Number of deleted item
401	Insufficient Privileges to perform this action	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/system/kmipcert/0
```

Example HTTP response

Response 200

```
{  
  "deleted" : 1  
}
```


3.41. Time Sets

3.41.1. Create a time set

```
POST /v1/domains/{domainId}/timesets
```

Description

A Time Set is a named collection of times when GuardPoint access is permitted or denied

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of domain to which time set belongs	integer (int64)
Body	body <i>required</i>	TimeSetInfo to create time set	TimeSetInfo

Responses

HTTP Code	Description	Schema
200	successful operation	TimeSetInfo
201	Success, object or resource created	No Content
400	Invalid input names	No Content
401	Insufficient Privileges to perform this action	No Content
404	Time set not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/timesets
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "times" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "fromDay" : "string",
    "toDay" : "string",
    "fromDate" : "string",
    "toDate" : "string",
    "fromTime" : "string",
    "toTime" : "string"
  } ]
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "times" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "fromDay" : "string",
    "toDay" : "string",
    "fromDate" : "string",
    "toDate" : "string",
    "fromTime" : "string",
    "toTime" : "string"
  } ]
}
```

3.41.2. Get time sets by filter

```
GET /v1/domains/{domainId}/timesets
```

Description

Returns a list of filtered time sets

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	ID of domain to which time set belongs	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	< TimeSetInfo > array
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/timesets
```

Example HTTP response

Response 200

```
[ {  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "domainId" : 1000,  
  "name" : "Set1",  
  "description" : "This is the set created for a policy",  
  "times" : [ {  
    "id" : 1000,  
    "url" : "/v1/admins/1000",  
    "createdAt" : "string",  
    "updatedAt" : "string",  
    "fromDay" : "string",  
    "toDay" : "string",  
    "fromDate" : "string",  
    "toDate" : "string",  
    "fromTime" : "string",  
    "toTime" : "string"  
  } ]  
} ]
```

3.41.3. Delete time set by name

```
DELETE /v1/domains/{domainId}/timesets
```

Description

Multiple names can be provided with comma-separated strings

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of domain to which time set belongs	integer (int64)
Body	body <i>required</i>	time set names to delete	List of strings

Responses

HTTP Code	Description	Schema
200	Success. Return number of deleted items	Number of deleted items
400	Invalid input names	No Content
401	Insufficient Privileges to perform this action	No Content
404	Time set not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/timesets
```

Request body

```
{  
  "data" : "[ 'name1', 'name2' ]"  
}
```

Example HTTP response

Response 200

```
{  
  "deleted" : 2  
}
```

3.41.4. Get time set by ID

```
GET /v1/domains/{domainId}/timesets/{id}
```

Description

Get information for a specific time set

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of domain to which time set belongs	integer (int64)
Path	id <i>required</i>	TimeSet id	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	TimeSetInfo
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Time set not found by ID	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/timesets/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "times" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "fromDay" : "string",
    "toDay" : "string",
    "fromDate" : "string",
    "toDate" : "string",
    "fromTime" : "string",
    "toTime" : "string"
  } ]
}
```

3.41.5. Update a time set

```
PUT /v1/domains/{domainId}/timesets/{id}
```

Description

Update a time set for a policy

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of domain to which time set belongs	integer (int64)
Path	id <i>required</i>	TimeSet id	integer (int64)
Body	body <i>required</i>	Time set information used for updating	TimeSetInfo

Responses

HTTP Code	Description	Schema
200	Success	TimeSetInfo
400	Invalid input names	No Content
401	Insufficient Privileges to perform this action	No Content
404	Time set not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/timesets/0
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "times" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "fromDay" : "string",
    "toDay" : "string",
    "fromDate" : "string",
    "toDate" : "string",
    "fromTime" : "string",
    "toTime" : "string"
  } ]
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "times" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "fromDay" : "string",
    "toDay" : "string",
    "fromDate" : "string",
    "toDate" : "string",
    "fromTime" : "string",
    "toTime" : "string"
  } ]
}
```

3.41.6. Get time set by name

```
GET /v1/domains/{domainId}/timesets/{timeSetName}
```

Description

Get information for a specific time set

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of domain to which time set belongs	integer (int64)
Path	timeSetName <i>required</i>	time set Name to get time set	string

Responses

HTTP Code	Description	Schema
200	Success	TimeSetInfo
400	Invalid name supplied	No Content
401	Insufficient Privileges to perform this action	No Content
404	Time set not found by name	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/timesets/string
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "times" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "fromDay" : "string",
    "toDay" : "string",
    "fromDate" : "string",
    "toDate" : "string",
    "fromTime" : "string",
    "toTime" : "string"
  } ]
}
```

3.41.7. Get policies with time set

```
GET /v1/domains/{domainId}/timesets/{timeSetName}/policies
```

Description

Returns policies that use the specified time set

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of domain to which time set belongs	integer (int64)
Path	timeSetName <i>required</i>	Time set name to get time set	string

Responses

HTTP Code	Description	Schema
200	Success	< PolicyInfo > array
400	Invalid name supplied	No Content
401	Insufficient Privileges to perform this action	No Content
404	Time set not found by name	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/timesets/string/policies
```

Example HTTP response

Response 200

```
[ {  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "domainId" : 1000,  
  "domainUrl" : "/v1/domains/1000/",  
  "name" : "MyFirstPolicy",  
  "description" : "My description",  
  "policyType" : "string",  
  "version" : 0,  
  "learnMode" : true  
} ]
```


3.42. User Sets

3.42.1. Create a user set

```
POST /v1/domains/{domainId}/usersets
```

Description

Create a user set to grant or deny GuardPoint access to a collection of users

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of domain to which user set belongs	integer (int64)
Body	body <i>required</i>	userSetInfo to create userset	UserSetModel

Responses

HTTP Code	Description	Schema
200	successful operation	UserSetModel
201	Success, object or resource created	No Content
400	Invalid input names	No Content
401	Insufficient Privileges to perform this action	No Content
404	User set not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/usersets
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "users" : [ {
    "uId" : 1010,
    "uName" : "user1",
    "gId" : 1020,
    "gName" : "group1",
    "osDomain" : "domains",
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"
  } ]
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "users" : [ {
    "uId" : 1010,
    "uName" : "user1",
    "gId" : 1020,
    "gName" : "group1",
    "osDomain" : "domains",
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"
  } ]
}
```

3.42.2. Get user sets by filter

```
GET /v1/domains/{domainId}/usersets
```

Description

Returns a list of user sets

Parameters

Type	Name	Description	Schema	Default
Path	domainId <i>required</i>	ID of domain to which user set belongs	integer (int64)	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	< UserSetModel > array
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	Requested object(s) or resources(s) not found	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/usersets
```

Example HTTP response

Response 200

```
[ {
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "users" : [ {
    "uId" : 1010,
    "uName" : "user1",
    "gId" : 1020,
    "gName" : "group1",
    "osDomain" : "domains",
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"
  } ]
} ]
```

3.42.3. Delete a user set

```
DELETE /v1/domains/{domainId}/usersets
```

Description

Multiple names can be provided with comma seperated strings

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of domain to which user set belongs	integer (int64)
Body	body <i>required</i>	userset names to delete	List of strings

Responses

HTTP Code	Description	Schema
200	Success	Number of deleted items
400	Invalid input names	No Content
401	Insufficient Privileges to perform this action	No Content
404	User set not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/usersets
```

Request body

```
{  
  "data" : "[ 'name1', 'name2' ]"  
}
```

Example HTTP response

Response 200

```
{  
  "deleted" : 2  
}
```

3.42.4. Get user set by ID

```
GET /v1/domains/{domainId}/usersets/{id}
```

Description

Returns the specified user set

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	Domain ID of domain to which user set belongs	integer (int64)
Path	id <i>required</i>	UserSet id	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	UserSetModel
400	Invalid ID supplied	No Content
403	Forbidden, permission denied	No Content
404	User set not found by ID	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/usersets/0
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "users" : [ {
    "uId" : 1010,
    "uName" : "user1",
    "gId" : 1020,
    "gName" : "group1",
    "osDomain" : "domains",
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"
  } ]
}
```


3.42.5. Update a user set

```
PUT /v1/domains/{domainId}/usersets/{id}
```

Description

Add or remove users from a user set

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of domain to which user set belongs	integer (int64)
Path	id <i>required</i>	userset id to update	integer (int64)
Body	body <i>required</i>	usersetInfo to update	UserSetModel

Responses

HTTP Code	Description	Schema
200	Success	UserSetModel
400	Invalid input names	No Content
401	Insufficient Privileges to perform this action	No Content
404	User set not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/usersets/0
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "users" : [ {
    "uId" : 1010,
    "uName" : "user1",
    "gId" : 1020,
    "gName" : "group1",
    "osDomain" : "domains",
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"
  } ]
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "users" : [ {
    "uId" : 1010,
    "uName" : "user1",
    "gId" : 1020,
    "gName" : "group1",
    "osDomain" : "domains",
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"
  } ]
}
```

3.42.6. Get user set by name

```
GET /v1/domains/{domainId}/usersets/{userSetName}
```

Description

Returns the specified user set

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of domain to which user set belongs	integer (int64)
Path	userSetName <i>required</i>	UserSet Name to get UserSet	string

Responses

HTTP Code	Description	Schema
200	Success	UserSetModel
400	Invalid name supplied	No Content
401	Insufficient Privileges to perform this action	No Content
404	User set not found by name	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/usersets/string
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "domainId" : 1000,
  "name" : "Set1",
  "description" : "This is the set created for a policy",
  "users" : [ {
    "uId" : 1010,
    "uName" : "user1",
    "gId" : 1020,
    "gName" : "group1",
    "osDomain" : "domains",
    "dockerImageID" :
"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec",
    "dockerContainerID" :
"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"
  } ]
}
```

3.42.7. Get policies with user set

```
GET /v1/domains/{domainId}/usersets/{userSetName}/policies
```

Description

Return policies that use the specified user set

Parameters

Type	Name	Description	Schema
Path	domainId <i>required</i>	ID of domain to which user set belongs	integer (int64)
Path	userSetName <i>required</i>	UserSet Name to get UserSet	string

Responses

HTTP Code	Description	Schema
200	Success	< PolicyInfo > array
400	Invalid name supplied	No Content
401	Insufficient Privileges to perform this action	No Content
404	UserSet not found by name	No Content
500	Unexpected server error	No Content

Produces

- application/json

Example HTTP request

Request path

```
/v1/domains/0/usersets/string/policies
```

Example HTTP response

Response 200

```
[ {  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "domainId" : 1000,  
  "domainUrl" : "/v1/domains/1000/",  
  "name" : "MyFirstPolicy",  
  "description" : "My description",  
  "policyType" : "string",  
  "version" : 0,  
  "learnMode" : true  
} ]
```

3.43. Wrapper Keys History

3.43.1. Create new wrapper key for given context

POST /v1/wrapperkeys

Description

Generates a new wrapper key

Parameters

Type	Name	Description	Schema
Body	body <i>required</i>	Wrapper key information	WrapperKeyCreateInfo

Responses

HTTP Code	Description	Schema
200	Success	WrapperKeyHistoryInfo
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/wrapperkeys
```

Request body

```
{  
  "description" : "wr-1 for DSM1"  
}
```

Example HTTP response

Response 200

```
{  
  "id" : 1000,  
  "url" : "/v1/admins/1000",  
  "createdAt" : "string",  
  "updatedAt" : "string",  
  "keyIdentifier" : "0de-71e",  
  "createdBy" : "johndow",  
  "description" : "for domain ABC",  
  "current" : true,  
  "createdDate" : "string"  
}
```


3.43.2. Get wrapper keys history list

GET /v1/wrapperkeys

Description

Returns wrapper key history record

Parameters

Type	Name	Description	Schema	Default
Query	createdBy <i>optional</i>	User name of wrapper key creator	string	
Query	createdDate <i>optional</i>	Creation date, format: MM/dd/yy	string	
Query	current <i>optional</i>	Select current wrapper key	boolean	
Query	description <i>optional</i>	Wrapper key description	string	
Query	keyIdentifier <i>optional</i>	Key identifier	string	
Query	limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return	integer (int32)	25
Query	offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements	integer (int32)	0
Query	order <i>optional</i>	The direction to sort values in the sorted field, either 'asc' (ascending) or 'desc' (descending). Default is 'asc'.	string	"asc"
Query	sort <i>optional</i>	The name of the field on which the list should be sorted	string	"id"

Responses

HTTP Code	Description	Schema
200	Success	List of WrapperKeyHistoryInfo
400	Unexpected payload, wrong format or bad data	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/wrapperkeys
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "keyIdentifier" : "0de-71e",
    "createdBy" : "johndow",
    "description" : "for domain ABC",
    "current" : true,
    "createdDate" : "string"
  } ]
}
```

3.43.3. Get current wrapper key for given context

```
GET /v1/wrapperkeys/currentwrapperkey
```

Description

Returns a specific wrapper key

Responses

HTTP Code	Description	Schema
200	Success	WrapperKeyCurrentInfo
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/wrapperkeys/currentwrapperkey
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "keyIdentifier" : "0de-71e",
  "createdBy" : "johndow",
  "description" : "created for domain1",
  "value" :
"cfе875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80cfе875629c40252c9e9a7d3092e0fc17
a263b7a3d1eaa80",
  "createdDate" : "string"
}
```

3.43.4. Export current wrapper key to specified set of custodians

POST /v1/wrapperkeys/export

Description

For additional security, wrapper keys can be broken up into key shares/pieces of a wrapper key. These key shares can then be divided amongst two or more custodians, such that each custodian must contribute their key share in order to assemble a complete wrapper key. This is also referred to as split key knowledge or M of N configuration. Refer to the DSM administrators Guide for more information about wrapper key shares.

Parameters

Type	Name	Description	Schema
Body	<i>body required</i>	Number of shares to break the wrapper key into, the total number of shares, and the custodian's IDs	Wrapper Key Export

Responses

HTTP Code	Description	Schema
200	Success	No Content
400	Unexpected payload, wrong format or bad data	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/wrapperkeys/export
```

Request body

```
{  
  "minimumNumberOfShares" : 2,  
  "totalNumberOfShares" : 4,  
  "userIds" : [ 0 ]  
}
```

3.43.5. Get imported key share by keyShareId

```
GET /v1/wrapperkeys/importedkeyshares/{importedKeyShareId}
```

Description

Returns a list of key shares for a specific key share ID

Parameters

Type	Name	Description	Schema
Path	importedKeyShareId <i>required</i>	ID of the imported key share	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	UserKeyShareInfo
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/wrapperkeys/importedkeyshares/1020
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "keyShare" : "9da93e8622bbcf875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80",
  "created" : "string"
}
```

3.43.6. Delete imported key share by key share ID

```
DELETE /v1/wrapperkeys/importedkeyshares/{importedKeyShareId}
```

Description

Deletes a key share for a specific ID; note that this endpoint removes the automatic backup schedule

Parameters

Type	Name	Description	Schema
Path	importedKeyShareId <i>required</i>	Id for the imported key share	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/wrapperkeys/importedkeyshares/1020
```

3.43.7. Import key share

POST /v1/wrapperkeys/keyshares

Description

Distribute key shares by having other administrators import them to their systems

Parameters

Type	Name	Description	Schema
Body	body <i>required</i>	Import Key shares to other systems	ImportKeyShareInfo

Responses

HTTP Code	Description	Schema
200	Success	UserKeyShareInfo
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/wrapperkeys/keyshares
```

Request body

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "keyShare" :
"cfe875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80cfe875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80"
}
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "keyShare" : "9da93e8622bbcf875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80",
  "created" : "string"
}
```

3.43.8. Get count of key shares

```
GET /v1/wrapperkeys/keyshares/count
```

Description

Returns a tally of the key shares

Responses

HTTP Code	Description	Schema
200	Success	Number of count items
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/wrapperkeys/keyshares/count
```

Example HTTP response

Response 200

```
{  
  "count" : 1  
}
```

3.43.9. Delete exported key shares

```
DELETE /v1/wrapperkeys/keyshares/exported
```

Description

Delete key shares that were exported

Responses

HTTP Code	Description	Schema
200	Success	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/wrapperkeys/keyshares/exported
```

3.43.10. Get list of users who have imported key shares

```
GET /v1/wrapperkeys/keyshares/users
```

Description

Generates a list of administrators who have imported key shares

Parameters

Type	Name	Description	Schema	Default
Query	limit <i>optional</i>	The maximum number of items to return in the filtered and sorted list	integer (int32)	25
Query	offset <i>optional</i>	The row number of the first row to return in the sorted list of matching elements	integer (int32)	0

Responses

HTTP Code	Description	Schema
200	Success	List of CompactUserInfo
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- `application/json`

Produces

- `application/json`

Example HTTP request

Request path

```
/v1/wrapperkeys/keyshares/users
```

Example HTTP response

Response 200

```
{
  "url" : "/v1/admins/1000",
  "total" : 10,
  "offset" : 1,
  "limit" : 1,
  "list" : [ {
    "id" : 1000,
    "url" : "/v1/admins/1000",
    "createdAt" : "string",
    "updatedAt" : "string",
    "name" : "johndoe",
    "adminType" : "string",
    "global" : true,
    "description" : "Description item",
    "permanent" : true,
    "enabled" : true,
    "readOnly" : false
  } ]
}
```

3.43.11. Generate wrapper key from imported key shares

```
POST /v1/wrapperkeys/keyshares/wrapperKey
```

Description

Generate a wrapper key so you can obfuscate in-transit Security Server configuration data.

Responses

HTTP Code	Description	Schema
201	Success, object or resource created	No Content
400	Unexpected payload, wrong format or bad data	No Content
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/wrapperkeys/keyshares/wrapperKey
```

3.43.12. Get list of user's key shares

```
GET /v1/wrapperkeys/userkeyshare
```

Description

Returns a list of all users and their key shares

Responses

HTTP Code	Description	Schema
200	Success	UserKeyShareInfo
404	Key share or domain or user not found	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/wrapperkeys/userkeyshare
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "keyShare" : "9da93e8622bbcf875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80",
  "created" : "string"
}
```

3.43.13. Get wrapper key history record by ID

```
GET /v1/wrapperkeys/{wrapperKeyHistoryId}
```

Description

Returns wrapper key history record for a specific ID

Parameters

Type	Name	Description	Schema
Path	wrapperKeyHistoryId <i>required</i>	ID number for the wrapper key history record	integer (int64)

Responses

HTTP Code	Description	Schema
200	Success	WrapperKeyHistoryInfo
401	Insufficient Privileges to perform this action	No Content
500	Unexpected server error	No Content

Consumes

- application/json

Produces

- application/json

Example HTTP request

Request path

```
/v1/wrapperkeys/1020
```

Example HTTP response

Response 200

```
{
  "id" : 1000,
  "url" : "/v1/admins/1000",
  "createdAt" : "string",
  "updatedAt" : "string",
  "keyIdentifier" : "0de-71e",
  "createdBy" : "johndow",
  "description" : "for domain ABC",
  "current" : true,
  "createdDate" : "string"
}
```

Chapter 4. Definitions

4.1. 400 Response Failure

Name	Description	Schema
httpStatusCode <i>optional</i>	HTTP code Example : 400	integer (int32)
message <i>optional</i>	Error message Example: "Client error due to bad input parameters or reaching an unimplemented endpoint."	string

4.2. 401 Response Failure

Name	Description	Schema
httpStatusCode <i>optional</i>	HTTP code Example : 401	integer (int32)
message <i>optional</i>	Error message Example: "Bad credential or unauthorized operation."	string

4.3. 403 Response Failure

Name	Description	Schema
httpStatusCode <i>optional</i>	HTTP code Example : 403	integer (int32)
message <i>optional</i>	Error message Example: "User does not have sufficient privileges for the operation or there is a specific limitation on the resource that has been reached."	string

4.4. 404 Response Failure

Name	Description	Schema
httpStatusCode <i>optional</i>	HTTP code Example : 404	integer (int32)
message <i>optional</i>	Error message Example: "Resource not found."	string

4.5. 409 Response Failure

Name	Description	Schema
httpStatusCode <i>optional</i>	HTTP code Example : 409	integer (int32)
message <i>optional</i>	Error message Example: "Object already in use"	string

4.6. 412 Response Failure

Name	Description	Schema
httpStatusCode <i>optional</i>	HTTP code Example : 412	integer (int32)
message <i>optional</i>	Error message Example : "The security server was unable to contact the agent."	string

4.7. 500 Response Failure

Name	Description	Schema
httpStatusCode <i>optional</i>	HTTP code Example : 500	integer (int32)
message <i>optional</i>	Error message Example : "Server internal error."	string

4.8. 503 Response Failure

Name	Description	Schema
httpStatusCode <i>optional</i>	HTTP code Example : 503	integer (int32)
message <i>optional</i>	Error message Example : "The server is currently unable to handle the request due to a temporary overloading or maintenance of the server."	string

4.9. Add Hosts to HostGroup

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
hostGroupName <i>required</i>	Host name should be of valid length between 1 and 64 and alpha numeric characters, dot"." and "-" are allowed Length : 1 - 64 Example : "hostgroup1"	string
hostNames <i>required</i>	Host name should be of valid length between 1 and 256 and alpha numeric characters, dot"." and "-" are allowed Example : "['name1', 'name2']"	< string > array
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)

Name	Description	Schema
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.10. AgentInfo

Name	Description	Schema
agentType <i>required</i>	Example : "string"	enum (VTE, VAE, KMIPC, DB2)
certificateFingerprint <i>optional</i>	Example : "95:3d:ac:66:53:e3:ef:a9:13:01:6c:d6:59:40:72:f6"	string
commEnabled <i>optional</i>	Boolean value to enable communication between the DSM and the Agent Example : true	boolean
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
locked <i>optional</i>	Boolean value to lock the configuration of the VTE Agent on the host Example : true	boolean
oneWayCommunication Enabled <i>optional</i> <i>read-only</i>	Boolean value to indicate if the host was registered to use one-way communication with the DSM Example : true	boolean
registrationStatus <i>optional</i>	Example : "REGISTERED"	enum (REGISTERED, ALLOWED, DISALLOWED)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)
version <i>optional</i>	Example : "6.1.0.63"	string

4.11. Asymmetric Key

Name	Description	Schema
algorithm <i>optional</i>	Example : "string"	enum (RSA1024, RSA2048, RSA3072, RSA4096)
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)

Name	Description	Schema
description <i>optional</i>	Example : "Description"	string
expirationTime <i>optional</i>	valid format is like this: 2015-07-29T00:00:00.000Z Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyTemplateName <i>optional</i>	Length : 0 - 64 Example : "KeyTemplateName"	string
name <i>required</i>	Can contain only letters 'a-z', 'A-Z', any UTF-8 letter, minus sign '-', and must start with an alpha character Example : "AsymmetricKey"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.12. Asymmetric key update

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Description of the key Length : 0 - 256 Example : "string"	string
expirationTime <i>optional</i>	Expiration time, valid format is: 2015-07-29T23:25:59.203Z To nullify use "" as a value Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.13. Authentication

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
method required	Example : "string"	enum (CHALLENGE_RESPONSE, PASSWORD)
password optional	Password value is required if method value is 'Password' Example : "MySecret1"	string
regenerate optional	Example : true	boolean
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.14. Auto-backup information

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
createdAtZDT optional	Example : "string"	string (date-time)
enabled optional	Enabled Example : true	boolean
id optional read-only	Item ID Example : 1000	integer (int64)
schedule required	Schedule Example : Schedule	Schedule
storage required	Backup storage Example : Backup storage	Backup storage
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
updatedAtZDT optional	Example : "string"	string (date-time)

Name	Description	Schema
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.15. Backup storage

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
directory <i>required</i>	Directory Example : "/tmp/test"	string
host <i>required</i>	Host Example : "host1"	string
hostFingerprint <i>optional</i>	Host fingerprint Example : "95:3d:ac:66:53:e3:ef:a9:13:01:6c:d6:59:40:72:f6"	string
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
password <i>optional</i>	Password (required for WINDOWS_SHARE only) Example : "MySecret1"	string
protocol <i>required</i>	Protocol Example : "string"	enum (SCP, WINDOWS_SHARE)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)
userName <i>required</i>	Username Example : "johndoe"	string

4.16. CSR information

Name	Description	Schema
cityName <i>optional</i>	City Name Example : "San Jose"	string
countryCode <i>optional</i>	Country Code Example : "US"	string

Name	Description	Schema
emailAddress optional	Email Address Pattern : <code>"{im}^({1,64}@){?:\"<strong class=\"^\" \\\\\">{?:\\\\\\.[^\" \\\\\">\"@ [[0-9a-z]{?:\\\\.?!\\\\.) [-!#\\\$%'\\\\\\\\+\\\\/\\\\=\\\\?\\\\^</code>\\\\{\\\\}\\\\ ~\\\\w}@)({1,255}){?:\\\\{\\\\{\\\\d{1,3}\\\\.\\\\}{3}\\\\d{1,3}\\\\}) {?:{1,63}\\\\.\\\\}[0-9a-z][~\\\\w][0-9a-z]\\\\.\\\\)+[a-z0-9][\\\\-a-z0-9]{0,22}[a-z0-9]) ({?:{1,63}\$}[0-9a-z][~\\\\w]\$\" Example : <code>name@domain.com</code>	string
orgName optional	Name of Organization Example : "My Organization"	string
orgUnitName optional	Name of Organization Unit Example : "IT"	string
stateName optional	State Name Example : "California"	string

4.17. CertMgmt

Name	Description	Schema
altNames optional	Example : "string"	string
ca optional	Example : true	boolean
cert optional	Example : "string"	string
certFileName optional	Example : "string"	string
certType optional	Example : "string"	enum (ROOT, INTERMEDIATE, LEAF, UNKNOWN, KMIP_CA, SC_CA, SC_USER, ALL)
crl optional	Example : "string"	string
description optional	Example : "string"	string
domainID optional	Example : 0	integer (int64)
endTime optional	Example : "string"	string (date-time)
enhancedUsages optional	Example : "string"	string
format optional	Example : "string"	enum (DER, PEM, PKCS7, PKCS12, UNKNOWN, ALL)
id optional	Example : 0	integer (int64)

Name	Description	Schema
issuerDN <i>optional</i>	Example : "string"	string
issuerID <i>optional</i>	Example : 0	integer (int64)
keyFileName <i>optional</i>	Example : "string"	string
ocsp <i>optional</i>	Example : "string"	string
p12Pw <i>optional</i>	Example : "string"	string
privKey <i>optional</i>	Example : "string"	string
pubkeyAlgo <i>optional</i>	Example : "string"	string
pubkeySize <i>optional</i>	Example : 0	integer (int32)
raw <i>optional</i>	Example : "string"	string
sigAlgo <i>optional</i>	Example : "string"	string
startTime <i>optional</i>	Example : "string"	string (date-time)
subject <i>optional</i>	Example : "string"	string

4.18. Certificate Upload information

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
ec7024 <i>optional</i>	Pattern : "^([A-Za-z0-9+ /] { 4 }) * ([A-Za-z0-9+ /] { 4 } [A-Za-z0-9+ /] { 3 } = [A-Za-z0-9+ /] { 2 } ==) \$" Example : "string"	string
ec844X <i>optional</i>	Pattern : "^([A-Za-z0-9+ /] { 4 }) * ([A-Za-z0-9+ /] { 4 } [A-Za-z0-9+ /] { 3 } = [A-Za-z0-9+ /] { 2 } ==) \$" Example : "string"	string
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)

Name	Description	Schema
rsa7024 optional	Pattern : <code>"^([A-Za-z0-9+/]{4})*([A-Za-z0-9+/]{4} [A-Za-z0-9+/]{3}=[A-Za-z0-9+/]{2})=\$"</code> Example : "string"	string
rsa844X optional	Pattern : <code>"^([A-Za-z0-9+/]{4})*([A-Za-z0-9+/]{4} [A-Za-z0-9+/]{3}=[A-Za-z0-9+/]{2})=\$"</code> Example : "string"	string
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : <code>"/v1/admins/1000"</code>	string (uri)

4.19. CertificateAuthorityConfig

Name	Description	Schema
city optional	Example : "San Jose"	string
country required	Country code must have two capital letters Length : 2 Pattern : <code>"[A-Z]{2}\$"</code> Example : "US"	string
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
email optional	Pattern : <code>"(im)^(?=.{1,64}@)(?:(\"<strong class=\"^\"\\\\\\\\>{?:\\\\\\\\.[^\\\\\\\\]\\\\\\\\\"@)\\{[0-9a-z]{?:\\\\\\\\.(?!\\\\\\\\.) [-!#\\\\\$%&quot;'\\\\\\\\+\\\\\\\\=\\\\\\\\?\\\\\\\\^</code>\\\\{\\\\\\\\} ~\\\\\\\\w)@)}(={1,255})\$ (?:(\\\\{?:\\\\d{1,3}\\\\\\\\}{3}\\\\d{1,3}\\\\\\\\) ?:{1,63}\\\\\\\\.[0-9a-z]\\\\\\\\[0-9a-z]\\\\\\\\)+[a-z0-9]\\\\\\\\[0,22][a-z0-9]) (?={1,63}\$)[0-9a-z]\\\\\\\\\$\"`
Example : <code>user@company.com\"</code></code></code>	string
hostName optional	Example : "host1"	string
id optional read-only	Item ID Example : 1000	integer (int64)
organization optional	Example : "Acme Inc."	string
organizationUnit optional	Example : "Shipping"	string
state optional	Example : "CA"	string
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)

Name	Description	Schema
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.20. CloudStorageSecurityRule

Name	Description	Schema
actions optional read-only	Example : ["string"]	< enum (READ_FILE, WRITE_FILE, WRITE_FILE_APPENDING, CREATE_FILE, RENAME_FILE, LINK_FILE, REMOVE_FILE, READ_FILE_ATTRIBUTE, CHANGE_FILE_ATTRIBUTE, READ_FILE_SECURITY, CHANGE_FILE_SECURITY, READ_DIRECTORY, RENAME_DIRECTORY, MAKE_DIRECTORY, REMOVE_DIRECTORY, READ_DIRECTORY_ATTRIBUTE, CHANGE_DIRECTORY_ATTRIBUTE, READ_DIRECTORY_SECURITY, CHANGE_DIRECTORY_SECURITY, READ_OPERATIONS, WRITE_OPERATIONS, ALL_OPERATIONS, KEY_OPERATIONS) > array
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
effects required	At least one of the effect must be set Example : ["string"]	< enum (PERMIT, AUDIT, DENY, APPLY_KEY) > array
id optional read-only	Item ID Example : 1000	integer (int64)
order required	Minimum value : 1 Maximum value : 2147483647 Example : 1	integer (int32)
processset optional read-only	Example : ItemSet	ItemSet
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)
userSet optional read-only	Example : ItemSet	ItemSet

4.21. CommandInfo

Name	Description	Schema
cmd <i>optional</i>	Example : "string"	enum (arp, arping, checkport, ip, ping, traceroute)
host <i>optional</i>	Example : "10.10.65.100"	string
interface <i>optional</i>	Example : "string"	enum (eth0, eth1, bond0)
ininterface <i>optional</i>	Example : "string"	enum (eth0, eth1, bond0)
ipV6 <i>optional</i>	Example : false	boolean
port <i>optional</i>	Port range should be of a max length 65535 Minimum value : 1 Maximum value : 65535 Example : 8050	integer (int32)
timeout <i>optional</i>	Example : 0	integer (int32)

4.22. Compact model for host

Name	Description	Schema
agents <i>optional</i>	Example : "{ 'VTE' : { 'version' : '6.0.0' } }"	< string, AgentInfo > map
configurationPushStatus <i>optional</i>	Example : "PENDING"	enum (DONE, PENDING, UNKNOWN, FAILOVER)
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Length : 1 - 256 Example : "Description item"	string
domainUrl <i>optional</i>	Example : "/v1/domains/1000"	string (uri)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
lastSecurityUpdatedAt <i>optional</i>	Example : "2018-04-24T18:39:42.662+0000"	string (date-time)
licenseType <i>optional</i>	Example : "PERPETUAL"	enum (PERPETUAL, TERM, HOURLY)
name <i>optional</i>	Length : 1 - 256 Example : "host1"	string

Name	Description	Schema
os <i>optional</i>	Example : "Linux"	enum (UNKNOWN, WINDOWS, LINUX, SOLARIS, HPUX, AIX)
shareMode <i>optional</i>	Example : "SHARED"	enum (SHARED, EXTERNAL)
shared <i>optional</i>	Example : true	boolean
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.23. CompactDomainInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Length : 0 - 256 Example : "Description item"	string
fingerprintRegistrationDis abled <i>optional</i>	Example : true	boolean
helpDeskInfo <i>optional</i>	Length : 0 - 256 Example : "Jack Doe"	string
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
kmipEnabled <i>optional</i>	Example : true	boolean
name <i>optional</i>	Length : 1 - 64 Example : "domain1"	string
organization <i>optional</i>	Length : 0 - 256 Example : "Acme Inc."	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.24. CompactUserInfo

Name	Description	Schema
adminType <i>optional</i>	Example : "string"	enum (SYSTEM_ADMIN, DOMAIN_ADMIN, SECURITY_ADMIN, DOMAIN_SECURITY_ADMIN, ALL_ADMIN)
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Example : "Description item"	string
enabled <i>optional</i>	Example : true	boolean
global <i>optional</i>	Example : true	boolean
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
name <i>optional</i>	Example : " johndoe"	string
permanent <i>optional</i>	Example : true	boolean
readOnly <i>optional</i>	Example : false	boolean
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : " /v1/admins/1000"	string (uri)

4.25. ControlInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
serverControl <i>optional</i>	Example : ServerControl	ServerControl

Name	Description	Schema
systemControl optional	Example : SystemControl	SystemControl
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.26. DHCPConfig

Name	Description	Schema
active optional read-only	Example : true	boolean
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
device optional read-only	Example : "string"	enum (eth0, eth1, bond0, bond1)
dhcpV4 optional read-only	Example : true	boolean
dhcpV4Address optional read-only	Example : "10.3.110.104"	string
dhcpV6 optional read-only	Example : true	boolean
dhcpV6Address optional read-only	Example : "2018:2018:2018:2018:2018:2018:2018:2018"	string
id optional read-only	Item ID Example : 1000	integer (int64)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.27. DHCPConfigCmd

Name	Description	Schema
command optional read-only	Example : "string"	enum (enable, release, renew)
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
dhcpinterface optional read-only	Example : "string"	enum (eth0, eth1, bond0, bond1)
id optional read-only	Item ID Example : 1000	integer (int64)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)
version optional read-only	Example : "string"	enum (V4, V6)

4.28. DHCPConfigInfo

Name	Description	Schema
dhcp optional read-only	Example : ["DHCPConfig"]	< DHCPConfig > array
response optional	Example : "success"	< string > array
set optional read-only	Example : DHCPConfigCmd	DHCPConfigCmd

4.29. DateTimeConfig

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
date optional	Expected format is mm/dd/yyyy Example : "12/31/2018"	string

Name	Description	Schema
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
now <i>optional</i>	Example : "2018-04-27 11:02:32.679"	string
time <i>optional</i>	Pattern : "(?:[01]\\d 2[0123]):(?:[012345]\\d):(?:[012345]\\d)" Example : "10:59:59"	string
timezone <i>optional</i>	Example : "US/Pacific"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.30. DeleteIdsFromGroupInfo

Name	Description	Schema
all <i>optional</i> <i>read-only</i>	set to 'true' to delete all identities from a keygroup, individual elements will be ignored Example : true	boolean
data <i>required</i>	Item ID list Example : "[1000, 1001]"	< integer (int64) > array

4.31. DnsConfig

Name	Description	Schema
clear <i>optional</i>	Example : true	boolean
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
enabled <i>optional</i>	Example : true	boolean
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
message <i>optional</i>	Example : "Include info"	string
nameServers <i>optional</i>	Example : "{ 'dns1' : '10.0.0.1' }"	< string, string > map

Name	Description	Schema
searchDomain <i>optional</i>	Example : "dsm"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.32. Domain Report

Name	Description	Schema
agentLicenseUsed <i>optional</i>	Example : 1	integer (int32)
agentType <i>optional</i>	Example : "FS"	string
availableAgentLicenses <i>optional</i>	Example : 24	integer (int32)
availableDockerLicenses <i>optional</i>	Example : 500	integer (int32)
availableLDTLicenses <i>optional</i>	Example : 500	integer (int32)
dockerEnabledHosts <i>optional</i>	Example : 0	integer (int32)
domain <i>optional</i>	Example : "domain1"	string
hostName <i>optional</i>	Example : "10.10.66.141"	string
hoursUsed <i>optional</i>	Example : 0	integer (int32)
ltdEnabledHosts <i>optional</i>	Example : 0	integer (int32)
licenseType <i>optional</i>	Example : "PERPETUAL"	string
logicalCoreUsed <i>optional</i>	Example : 2	integer (int32)
organization <i>optional</i>	Example : "AAA"	string

4.33. Domain Report in CSV

Name	Description	Schema
payload optional	Example : "\"Organization\\",\\"Domain\\",\\"Agent Type\\",\\"License Type\\",\\"Host\\",\\"Agent Licenses Used\\",\\"Logical Cores Used\\",\\"Hours Used\\",\\"LDT Enabled Hosts\\",\\"Docker Enabled Hosts\\",\\"Available agent licenses\\",\\"Available Docker licenses\\",\\"Available LDT licenses\\",\\"Acme\\",\\"domain1\\",\\"FS\\",\\"TERM\\",\\"some.host.com\\",0,0,0,10,50,100,10,10"	string

4.34. DomainCreationInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	Example : "Description item"	string
fingerprintRegistrationDisabled optional	Example : true	boolean
helpDeskInfo optional	Example : "Jack Doe"	string
id optional read-only	Item ID Example : 1000	integer (int64)
kmipEnabled optional	Example : true	boolean
licenseQuota optional	Example : LicenseQuota	LicenseQuota
name required	Example : "domain1"	string
organization optional	Example : "Acme Inc."	string
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.35. DomainInfo

Name	Description	Schema
administrators <i>optional</i> <i>read-only</i>	Example : ["CompactUserInfo"]	< CompactUserInfo > array
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Length : 0 - 256 Example : "Description item"	string
fingerprintRegistrationDisabled <i>optional</i>	Example : true	boolean
helpDeskInfo <i>optional</i>	Length : 0 - 256 Example : "Jack Doe"	string
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
kmipEnabled <i>optional</i>	Example : true	boolean
licenseQuota <i>optional</i> <i>read-only</i>	Example : LicenseQuota	LicenseQuota
name <i>optional</i>	Length : 1 - 64 Example : "domain1"	string
organization <i>optional</i>	Length : 0 - 256 Example : "Acme Inc."	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.36. DomainRegistrationSharedSecretInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
enforcedSharedSecret <i>optional</i>	Boolean value to enforce shared secret for host registration Example : true	boolean
expiredDate <i>required</i>	valid format is like this: 2015-07-29T00:00:00.000Z Example : "string"	string (date-time)

Name	Description	Schema
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
isPreAddHost <i>optional</i>	Boolean value to add host before install and configure agent. Default value is false. Example : false	boolean
secret <i>required</i>	value must meet password policy Example : "tesTest1!"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.37. DomainStats

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
unmanagedCount <i>optional</i>	Example : 0	integer (int32)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.38. DomainUserCreationInfo

Name	Description	Schema
adminType <i>required</i>	Example : "SYSTEM_ADMIN"	enum (SYSTEM_ADMIN, DOMAIN_ADMIN, SECURITY_ADMIN, DOMAIN_SECURITY_ADMIN, ALL_ADMIN)
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Example : "Description item"	string

Name	Description	Schema
domainId <i>optional</i>	Example : 1000	integer (int64)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
name <i>required</i>	Example : " johndoe"	string
password <i>required</i>	Length : 8 - 256 Example : "MySecret1"	string
readOnly <i>optional</i>	Example : false	boolean
restrictedDomainId <i>optional</i>	Example : 1020	integer (int64)
roles <i>optional</i> <i>read-only</i>	Example : ["string"]	< enum (AUDIT, CHALLENGE_RESPONSE, CLIENT_IDENTITY, DOMAIN, HOST, KEY, POLICY) > array
rsaUserId <i>optional</i>	Example : "user1002"	string
smartCardLoginEnabled <i>optional</i>	Note that to enable/disable the smart card through the REST API, you must be logged in as a standard administrator, (not enabled for smart card). Example : false	boolean
smartCardUserMapping <i>optional</i>	Example : ["string"]	< enum (SUBJECT_CN, SUBJECT_DN, ISSUER_DN, SERIAL_NUMBER, SUBJECT_KEY_ID, PUBLIC_KEY_HASH, FASC_N, CARD_UUID, UPN, RFC822_NAME) > array
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.39. DomainUserUpdateInfo

Name	Description	Schema
description <i>optional</i>	Example : "Description item"	string
roles <i>optional</i> <i>read-only</i>	Example : ["string"]	< enum (AUDIT, CHALLENGE_RESPONSE, CLIENT_IDENTITY, DOMAIN, HOST, KEY, POLICY) > array

4.40. EarlyAccessInfo

Name	Description	Schema
earlyAccess required	Example : true	boolean

4.41. FsCloudStoragePolicyCreationInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description required	Description Length : 0 - 256 Example : "Description item"	string
force optional read-only	This parameter is deprecated Example : true	boolean
id optional read-only	Item ID Example : 1000	integer (int64)
keyRules required	key rules for policy Example : ["KeyRule"]	< KeyRule > array
name required	Can contain any alpha numeric and special characters. Spaces are not permitted Length : 1 - 64 Pattern : "[A-Za-z0-9!@#\$\$%^&*()_-+=~?<>{ }] +" Example : "policy_1"	string
policyType required	Policy type to be created Example : "LDT = LDT policy, STANDARD = standard policy, COS = cloud object storage policy"	enum (LDT, STANDARD, COS)
securityRules optional	security rules for policy Example : ["CloudStorageSecurityRule"]	< CloudStorageSecurityRule > array
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.42. FsCloudStoragePolicyUpdateInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)

Name	Description	Schema
description <i>optional</i>	description max length is 256 Length : 0 - 256 Example : "string"	string
force <i>optional</i>	Set force to true if you'd like to override the latest policy Example : false	boolean
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyRules <i>required</i>	Example : ["KeyRule"]	< KeyRule > array
securityRules <i>required</i>	Example : ["LDTSecurityRule"]	< LDTSecurityRule > array
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.43. FsLDTPolicyCreationInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>required</i>	Description Length : 0 - 256 Example : "Description item"	string
force <i>optional</i> <i>read-only</i>	This parameter is deprecated Example : true	boolean
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyRules <i>required</i>	key rules for policy Example : ["LDTKeyRule"]	< LDTKeyRule > array
learnMode <i>optional</i>	When Learn Mode is enabled, a deny rule should only include "apply_key" when there is a "permit apply_key" rule in the policy. Otherwise, do not include "apply_key" in the deny rule. Note that Learn mode is not supported for Cloud object storage policies. Example : true	boolean
name <i>required</i>	Can contain any alpha numeric and special characters. Spaces are not permitted Length : 1 - 64 Pattern : "[A-Za-z0-9!@#\$\$%^&*()-_=~?<>{}]+ " Example : "policy_1"	string

Name	Description	Schema
policyType <i>required</i>	Policy type to be created Example: "LDT = LDT policy, STANDARD = standard policy, COS = cloud object storage policy"	enum (LDT, STANDARD, COS)
securityRules <i>optional</i> <i>read-only</i>	security rules for policy Example: ["LDTSecurityRule"]	< LDTSecurityRule > array
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example: "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example: "/v1/admins/1000"	string (uri)

4.44. FsLDTPolicyUpdateInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example: "string"	string (date-time)
description <i>optional</i>	description max length is 256 Length: 0 - 256 Example: "string"	string
force <i>optional</i>	Set force to true if you'd like to override the latest policy Example: false	boolean
id <i>optional</i> <i>read-only</i>	Item ID Example: 1000	integer (int64)
keyRules <i>required</i>	Example: ["LDTKeyRule"]	< LDTKeyRule > array
learnMode <i>optional</i>	When Learn Mode is enabled, a deny rule should only include "apply_key" when there is a "permit apply_key" rule in the policy. Otherwise, do not include "apply_key" in the deny rule. Note that Learn mode is not supported for Cloud object storage policies. Example: true	boolean
securityRules <i>required</i>	Example: ["LDTSecurityRule"]	< LDTSecurityRule > array
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example: "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example: "/v1/admins/1000"	string (uri)

4.45. FsPolicyCreationInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description required	Description Length : 0 - 256 Example : "Description item"	string
force optional read-only	This parameter is deprecated Example : true	boolean
id optional read-only	Item ID Example : 1000	integer (int64)
keyRules required	key rules for policy Example : ["KeyRule"]	< KeyRule > array
learnMode optional	When Learn Mode is enabled, a deny rule should only include "apply_key" when there is a "permit apply_key" rule in the policy. Otherwise, do not include "apply_key" in the deny rule. Note that Learn mode is not supported for Cloud object storage policies. Example : true	boolean
name required	Can contain any alpha numeric and special characters. Spaces are not permitted Length : 1 - 64 Pattern : "[A-Za-z0-9!@#\$\$%^&*()_+=~?<>{}]+" Example : "policy_1"	string
policyType required	Policy type to be created Example : "LDT" = LDT policy, STANDARD = standard policy, COS = cloud object storage policy"	enum (LDT, STANDARD, COS)
securityRules required	security rules for policy Example : ["StandardSecurityRule"]	< StandardSecurityRule > array
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.46. FsPolicyUpdateInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	description max length is 256 Length : 0 - 256 Example : "string"	string
force optional	Set force to true if you'd like to override the latest policy Example : false	boolean

Name	Description	Schema
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyRules <i>required</i>	Example : ["KeyRule"]	< KeyRule > array
learnMode <i>optional</i>	When Learn Mode is enabled, a deny rule should only include "apply_key" when there is a "permit apply_key" rule in the policy. Otherwise, do not include "apply_key" in the deny rule. Note that Learn mode is not supported for Cloud object storage policies. Example : true	boolean
securityRules <i>required</i>	Example : ["LDTSecurityRule"]	< LDTSecurityRule > array
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.47. FsProcessInfo

Signature reference, or directory, or file name is required. Host name is required if signature reference is specified.

Name	Description	Schema
baseName <i>required</i> <i>read-only</i>	Executable name Example : "*"	string
directory <i>required</i> <i>read-only</i>	Directory Example : "/tmp/test"	string
dockerContainerID <i>optional</i> <i>read-only</i>	Example : "2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"	string
dockerImageID <i>optional</i> <i>read-only</i>	Example : "sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec"	string
signatureReference <i>required</i> <i>read-only</i>	Signature Reference Example : "signatureName"	string

4.48. FsResourceInfo

Name	Description	Schema
baseName <i>optional</i>	Base name, if it is not specified then default value is asterisk. Asterisk indicating that all files under that directory are included in the definition. Example : "testFile"	string

Name	Description	Schema
directory optional	Example : <code>"/tmp/test"</code>	string
dockerContainerID optional	Example : <code>"2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"</code>	string
dockerImageID optional	Example : <code>"sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeeec"</code>	string
hdfs optional read-only	Example : <code>true</code>	boolean
includeSubFolders optional	Example : <code>true</code>	boolean

4.49. FsTimeInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : <code>"string"</code>	string (date-time)
fromDate required read-only	Example : <code>"string"</code>	string (date-time)
fromDay required read-only	Example : <code>"string"</code>	enum (MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, SATURDAY, SUNDAY)
fromTime optional	Example : <code>"string"</code>	string (date-time)
id optional read-only	Item ID Example : <code>1000</code>	integer (int64)
toDate required read-only	Example : <code>"string"</code>	string (date-time)
toDay required read-only	Example : <code>"string"</code>	enum (MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, SATURDAY, SUNDAY)
toTime optional	Example : <code>"string"</code>	string (date-time)
updatedAt optional read-only	Update timestamp Example : <code>"string"</code>	string (date-time)
url optional read-only	URL of the item Example : <code>"/v1/admins/1000"</code>	string (uri)

4.50. GatewayConfig

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
interface <i>optional</i> <i>read-only</i>	Example : "string"	enum (eth0, eth1, bond0)
isDefault <i>optional</i>	Example : true	boolean
route <i>optional</i>	Example : "default via 10.1.1.254 dev eth0"	string
source <i>optional</i>	Example : InetAddress	InetAddress
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)
via <i>optional</i>	Example : InetAddress	InetAddress

4.51. GatewayConfigInfo

Name	Description	Schema
add <i>optional</i>	Example : ["GatewayConfig"]	< GatewayConfig > array
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
delete <i>optional</i>	Example : ["GatewayConfig"]	< GatewayConfig > array
gateways <i>optional</i>	Example : "['Main routing table', 'default via 100.1.1.254 dev eth0']"	< string > array
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
replace <i>optional</i>	Example : ["GatewayConfig"]	< GatewayConfig > array

Name	Description	Schema
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.52. GuardPathInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
guardPath required	Example : "/docs/folder1"	string
id optional read-only	Item ID Example : 1000	integer (int64)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.53. GuardPointCreationInfo

Name	Description	Schema
autoMountEnabled optional	Example : false	boolean
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
dockerContainerID optional	Example : "2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"	string
dockerImageID optional	Example : "sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeecc"	string
earlyAccess optional	Example : false	boolean
efficientStorageDevice optional	Efficient Storage or IDT-Capable Device Example : false	boolean
guardPath required	Example : "/docs/folder1"	string

Name	Description	Schema
guardPointType <i>required</i>	Example : "string"	enum (AUTO_GUARD_DIRECTORY, MANUAL_GUARD_DIRECTORY, AUTO_GUARD_RAW_BLOCK_D EVICE, MANUAL_GUARD_RAW_BLOC K_DEVICE, AUTO_CLOUD_STORAGE, MANUAL_CLOUD_STORAGE)
hostId <i>required</i>	Example : 3000	integer (int64)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
policyId <i>required</i>	Example : 28	integer (int64)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.54. GuardPointFilterInfo

Name	Description	Schema
guardPath <i>optional</i>	Length : 1 - 4000 Pattern : "^ [a-zA-Z0-9 /_-]+\$ " Example : "/docs/folder1"	string
limit <i>optional</i>	Example : 25	integer (int32)
offset <i>optional</i>	Example : 10	integer (int32)
policyName <i>optional</i>	Length : 1 - 64 Pattern : "^ [a-zA-Z] [a-zA-Z0-9_-]*\$ " Example : "MyFirstPolicy"	string
sortOrder <i>required</i>	Example : "asc"	enum (desc, asc, none)

4.55. GuardPointInfo

Name	Description	Schema
autoMountEnabled <i>optional</i>	Example : true	boolean

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
diskGroupName <i>optional</i>	Example : "GroupName"	string
earlyAccess <i>optional</i>	Example : true	boolean
efficientStorageDevice <i>optional</i>	Efficient Storage or IDT-Capable Device Example : true	boolean
enabled <i>optional</i>	Example : true	boolean
guardInfo <i>optional</i>	Example : "{ 'property1': 'info1', 'property2': 'info2' }"	< string, string > map
guardPath <i>required</i>	Example : "/docs/folder1"	string
guardPointType <i>optional</i>	Example : "string"	enum (AUTO_GUARD_DIRECTORY, MANUAL_GUARD_DIRECTORY, AUTO_GUARD_RAW_BLOCK_D EVICE, MANUAL_GUARD_RAW_BLOC K_DEVICE, AUTO_CLOUD_STORAGE, MANUAL_CLOUD_STORAGE)
guardStatus <i>optional</i> <i>read-only</i>	Example : "string"	enum (UP, DOWN, AGENT_PENDING, SERVER_PENDING, UNAVAILABLE, ERROR)
hostGroupName <i>optional</i>	Example : "MyHostGroupName"	string
hostId <i>required</i>	Example : 5000	integer (int64)
hostUrl <i>optional</i>	Example : "/v1/domains/1000/hosts/2000"	string (uri)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
policy <i>optional</i>	Example : PolicyInfo	PolicyInfo
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.56. GuardPointStatusInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
errorReason <i>optional</i>	Example : "string"	string
guardPoint <i>optional</i>	Example : GuardPointInfo	GuardPointInfo
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.57. HostAssignmentInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
hostNames <i>required</i>	Example : ["string"]	< string > array
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
toNodeName <i>required</i>	Host name should be of valid length between 1 and 256 and alpha numeric characters, dot"." and "-" are allowed Pattern : "^(([\\w] ([\\w][\\w]))\\.)([\\w] ([\\w][\\w\\-])*[\\w]){1,256}\$" Example : "host1"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.58. HostAssignmentUpdatedInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.59. HostConfig

Name	Description	Schema
add optional	Example : "{ 'dsm1' : '127.0.0.5', 'dsm2' : '127.0.0.3' }"	< string, string > map
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
delete optional	Example : "['host2']"	< string > array
hosts optional	Example : "{ 'dsm3' : '127.0.0.2', 'dsm4' : '127.0.0.4' }"	< string, string > map
id optional read-only	Item ID Example : 1000	integer (int64)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.60. HostCreationInfo

Name	Description	Schema
authentication optional	Example : Authentication	Authentication
autoAssignsServer optional	Example : true	boolean

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	Description Length : 1 - 256 Example : "Description item"	string
domainId optional	Example : 1000	integer (int64)
enabled optional	Example : true	boolean
hostName required	Host name should be of valid length between 1 and 256 and alpha numeric characters, dot "." and "-" are allowed Length : 1 - 256 Example : "host1"	string
id optional read-only	Item ID Example : 1000	integer (int64)
licenseType required	Example : "PERPETUAL"	enum (PERPETUAL, TERM, HOURLY)
registrableAgents optional	Example : ["string"]	< enum (VTE, VAE, KMIPC, DB2) > array
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.61. HostGroupCreation Info model

Name	Description	Schema
clusterType optional	If omitted then 'NONE' will be defaulted Example : "HDFS"	enum (NONE, GPFS, HDFS)
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	Description Length : 1 - 256 Example : "Description item"	string
domainId optional	Domain ID Example : 1000	integer (int64)
hostGroupName required	Host name should be of valid length between 1 and 64 and alpha numeric characters, dot "." and "-" are allowed Length : 1 - 64 Example : "hostGroup1"	string

Name	Description	Schema
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.62. HostGroupRegistrationSharedSecretInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
expiredDate <i>required</i>	valid format is like this: 2015-07-29T00:00:00.000Z Example : "string"	string (date-time)
hostGroupShared <i>optional</i>	Example : true	boolean
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
isPreAddHost <i>optional</i>	Boolean value to add host before install and configure agent. Default value is false. Example : false	boolean
secret <i>required</i>	value must meet password policy Example : "tesTest1!"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.63. HostGuardPointStatusInfo

Name	Description	Schema
completedAt <i>optional</i>	Example : "string"	string (date-time)
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
host <i>optional</i>	Example : HostInfo	HostInfo

Name	Description	Schema
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
state <i>optional</i>	Example : "string"	enum (QUEUED, STARTED, COMPLETED, CANCELLED, ERROR)
statuses <i>optional</i>	Example : ["GuardPointStatusInfo"]	< GuardPointStatusInfo > array
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.64. HostGuardPointStatusJob

Name	Description	Schema
completedAt <i>optional</i>	Example : "string"	string (date-time)
completedHostsCount <i>optional</i>	Example : 0	integer (int32)
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
domainUrl <i>optional</i>	Example : "string"	string (uri)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
name <i>optional</i>	Example : "string"	string
queuedPosition <i>optional</i>	Example : 0	integer (int32)
remainingTasksCount <i>optional</i>	Example : 0	integer (int32)
state <i>optional</i>	Example : "string"	enum (QUEUED, STARTED, COMPLETED, CANCELLED, ERROR)
totalHostsCount <i>optional</i>	Example : 0	integer (int32)
totalTasksCount <i>optional</i>	Example : 0	integer (int32)

Name	Description	Schema
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.65. HostInfo

Name	Description	Schema
agents optional	Example : "{ 'VTE' : { 'version' : '6.0.0' } }"	< string, AgentInfo > map
allowAdditionalSlots optional	Allow VAE agents to add extra slots Example : true	boolean
authentication optional	Authentication details Example : Authentication	Authentication
certificateAlgorithm optional	Certificate algorithm type Example : "string"	enum (RSA, EC)
challengeAndResponseEnabled optional	Boolean value to set up challenge response, enable or not Example : true	boolean
configurationPushStatus optional	Example : "PENDING"	enum (DONE, PENDING, UNKNOWN, FAILOVER)
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	Length : 1 - 256 Example : "Description item"	string
dockerEnabled optional	Boolean value to enable Docker Example : true	boolean
domainUrl optional	Example : "/v1/domains/1000"	string (uri)
efficientStorageEnabled optional	Boolean value to enable Efficient Storage Example : true	boolean
encryptionKeyProtection optional	Boolean value to enable or disable host encryption key protection Example : true	boolean
ff1Enabled optional	Boolean value to enable FF1 Example : true	boolean
fsAgentLocked optional	Boolean value to set up FS agent lock or unlock, FsAgentLock implies SystemLock Example : true	boolean

Name	Description	Schema
hostSettings <i>optional</i>	Host settings Example : [" KeyValuePairInfo "]	< KeyValuePairInfo > array
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
lastSecurityUpdatedAt <i>optional</i>	Example : "2018-04-24T18:39:42.662+0000"	string (date-time)
ldtstop <i>optional</i>	Example : true	boolean
licenseType <i>optional</i>	Example : "PERPETUAL"	enum (PERPETUAL, TERM, HOURLY)
name <i>optional</i>	Length : 1 - 256 Example : "host1"	string
odtenabled <i>optional</i>	Example : true	boolean
os <i>optional</i>	Example : "Linux"	enum (UNKNOWN, WINDOWS, LINUX, SOLARIS, HPUX, AIX)
port <i>optional</i>	Port range should be of a max length 65535 Minimum value : 1 Maximum value : 65535 Example : 8050	integer (int32)
reSignHostSettings <i>optional</i>	Boolean value to enable reSign for hostsetting Example : true	boolean
secureStartCapable <i>optional</i>	Boolean value to enable Secure Start Example : true	boolean
shareMode <i>optional</i>	Example : "SHARED"	enum (SHARED, EXTERNAL)
shared <i>optional</i>	Example : true	boolean
sharedDomains <i>optional</i>	List of shared domains Example : [" CompactDomainInfo "]	< CompactDomainInfo > array
systemLocked <i>optional</i>	Boolean value to set up system lock or unlock Example : true	boolean
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.66. HostToHostGroupInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
hostGroupNames <i>required</i>	Host name should be of valid length between 1 and 64 and alpha numeric characters, dot"." and "-" are allowed Example : "['hostgroup1' , 'hostgroup2']"	< string > array
hostName <i>required</i>	Host name should be of valid length between 1 and 256 and alpha numeric characters, dot"." and "-" are allowed Length : 1 - 256 Example : "host1"	string
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.67. HourlyLicense

Name	Description	Schema
coreHoursCount <i>optional</i>	Example : 20000.0	number
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.68. HourlyQuota

Name	Description	Schema
coreHoursCount <i>optional</i>	Example : 10000	integer (int32)

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.69. IdentityCreationInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	Length : 0 - 256 Example : "Description item"	string
id optional read-only	Item ID Example : 1000	integer (int64)
name required read-only	Length : 1 - 256 Pattern : "[^:]+" Example : "Name "	string
password required read-only	Length : 1 - 256 Pattern : "[^:]+" Example : "MySecret1"	string
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.70. IdentityInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	Length : 0 - 256 Example : "Description item"	string

Name	Description	Schema
id optional read-only	Item ID Example : 1000	integer (int64)
name required read-only	Length : 1 - 256 Pattern : "[^:]+" Example : "Name"	string
password required read-only	Length : 1 - 256 Pattern : "[^:]+" Example : "MySecret1"	string
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.71. IdentityPasswordUpdateInfo

Allowed to only update the password, the rest of the attributes are read-only or not set.

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
newPassword required read-only	Length : 1 - 256 Pattern : "[^:]+" Example : "MySecret1"	string
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.72. IdentityUpdateInfo

Allow to update only description, rest of attributes are read only or not set

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	Length : 0 - 256 Example : "Description item"	string

Name	Description	Schema
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.73. ImportKeyShareInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyShare <i>required</i>	Length : 32 - 160 Example : "cfe875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80cfe875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.74. InetAddress

Name	Description	Schema
address <i>optional</i>	Example : ["string"]	< string (byte) > array
anyLocalAddress <i>optional</i>	Example : true	boolean
canonicalHostName <i>optional</i>	Example : "string"	string
hostAddress <i>optional</i>	Example : "string"	string
hostName <i>optional</i>	Example : "string"	string
linkLocalAddress <i>optional</i>	Example : true	boolean

Name	Description	Schema
loopbackAddress <i>optional</i>	Example : true	boolean
mcglobal <i>optional</i>	Example : true	boolean
mclinkLocal <i>optional</i>	Example : true	boolean
mcnodeLocal <i>optional</i>	Example : true	boolean
mcorgLocal <i>optional</i>	Example : true	boolean
mcsiteLocal <i>optional</i>	Example : true	boolean
multicastAddress <i>optional</i>	Example : true	boolean
siteLocalAddress <i>optional</i>	Example : true	boolean

4.75. InitialConfigInfo

Name	Description	Schema
certificateAuthorityConfig <i>optional</i>	Example : CertificateAuthorityConfig	CertificateAuthorityConfig
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
dateTimeConfig <i>optional</i>	Example : DateTimeConfig	DateTimeConfig
dhcpConfig <i>optional</i>	Example : DHCPConfigInfo	DHCPConfigInfo
dnsConfig <i>optional</i>	Example : DnsConfig	DnsConfig
gatewayConfig <i>optional</i>	Example : GatewayConfigInfo	GatewayConfigInfo
hostConfig <i>optional</i>	Example : HostConfig	HostConfig
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
interfaceConfig <i>optional</i>	Example : InterfaceConfigInfo	InterfaceConfigInfo

Name	Description	Schema
ipLinkConfig <i>optional</i>	Example : IpLinkConfigInfo	IpLinkConfigInfo
ntpConfig <i>optional</i>	Example : NtpConfig	NtpConfig
systemConfig <i>optional</i>	Example : SystemConfig	SystemConfig
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.76. InterfaceConfig

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
interface <i>optional</i> <i>read-only</i>	Example : "eth0"	enum (eth0, eth1, bond0)
ip <i>optional</i>	Example : "10.3.110.104"	string
ipv6 <i>optional</i>	Example : "2018:2018:2018:2018:2018:2018:2018:2018"	string
label <i>optional</i>	Example : "group1"	string
subnetMask <i>optional</i>	Example : "255.0.0.0"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)
v6SubnetMask <i>optional</i>	Example : "255.0.0.1"	string

4.77. InterfaceConfigInfo

Name	Description	Schema
add <i>optional</i>	Example : [" InterfaceConfig "]	< InterfaceConfig > array
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
delete <i>optional</i>	Example : [" InterfaceConfig "]	< InterfaceConfig > array
flush <i>optional</i>	Example : [" InterfaceConfig "]	< InterfaceConfig > array
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
init <i>optional</i>	Example : [" InterfaceConfig "]	< InterfaceConfig > array
interfaces <i>optional</i>	Example : [" InterfaceConfigResult "]	< InterfaceConfigResult > array
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : " /v1/admins/1000 "	string (uri)

4.78. InterfaceConfigResult

Name	Description	Schema
broadcast <i>optional</i>	Example : "10.1.255.255"	string
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
interface <i>optional</i> <i>read-only</i>	Example : "eth0"	enum (eth0, eth1, bond0)
label <i>optional</i>	Example : "group1"	string
prefix <i>optional</i>	Example : "10.3.110.104/16"	string

Name	Description	Schema
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.79. IpLinkConfig

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
interface optional read-only	Example : "eth0"	enum (eth0, eth1, bond0)
mode optional	Example : 0	integer (int32)
mtu optional	Example : 4	integer (int32)
pdelay optional	Example : 0	integer (int32)
speed optional	Example : "string"	enum (AUTO, TEN_MB_HALF, TEN_MB_FULL, HUNDRED_MB_HALF, HUNDRED_MB_FULL, THOUSAND_MB_HALF, THOUSAND_MB_FULL)
state optional	Example : "string"	enum (UP, DOWN)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)
xmithashpolicy optional	Example : "string"	enum (layer2only, layer2Plus3, layer3Plus4, encap2Plus3, encap3Plus4)

4.80. IpLinkConfigInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
ipLinks optional	Example : "{ 'dsm1' : '127.0.0.5' , 'dsm2' : '127.0.0.3' }"	< IpLinkConfigResult > array
set optional read-only	Example : [" IpLinkConfig "]	< IpLinkConfig > array
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.81. IpLinkConfigResult

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
info optional	Example : "['Up Delay (ms): 0' , 'Down Delay (ms): 0']"	< string > array
interface optional read-only	Example : "string"	enum (eth0, eth1, bond0)
mediaType optional	Example : "copper"	string
mode optional	Example : "0"	string
mtu optional	Example : "4"	string
speed optional	Example : "auto"	string
state optional	Example : "string"	enum (UP, DOWN)

Name	Description	Schema
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.82. Item UUID list

Name	Description	Schema
data required	Item UUID list Example : "['f0a53e42-24b3-8c7f-abc7-ae7c472470c1', 'da8ed8e3-215c-4456-b5ce-c74bf66ff329']"	< string > array

4.83. ItemSet

Name	Description	Schema
exclude optional read-only	Example : true	boolean
id optional	Example : 1123	integer (int64)

4.84. JobStatusInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
status optional	Example : HostGuardPointStatusJob	HostGuardPointStatusJob
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.85. Key information

Name	Description	Schema
algorithm <i>optional</i>	Key algorithm Example : "string"	enum (DES3, AES128, AES256, ARIA128, ARIA256, RSA1024, RSA2048, RSA3072, RSA4096, Clear)
alignUnit <i>optional</i>	Represent cachedTime value unit as 'D' in days, 'W' in weeks, 'Y' in years Example : "D"	string
alignedCachedTime <i>optional</i>	Aligned cached time Example : 0	integer (int32)
alignedKeyVersionLifeSpan <i>optional</i>	Example : 0	integer (int32)
cachedTime <i>optional</i>	Cached time as number of 'alignUnit'. For example, cachedTime=7 and alignUnit='D' has same logical meaning as cachedTime=1 and alignUnit='W' Example : 60	integer (int64)
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
creationTime <i>optional</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Description Example : "Description"	string
domainId <i>optional</i>	Domain ID Example : 3001	integer (int64)
encryptionMode <i>optional</i>	Encryption mode applicable to AES symmetric keys only. If encryption mode is not specified, (CBC, CBC_CS1, XTS), it defaults to the legacy CBC mode. This applies only to VTE agents. Example : "CBC"	enum (CBC, CBC_CS1, XTS)
expirationTime <i>optional</i>	Expiration timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyHash <i>optional</i>	Value is a SHA-384 hash code of key material as hex string representation Example : "22fd7e1ee4871c2f15bc146305ae894b4f17c57fbe8e01dd3afa88cb2c079397ea6e3c65987703a91120617b4ec8dd81"	string
keyUsageType <i>optional</i>	Key usage type Example : "string"	enum (CACHED_ON_HOST, STORED_ON_SERVER, UNIQUE_CACHED_ON_HOST)
keyVersion <i>optional</i>	Key version ID Example : 1	integer (int32)
keyVersionLifeSpan <i>optional</i>	Key version lifespan Example : 2	integer (int32)

Name	Description	Schema
name <i>optional</i>	Name Example : "KeyName"	string
numberOfPolicies <i>optional</i>	Number of policies Example : 0	integer (int32)
publicKey <i>optional</i>	Populated if key is RSA and length is 2048, 3072 or 4096 bits Example : "-----BEGIN PUBLIC KEY----- \nMIGfDE0GCSqGSIB3DQEBAQUAA4GNADCBiQKBgQCqGKuk01De7zhZj6+H0qtjTkV xwTCpvKe4eCZ0\nFPqri0cb2JZfXJ/DgYSF6vUpwmJG7wVQZKjeGcjdOL5UlsuusF nCzWBW3RKNUSesmQRMSGkVb1/\n3j+skZ6UtW+5u091HNSj6tQ51s1SPrC3kedbN f0Tp0GrTJDyR4e9T04ZZwIDAQAD\n-----END PUBLIC KEY-----"	string
publicKeyFormat <i>optional</i>	Populated if key is RSA and length is 2048, 3072 or 4096 bits. Describe format of 'publicKey' attribute. Currently only ASN1 is supported Example : "string"	enum (ASN1, PKCS8)
source <i>optional</i>	Source Example : "From DSM"	string
state <i>optional</i>	Key state Example : "ACTIVE"	enum (PRE_ACTIVATION, ACTIVE, SUSPENDED, DEACTIVATED, COMPROMISED, DESTROYED)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)
uuid <i>optional</i>	UUID Example : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1"	string

4.86. Key rotation

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
reason <i>required</i>	The reason why the key is rotated Length : 1 - 256 Example : "This key has been compromised"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.87. Key template

Name	Description	Schema
algorithm <i>required</i>	Key algorithm Example : "AES256"	enum (AES128, AES256, ARIA128, ARIA256, RSA1024, RSA2048, RSA3072, RSA4096, Clear)
appSpecInfo <i>optional</i>	Application specification Example : "Encryption"	string
contactInfo <i>optional</i>	Contact information Example : "Jack Doe"	string
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Description of the key Length : 0 - 256 Example : "Description"	string
encryptionMode <i>optional</i>	Encryption mode applicable to AES symmetric keys only. If encryption mode is not specified, (CBC, CBC_CS1, XTS), it defaults to the legacy CBC mode. This applies only to VTE agents. Example : "CBC"	enum (CBC, CBC_CS1, XTS)
expirationTime <i>optional</i>	Expiration timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyUsageType <i>required</i> <i>read-only</i>	Key usage type Example : "string"	enum (CACHED_ON_HOST, STORED_ON_SERVER, UNIQUE_CACHED_ON_HOST, KEY_PAIR, VAULT, PUBLIC_KEY)
name <i>required</i>	Name Length : 1 - 64 Pattern : "[a-zA-Z_0-9-]+" Example : "MyKeyTemplate"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.88. KeyAttributeCreationInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)

Name	Description	Schema
description <i>optional</i>	Length : 0 - 256 Example : "string"	string
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
name <i>required</i>	Length : 1 - 256 Example : "attribute1"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)
value <i>optional</i>	Length : 1 - 256 Example : "string"	string

4.89. KeyAttributeInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Length : 0 - 256 Example : "Description"	string
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyId <i>required</i>	Example : 3000	integer (int64)
name <i>required</i>	Length : 1 - 256 Example : "KeyAttributeName"	string
readOnly <i>optional</i>	Example : true	boolean
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)
value <i>required</i>	Length : 1 - 1024 Example : "Key1"	string

4.90. KeyAttributeUpdateInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	Length : 0 - 256 Example : "attribute2"	string
id optional read-only	Item ID Example : 1000	integer (int64)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)
value required	Length : 1 - 1024 Example : "123456"	string

4.91. KeyGroupForUpdateInfo

Name	Description	Schema
description optional	Length : 0 - 256 Example : "Description"	string

4.92. KeyGroupInfo

Name	Description	Schema
asymmetricKeys optional read-only	List of asymmetric keys included to this group Example : ["Key information"]	< Key information > array
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional read-only	Length : 0 - 256 Example : "Description"	string
id optional read-only	Item ID Example : 1000	integer (int64)
identities optional read-only	List of Identities included to this group. Sufficient just identity IDs Example : ["IdentityInfo"]	< IdentityInfo > array

Name	Description	Schema
name required	Length : 1 - 64 Pattern : "\\p{L}{\\s\\p{L}\\p{N}_.\\-/=\\+}+" Example : "Name"	string
symmetricKeys optional read-only	List of symmetric keys included to this group Example : ["Key information"]	< Key information > array
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.93. KeyRule

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
keyID required	security key id cannot be null Example : 0	integer (int64)
order required	key order min value should be 1 Minimum value : 1 Maximum value : 2147483647 Example : 0	integer (int32)
resourceID optional read-only	Example : 0	integer (int64)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.94. KeyStateUpdateInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)

Name	Description	Schema
id optional read-only	Item ID Example : 1000	integer (int64)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)
value required	Length : 1 - 1024 Example : "PRE_ACTIVATION ACTIVE SUSPENDED DEACTIVATED COMPROMISED DESTROYED"	string

4.95. KeyTemplateAttributeCreationInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	Length : 0 - 256 Example : "description"	string
id optional read-only	Item ID Example : 1000	integer (int64)
name required	Length : 1 - 64 Example : "keyTemplateAttribute"	string
type required	Example : "Cached on Host"	enum (Cached on Host, Stored on Server, Public Key, Key Pair, Vault)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)
value required	Length : 1 - 256 Example : "123456"	string

4.96. KeyTemplateAttributeInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)

Name	Description	Schema
description <i>optional</i>	Length : 0 - 256 Example : "description"	string
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyTemplateId <i>required</i>	Example : 2000	integer (int64)
name <i>required</i>	Length : 1 - 64 Example : "keyTemplateAttribute"	string
type <i>required</i>	Example : "Cached on Host"	enum (Cached on Host, Stored on Server, Public Key, Key Pair, Vault)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)
value <i>required</i>	Length : 1 - 256 Example : "123456"	string

4.97. KeyTemplateAttributeUpdateInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Length : 0 - 256 Example : "description"	string
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
type <i>required</i>	Example : "Cached on Host"	enum (Cached on Host, Stored on Server, Public Key, Key Pair, Vault)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)
value <i>required</i>	Length : 1 - 256 Example : "123456"	string

4.98. KeyTemplateCreationInfo

Name	Description	Schema
algorithm <i>required</i>	Key algorithm Example : "AES256"	enum (AES128, AES256, ARIA128, ARIA256, RSA1024, RSA2048, RSA3072, RSA4096, Clear)
appSpecInfo <i>optional</i>	Application specification Example : "Encryption"	string
contactInfo <i>optional</i>	Contact information Example : "Jack Doe"	string
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Description of the key Length : 0 - 256 Example : "Description"	string
encryptionMode <i>optional</i>	Encryption mode applicable to AES symmetric keys only. If encryption mode is not specified, (CBC, CBC_CS1, XTS), it defaults to the legacy CBC mode. This applies only to VTE agents. Example : "CBC"	enum (CBC, CBC_CS1, XTS)
expirationTime <i>optional</i>	Expiration timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyUsageType <i>required</i> <i>read-only</i>	Key usage type Example : "string"	enum (CACHED_ON_HOST, STORED_ON_SERVER, UNIQUE_CACHED_ON_HOST, KEY_PAIR, VAULT, PUBLIC_KEY)
name <i>required</i>	Name Length : 1 - 64 Pattern : "[a-zA-Z_0-9-]+" Example : "MyKeyTemplate"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.99. KeyTemplateUpdateInfo

Name	Description	Schema
algorithm <i>required</i>	Key algorithm Example : "AES256"	enum (AES128, AES256, ARIA128, ARIA256, RSA1024, RSA2048, RSA3072, RSA4096, Clear)

Name	Description	Schema
appSpecInfo <i>optional</i>	Application specification Example : "Encryption"	string
contactInfo <i>optional</i>	Contact information Example : "Jack Doe"	string
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Description of the key Length : 0 - 256 Example : "Description"	string
encryptionMode <i>optional</i>	Encryption mode applicable to AES symmetric keys only. If encryption mode is not specified, (CBC, CBC_CS1, XTS), it defaults to the legacy CBC mode. This applies only to VTE agents. Example : "CBC"	enum (CBC, CBC_CS1, XTS)
expirationTime <i>optional</i>	Expiration timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyUsageType <i>required</i> <i>read-only</i>	Key usage type Example : "string"	enum (CACHED_ON_HOST, STORED_ON_SERVER, UNIQUE_CACHED_ON_HOST, KEY_PAIR, VAULT, PUBLIC_KEY)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.100. KeyValuePairInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyword <i>required</i>	Keyword can be authenticator /authenticator_uids Length : 1 - 64 Example : "authenticator"	string
processPath <i>required</i>	Path where process sets are created on host Length : 1 - 255 Example : "/usr/sbin/sshd"	string

Name	Description	Schema
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.101. KmpCreateSymmetricKeyInfo

Name	Description	Schema
activationTime optional	Activation time, valid format is: 2015-07-29T23:25:59.203Z Example : "string"	string (date-time)
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
deactivationTime optional	Deactivation time, valid format is: 2015-07-29T23:25:59.203Z Example : "string"	string (date-time)
description optional	Maximum 256 characters Example : "kmp Symmetric Key Description"	string
id optional read-only	Item ID Example : 1000	integer (int64)
kmpSymmetricKeyKeyTy peInfo required	KMIP Key type. A combination of algorithm and key length Example : "AES_256"	enum (AES_128, AES_256)
name required	Key name can start with alpha numeric characters, also underscore '_' and '-' are allowed Example : "kmpSymmetricKey"	string
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.102. KmpObjectInfo

Name	Description	Schema
attributes optional	Example : { "string" : "string" }	< string, string > map
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)

Name	Description	Schema
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)
uuid <i>optional</i>	Example : "string"	string

4.103. LDTKeyRule

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
exclude <i>optional</i>	Set exclusion rule to true if you would like to apply an exclusion rule to an LDT policy Example : false	boolean
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyID <i>required</i>	security key id cannot be null Example : 0	integer (int64)
order <i>required</i>	key order min value should be 1 Minimum value : 1 Maximum value : 2147483647 Example : 0	integer (int32)
resourceID <i>optional</i> <i>read-only</i>	Example : 0	integer (int64)
transformationKeyID <i>required</i>	transformation security key id cannot be null Example : 0	integer (int64)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.104. LDTSecurityRule

Name	Description	Schema
actions required read-only	Example : ["string"]	< enum (READ_FILE, WRITE_FILE, WRITE_FILE_APPENDING, CREATE_FILE, RENAME_FILE, LINK_FILE, REMOVE_FILE, READ_FILE_ATTRIBUTE, CHANGE_FILE_ATTRIBUTE, READ_FILE_SECURITY, CHANGE_FILE_SECURITY, READ_DIRECTORY, RENAME_DIRECTORY, MAKE_DIRECTORY, REMOVE_DIRECTORY, READ_DIRECTORY_ATTRIBUTE, CHANGE_DIRECTORY_ATTRIBUTE, READ_DIRECTORY_SECURITY, CHANGE_DIRECTORY_SECURITY, READ_OPERATIONS, WRITE_OPERATIONS, ALL_OPERATIONS, KEY_OPERATIONS) > array
allowBrowsing optional read-only	Example : false	boolean
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
effects required	At least one of the effect must be set Example : ["string"]	< enum (PERMIT, AUDIT, DENY, APPLY_KEY) > array
id optional read-only	Item ID Example : 1000	integer (int64)
order required	Minimum value : 1 Maximum value : 2147483647 Example : 1	integer (int32)
processset optional read-only	Example : ItemSet	ItemSet
resourceset optional read-only	Example : ItemSet	ItemSet
timeset optional read-only	Example : ItemSet	ItemSet
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

Name	Description	Schema
userset optional read-only	Example : ItemSet	ItemSet

4.105. LicenseInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
hourly optional	Example : "{ 'VAE' : { 'agentsCount' : 450 } }"	< string, HourlyLicense > map
id optional read-only	Item ID Example : 1000	integer (int64)
issuedTo optional	Example : "Acme Inc."	string
keyVaultEnabled optional	Example : true	boolean
maxDomainsCount optional	Example : 0	integer (int32)
perpetual optional	Example : "{ 'VAE' : { 'agentsCount' : 450 } }"	< string, PerpetualLicense > map
term optional	Example : "{ 'VAE' : { 'agentsCount' : 150, 'expiresAt' : '2022-08-31T07:00:00.000Z' } }"	< string, TermLicense > map
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.106. LicenseQuota

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
hourly optional	Example : "{ 'VAE' : { 'agentsCount' : 450 } }"	< string, HourlyQuota > map
id optional read-only	Item ID Example : 1000	integer (int64)

Name	Description	Schema
perpetual <i>optional</i>	Example : "{'VAE': {'agentsCount': 450}}"	< string, PerpetualQuota > map
term <i>optional</i>	Example : "{'VAE': {'agentsCount': 150, 'expiresAt': '2022-08-31T07:00:00.000Z'}}"	< string, TermQuota > map
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.107. List of CompactDomainInfo

Name	Description	Schema
limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list <i>optional</i>	List of items for a given page Example : [" CompactDomainInfo "]	< CompactDomainInfo > array
offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total <i>optional</i>	Total number of items found Example : 10	integer (int32)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.108. List of CompactUserInfo

Name	Description	Schema
limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list <i>optional</i>	List of items for a given page Example : [" CompactUserInfo "]	< CompactUserInfo > array
offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total <i>optional</i>	Total number of items found Example : 10	integer (int32)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.109. List of GuardPointInfo

Name	Description	Schema
limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list <i>optional</i>	List of items for a given page Example : ["GuardPointInfo"]	< GuardPointInfo > array
offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total <i>optional</i>	Total number of items found Example : 10	integer (int32)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.110. List of HostGroupInfo

Name	Description	Schema
limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list <i>optional</i>	List of items for a given page Example : ["Model for HostGroup"]	< Model for HostGroup > array
offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total <i>optional</i>	Total number of items found Example : 10	integer (int32)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.111. List of HostGuardPointStatusInfo

Name	Description	Schema
limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list <i>optional</i>	List of items for a given page Example : ["HostGuardPointStatusInfo"]	< HostGuardPointStatusInfo > array
offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total <i>optional</i>	Total number of items found Example : 10	integer (int32)

Name	Description	Schema
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.112. List of HostInfo

Name	Description	Schema
limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list <i>optional</i>	List of items for a given page Example : [" Compact model for host "]	< Compact model for host > array
offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total <i>optional</i>	Total number of items found Example : 10	integer (int32)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.113. List of IdentityInfo

Name	Description	Schema
limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list <i>optional</i>	List of items for a given page Example : [" IdentityInfo "]	< IdentityInfo > array
offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total <i>optional</i>	Total number of items found Example : 10	integer (int32)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.114. List of KeyAttributeInfo

Name	Description	Schema
limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list <i>optional</i>	List of items for a given page Example : [" KeyAttributeInfo "]	< KeyAttributeInfo > array

Name	Description	Schema
offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total <i>optional</i>	Total number of items found Example : 10	integer (int32)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.115. List of KeyGroupInfo

Name	Description	Schema
limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list <i>optional</i>	List of items for a given page Example : ["KeyGroupInfo"]	< KeyGroupInfo > array
offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total <i>optional</i>	Total number of items found Example : 10	integer (int32)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.116. List of KeyTemplateInfo

Name	Description	Schema
limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list <i>optional</i>	List of items for a given page Example : ["Key template"]	< Key template > array
offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total <i>optional</i>	Total number of items found Example : 10	integer (int32)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.117. List of PolicyInfo

Name	Description	Schema
limit optional	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list optional	List of items for a given page Example : ["PolicyInfo"]	< PolicyInfo > array
offset optional	The row number (>= 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total optional	Total number of items found Example : 10	integer (int32)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.118. List of ProcessSetInfo

Name	Description	Schema
limit optional	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list optional	List of items for a given page Example : ["ProcessSetInfo"]	< ProcessSetInfo > array
offset optional	The row number (>= 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total optional	Total number of items found Example : 10	integer (int32)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.119. List of ResourceSetInfo

Name	Description	Schema
limit optional	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list optional	List of items for a given page Example : ["ResourceSetInfo"]	< ResourceSetInfo > array
offset optional	The row number (>= 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total optional	Total number of items found Example : 10	integer (int32)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.120. List of SignatureReferenceInfo

Name	Description	Schema
limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list <i>optional</i>	List of items for a given page Example : ["Model for SignatureReference"]	< Model for SignatureReference > array
offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total <i>optional</i>	Total number of items found Example : 10	integer (int32)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.121. List of SignaturesInfo

Name	Description	Schema
limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list <i>optional</i>	List of items for a given page Example : ["Model for Signature"]	< Model for Signature > array
offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total <i>optional</i>	Total number of items found Example : 10	integer (int32)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.122. List of SyslogInfo

Name	Description	Schema
limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list <i>optional</i>	List of items for a given page Example : ["Syslog response"]	< Syslog response > array
offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total <i>optional</i>	Total number of items found Example : 10	integer (int32)

Name	Description	Schema
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.123. List of UserInfo

Name	Description	Schema
limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list <i>optional</i>	List of items for a given page Example : ["UserInfo"]	< UserInfo > array
offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total <i>optional</i>	Total number of items found Example : 10	integer (int32)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.124. List of WrapperKeyHistoryInfo

Name	Description	Schema
limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list <i>optional</i>	List of items for a given page Example : ["WrapperKeyHistoryInfo"]	< WrapperKeyHistoryInfo > array
offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total <i>optional</i>	Total number of items found Example : 10	integer (int32)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.125. List of keys

Name	Description	Schema
limit <i>optional</i>	The maximum number of items in the filtered and sorted list to return Example : 1	integer (int32)
list <i>optional</i>	List of items for a given page Example : ["Key information"]	< Key information > array

Name	Description	Schema
offset <i>optional</i>	The row number (≥ 0) of the first row to return in the sorted list of matching elements Example : 1	integer (int32)
total <i>optional</i>	Total number of items found Example : 10	integer (int32)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.126. List of longs

Name	Description	Schema
data <i>required</i>	Item ID list Example : "[1000, 1001]"	< integer (int64) > array

4.127. List of strings

Name	Description	Schema
data <i>required</i>	Item name list Example : "['name1', 'name2']"	< string > array

4.128. LogDestinationInfo

Name	Description	Schema
aggregateLogLevel <i>optional</i>	aggregate log message level. Possible values are DEBUG, INFO, WARN, ERROR, FATAL, OFF. The value is based on comparing the destination log level and message log level. It uses the highest log level. 'OFF' is when logger is disabled. Example : "INFO"	enum (DEBUG, INFO, WARN, ERROR, FATAL, OFF)
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
destinationLogLevel <i>optional</i>	log message level. Possible values are DEBUG, INFO, WARN, ERROR, FATAL Example : "INFO"	enum (DEBUG, INFO, WARN, ERROR, FATAL, OFF)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
logDestinationName <i>optional</i>	log destination. Possible values are SYSLOG, DSM, FILE Example : "Syslog"	enum (FILE, SYSLOG, DSM)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.129. LogSettingsInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
duplicates optional	Suppress or allow duplicate log messages. Duplicate message suppression settings are set up separately. Possible values are ALLOW, SUPPRESS Example : "SUPPRESS"	enum (ALLOW, SUPPRESS)
id optional read-only	Item ID Example : 1000	integer (int64)
logDestinationInfo optional	Log destination info gives detail about log store location and log level. Example : "logDestinationName:DSM,destinationLogLevel:INFO,aggregateLogLevel:INFO"	< LogDestinationInfo > array
logLevel optional	log message level. Possible values are DEBUG, INFO, WARN, ERROR, FATAL Example : "INFO"	enum (DEBUG, INFO, WARN, ERROR, FATAL, OFF)
logMessageType optional	Log message type. Possible values are MANAGEMENT,POLICY,SYSTEM,SECURITY,KEY. Management messages are related to the agent and VMD process server interaction in the agents logs. Policy messages are related to policy evaluation in the agent log. System messages are related to system level events. Security messages are related to security related events Example : "MANAGEMENT"	enum (MANAGEMENT, POLICY, SYSTEM, SECURITY, KEY)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.130. LogSettingsUpdateInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
enableLogger required	Boolean value to enable or disable the logger Example : true	boolean
id optional read-only	Item ID Example : 1000	integer (int64)
logDestination required	log destination. Possible values are FILE, SYSLOG or DSM Example : "SYSLOG"	enum (FILE, SYSLOG, DSM)
logMessageType optional	log message type is optional. If not specified, the update applies to all log message types on the specified log destination. Example : "MANAGEMENT"	enum (MANAGEMENT, POLICY, SYSTEM, SECURITY, KEY)

Name	Description	Schema
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.131. Model for HostGroup

Name	Description	Schema
clusterType optional	Example : "NONE"	enum (NONE, GPFS, HDFS)
coreGuardLockEnabled optional	Enabling FS agent lock, locks the agent configuration and prevents policy updates. If done on a host group, this applies to all members that inherit settings. Default value is false. Example : false	boolean
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
db2PemEnabled optional	Example : false	boolean
description optional	Description Length : 0 - 256 Example : "Description item"	string
domainId optional	Domain ID Example : 1000	integer (int64)
fsPemEnabled optional	Example : true	boolean
hostGroupName required read-only	Host name should be of valid length between 1 and 64 and alpha numeric characters, dot "." and "-" are allowed Length : 1 - 64 Example : "hostGroup1"	string
hostGroupSettings optional	Example : "['auth/bin']"	< string > array
id optional read-only	Item ID Example : 1000	integer (int64)
idsPemEnabled optional	Example : true	boolean
kmipPemEnabled optional	Example : true	boolean
offlinePolicyEnabled optional	Example : true	boolean

Name	Description	Schema
overwriteAllHostSettings <i>optional</i>	Boolean value to over write hostsettings for all hosts in hostGroup Example : true	boolean
password <i>optional</i>	Example : "MySecret1"	string
pkcs11PemEnabled <i>optional</i>	Example : true	boolean
randomHostPassword <i>optional</i>	Example : true	boolean
reSignHostSettings <i>optional</i>	Boolean value to enable reSign for hostsetting Example : true	boolean
rekeyCPUCap <i>optional</i>	Example : false	boolean
rekeyCpuUsagePercentage <i>optional</i>	Example : 5	integer (int32)
rekeyQosSchedule <i>optional</i>	Example : "{ 'SUN': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } }], 'MON': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } }], 'TUE': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } }], 'WED': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } }], 'THU': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } }], 'FRI': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } }], 'SAT': [{ 'startTime': { 'hour': 0, 'min': 0 }, 'endTime': { 'hour': 23, 'min': 59 } }]}"	string
systemLockEnabled <i>optional</i>	Agent Lock implies System Lock Example : true	boolean
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)
verifyPolicyEnabled <i>optional</i>	Example : false	boolean

4.132. Model for Signature

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
signAlgo <i>optional</i>	Example : "string"	string

Name	Description	Schema
signatureFile <i>optional</i>	Example : "string"	string
signatureReferenceld <i>optional</i>	Example : 0	integer (int64)
signatureValue <i>optional</i>	Example : "string"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.133. Model for SignatureReference

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Example : "My description"	string
dockerContainerID <i>optional</i>	Example : "string"	string
dockerImageID <i>optional</i>	Example : "string"	string
domainId <i>optional</i>	Example : 0	integer (int64)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
name <i>optional</i>	Example : "Signature Name"	string
signatureSourceList <i>optional</i>	Source Example : "['name1', 'name2']"	< string > array
signingPercentageComplete <i>optional</i>	Example : 0	integer (int32)
signingStatus <i>optional</i>	Example : "string"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)

Name	Description	Schema
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)
version <i>optional</i>	Example : 0	integer (int32)

4.134. NewUserInfo

Name	Description	Schema
adminType <i>optional</i>	Example : "string"	enum (SYSTEM_ADMIN, DOMAIN_ADMIN, SECURITY_ADMIN, DOMAIN_SECURITY_ADMIN, ALL_ADMIN)
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Example : "Description item"	string
enabled <i>optional</i>	Example : true	boolean
global <i>optional</i>	Example : true	boolean
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
name <i>optional</i>	Example : " johndoe"	string
passwordResetRequired <i>optional</i>	Example : true	boolean
permanent <i>optional</i>	Example : true	boolean
readOnly <i>optional</i>	Example : false	boolean
roles <i>optional</i>	Example : ["string"]	< enum (AUDIT, CHALLENGE_RESPONSE, CLIENT_IDENTITY, DOMAIN, HOST, KEY, POLICY) > array
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.135. NtpConfig

Name	Description	Schema
add <i>optional</i>	Example : "{ 'server': '127.127.1.1' }"	< string > array
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
delete <i>optional</i>	Example : "{ 'server': '127.127.1.1' }"	< string > array
enabled <i>optional</i>	Example : true	boolean
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
servers <i>optional</i>	Example : "{ 'server': '127.127.1.1' }"	< string > array
sync <i>optional</i>	Example : true	boolean
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.136. Number of count items

Name	Description	Schema
count <i>optional</i>	Number of count items Example : 1	integer (int32)

4.137. Number of deleted item

Name	Description	Schema
deleted <i>optional</i>	Number of deleted items Example : 1	integer (int32)

4.138. Number of deleted items

Name	Description	Schema
deleted <i>optional</i>	Number of deleted items Example : 2	integer (int32)

4.139. Number of exported items

Name	Description	Schema
exportedKeys <i>optional</i>	Number of exported items Example : 1	integer (int32)

4.140. Number of imported items

Name	Description	Schema
imported <i>optional</i>	Number of imported items Example : 1	integer (int32)

4.141. PasswordInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
name <i>required</i>	Example : " johndoe"	string
newPassword <i>required</i>	Example : "NewSecret123!@#"	string
oldPassword <i>required</i>	Example : "MySecret1"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.142. PasswordUpdateInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
name <i>required</i>	Length : 5 - 36 Example : " johndoe"	string

Name	Description	Schema
newPassword <i>required</i>	Example : "MySecret1"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.143. PerpetualLicense

Name	Description	Schema
agentsCount <i>optional</i>	Example : 25	integer (int32)
coresCount <i>optional</i>	Example : 40000	integer (int32)
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.144. PerpetualQuota

Name	Description	Schema
agentsCount <i>optional</i>	Example : 20	integer (int32)
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)

Name	Description	Schema
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.145. PolicyExportDeleteInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
name required	Can contain any alpha numeric and special characters. Spaces are not permitted Length : 1 - 64 Pattern : "[A-Za-z0-9!@#\$\$%^&*()_+=~?<>{}]+" Example : "policy_1"	string
policyType required	Policy type to export Example : "LDT = LDT policy, STANDARD = standard policy, COS = cloud object storage policy"	enum (LDT, STANDARD, COS)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.146. PolicyInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	Example : "My description"	string
domainId optional	Example : 1000	integer (int64)
domainUrl optional	Example : "/v1/domains/1000/"	string (uri)
id optional read-only	Item ID Example : 1000	integer (int64)

Name	Description	Schema
learnMode <i>optional</i>	When Learn Mode is enabled, a deny rule should only include "apply_key" when there is a "permit apply_key" rule in the policy. Otherwise, do not include "apply_key" in the deny rule. Note that Learn mode is not supported for Cloud object storage policies. Example : true	boolean
name <i>optional</i>	Example : "MyFirstPolicy"	string
policyType <i>optional</i>	Example : "string"	enum (STANDARD, LDT, COS)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)
version <i>optional</i>	Example : 0	integer (int32)

4.147. ProcessSetInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Set description Length : 0 - 64 Example : "This is the set created for a policy"	string
domainId <i>optional</i>	Domain ID Example : 1000	integer (int64)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
name <i>required</i>	Set name Length : 1 - 64 Pattern : "[A-Za-z0-9_.-]+" Example : "Set1"	string
processes <i>optional</i> <i>read-only</i>	Example : ["FsProcessInfo"]	< FsProcessInfo > array
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.148. RegistrationSharedSecretInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
expiredDate required	valid format is like this: 2015-07-29T00:00:00.000Z Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
isPreAddHost optional	Boolean value to add host before install and configure agent. Default value is false. Example : false	boolean
secret required	value must meet password policy Example : "tesTest1!"	string
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.149. ResourceSetInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	Set description Length : 0 - 64 Example : "This is the set created for a policy"	string
domainId optional	Domain ID Example : 1000	integer (int64)
id optional read-only	Item ID Example : 1000	integer (int64)
name required	Set name Length : 1 - 64 Pattern : "[A-Za-z0-9_.-]+" Example : "Set1"	string
resources optional	Example : ["FsResourceInfo"]	< FsResourceInfo > array
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)

Name	Description	Schema
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.150. RestoreProcessInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
error optional read-only	Reason that made the process fail. Example : "Wrong data provided by the user"	string
id optional read-only	Item ID Example : 1000	integer (int64)
processStatus optional read-only	Process status such as IN_PROGRESS, COMPLETED, FAILED Example : "IN_PROGRESS"	enum (IN_PROGRESS, COMPLETED, FAILED)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.151. Result

Name	Description	Schema
command optional	Example : CommandInfo	CommandInfo
result optional	Example : "['10.10.79.254 dev eth0 lladdr 00:1b:17:00:01:12 DELAY 10.10.65.202 dev eth0 lladdr 00:0c:29:0e:12:3b STALE 10.10.65.110 dev eth0 lladdr 00:0c:29:99:61:30 STALE link info 1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN mode DEFAULT qlen 1 link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00 2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP mode DEFAULT qlen 1000 link/ether 00:0c:29:c5:12:06 brd ff:ff:ff:ff:ff:ff 3: eth1: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP mode DEFAULT qlen 1000 link/ether 00:0c:29:c5:12:10 brd ff:ff:ff:ff:ff:ff 4: bond0: <NO-CARRIER,BROADCAST,MULTICAST,MASTER,UP> mtu 1500 qdisc noqueue state DOWN mode DEFAULT qlen 1000 link/ether 9a:5e:2b:0a:e2:fc brd ff:ff:ff:ff:ff:ff arp SUCCESS']"	< string > array

4.152. RsaConfig

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
ip optional	IP address of the DSM associated with the RSA Authentication Agent Example : "10.3.110.104"	string
rsaConfig required	BASE64 encoded file content Pattern : "^([A-Za-z0-9+/]{4})*([A-Za-z0-9+/]{4} [A-Za-z0-9+/]{3}= [A-Za-z0-9+/]{2}==)\$" Example : "OwYFI7owv5UrAdlfnOsW2Aq6boXN+IDnZFibvvz74J/vyOSi510o+/6o+4ui4AR0xROM4BlhlFc72eLav9HEUBp08+knVesmbkLRjNOYxqma3lJqYelZn0yCnvNM2EBHv2avQbHdjXIjPdGjgoP8mrDai2sYs1/xUehOwlWxL6ESQwoVTjZzp4pyyqsuuEnG4rEJZTBSLVHRODY2/PsiW3+x++eWROIf5fHf3Xr/UyepxOywXnyyWEEos6NG8wlzggQwJ1/kWolyeskvZRzN0W08nYwOYTFgfXOVZ24kvVCFJCblJyDl60pCJ3pGTebYnSV37e2CqwI2oFPKD5rs+JAZTumkI9VNaQtTeS2SogMxPBYYhiIedlMc4Az+kKModeQhcTHvpskCzOzB99Au8GScTwAnVQW4/gRrUrPeQP7j+Gln+nL9xl/ogWKf3LfOZ+Q/P9K8/Ani4Hm3wBu9MPL4n4YVS8635FaEocw6WotJsgSI3gk6N08nsi4dTS15b+jir8fh9qwRlAgLPHzkTTKIADNInmcz80I9vcRpsWGXi2zXuIu4Z6bFMiM5yvjtE+eIaepPF5...~"	string
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.153. Schedule

Name	Description	Schema
frequency required	Frequency Example : "string"	enum (DAILY, MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, SATURDAY, SUNDAY)
hour optional	Hour Example : 10	integer (int32)
minute optional	Minute Example : 30	integer (int32)

4.154. SecretInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)

Name	Description	Schema
secret required	value must meet password policy Example : "tesTest1!"	string
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.155. ServerControl

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
restart optional	Example : true	boolean
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.156. SignInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
hostName required	Host name should be of valid length between 1 and 256 and alpha numeric characters, dot"." and "-" are allowed Length : 1 - 256 Pattern : "[a-zA-Z0-9.-]+" Example : "host1"	string
id optional read-only	Item ID Example : 1000	integer (int64)
name required	Signature set name should be of valid length between 1 and 64 and alpha numeric characters, dot"." and "-" are allowed Length : 1 - 64 Pattern : "[A-Za-z0-9_.-]+" Example : "set1"	string

Name	Description	Schema
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.157. SignStatusInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
hostName optional	Host name should be of valid length between 1 and 256 and alpha numeric characters, dot"." and "-" are allowed Example : "host1"	string
id optional read-only	Item ID Example : 1000	integer (int64)
signingPercentageComplete optional	The percentage of signing completed of a signature set Example : "1...~100"	integer (int32)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.158. SignatureCreationInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	Description Length : 0 - 256 Example : "Description item"	string
id optional read-only	Item ID Example : 1000	integer (int64)
name required	Signature set name should be of valid length between 1 and 64 and alpha numeric characters, dot"." and "-" are allowed Length : 1 - 64 Pattern : "[A-Za-z0-9_.-]+" Example : "set1"	string

Name	Description	Schema
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.159. SignatureSetUpdateInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	Description Length : 0 - 256 Example : "Description item"	string
id optional read-only	Item ID Example : 1000	integer (int64)
name required	Signature set name should be of valid length between 1 and 64 and alpha numeric characters, dot"." and "-" are allowed Length : 1 - 64 Pattern : "[A-Za-z0-9_.-]+" Example : "set1"	string
signatureSourceList optional	Source Example : "['name1', 'name2']"	< string > array
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.160. StandardSecurityRule

Name	Description	Schema
actions optional read-only	Example : ["string"]	< enum (READ_FILE, WRITE_FILE, WRITE_FILE_APPENDING, CREATE_FILE, RENAME_FILE, LINK_FILE, REMOVE_FILE, READ_FILE_ATTRIBUTE, CHANGE_FILE_ATTRIBUTE, READ_FILE_SECURITY, CHANGE_FILE_SECURITY, READ_DIRECTORY, RENAME_DIRECTORY, MAKE_DIRECTORY, REMOVE_DIRECTORY, READ_DIRECTORY_ATTRIBUTE, CHANGE_DIRECTORY_ATTRIBUTE, READ_DIRECTORY_SECURITY, CHANGE_DIRECTORY_SECURITY, READ_OPERATIONS, WRITE_OPERATIONS, ALL_OPERATIONS, KEY_OPERATIONS) > array
allowBrowsing optional read-only	Example : false	boolean
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
effects required	At least one of the effect must be set Example : ["string"]	< enum (PERMIT, AUDIT, DENY, APPLY_KEY) > array
id optional read-only	Item ID Example : 1000	integer (int64)
order required	Minimum value : 1 Maximum value : 2147483647 Example : 1	integer (int32)
processset optional read-only	Example : ItemSet	ItemSet
resourceset optional read-only	Example : ItemSet	ItemSet
timeset optional read-only	Example : ItemSet	ItemSet
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

Name	Description	Schema
userSet optional read-only	Example : ItemSet	ItemSet

4.161. StreamingOutput

Type : object

4.162. Symmetric key

Name	Description	Schema
algorithm optional	Key algorithm. Conditional in case of usage keyTemplate, otherwise - required Example : "AES256"	enum (AES256, AES128, ARIA128, ARIA256)
cachedTime optional	Cached time Minimum value : 1 Maximum value : 44640 Example : 60	integer (int64)
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
creationTime optional read-only	Creation time, generated by server. Format is: 2015-07-29T23:25:59.203Z Example : "string"	string (date-time)
description optional	Description of the key Length : 0 - 256 Example : "Description"	string
encryptionMode optional	Encryption mode applicable to AES symmetric keys only. If encryption mode is not specified, (CBC, CBC_CS1, XTS), it defaults to the legacy CBC mode. This applies only to VTE agents. Example : "CBC"	enum (CBC, CBC_CS1, XTS)
expirationTime optional	Expiration time, valid format is: 2015-07-29T23:25:59.203Z To nullify use "" as a value Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
keyString optional	Key string Example : "0123456789aabbccddeeff0123456789aabbccddeeff0099"	string
keyTemplateName optional	Key template name Length : 0 - 64 Example : "myKeyTemplate"	string
keyUsageType optional read-only	Key usage type. Mandatory for creation only. Conditional in case of usage keyTemplate Example : "string"	enum (CACHED_ON_HOST, STORED_ON_SERVER, UNIQUE_CACHED_ON_HOST)
keyVersionLifeSpan optional	Key version lifespan Minimum value : 2 Example : 2	integer (int32)

Name	Description	Schema
kmipAccessible <i>optional</i>	Is the key accessible through KMIP Example : false	boolean
name <i>required</i>	Key name can start with alpha numeric characters, also underscore '_' and '-' are allowed Example : "symmetricKey"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.163. Symmetric key to clone

Name	Description	Schema
cachedTime <i>optional</i>	Cached time Minimum value : 1 Maximum value : 44640 Example : 60	integer (int64)
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Description of the key Length : 0 - 256 Example : "Description"	string
expirationTime <i>optional</i>	Expiration time, valid format is: 2015-07-29T23:25:59.203Z To nullify use "" as a value Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyUsageType <i>required</i>	Key usage type. Mandatory for creation only. Conditional in case of usage keyTemplate Example : "string"	enum (CACHED_ON_HOST, STORED_ON_SERVER, UNIQUE_CACHED_ON_HOST)
name <i>required</i>	Key name can start with alpha numeric characters, also underscore '_' and '-' are allowed Example : "KeyName"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.164. Symmetric key to import

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	Description of the key Length : 0 - 256 Example : "Description"	string
encryptionMode optional	Encryption mode applicable to AES symmetric keys only. If encryption mode is not specified, (CBC, CBC_CS1, XTS), it defaults to the legacy CBC mode. This applies only to VTE agents. Example : "CBC"	enum (CBC, CBC_CS1)
hashAlgo optional	OAEP hash. default value is SHA-256 Example : "string"	enum (SHA256, SHA384, SHA512)
id optional read-only	Item ID Example : 1000	integer (int64)
keyUsage optional	Key usage for import. Default value is 'cached_on_host' Example : "string"	enum (STORED_ON_SERVER, CACHED_ON_HOST)
maskGenHashAlgo optional	OAEP mask generation hash algorithm. Default value is SHA-256 Example : "string"	enum (SHA256, SHA384, SHA512)
name required	Key name can start with alpha numeric characters, also underscore" and '-' are allowed Length : 1 - 64 Pattern : "[\s\p{L}\p{N}.\-/+]" Example : "KeyName"	string
secret required	Base64 encoded ASN.1 some AES key material wrapped with RSA wrapping key and OAEP padding Pattern : "^([A-Za-z0-9+/]{4}) * ([A-Za-z0-9+/]{4} [A-Za-z0-9+/]{3} = [A-Za-z0-9+/]{2} ==) \$" Example : "XnevR3nTjTYDt3p1MpxtB4NJZ2z/LBiWqWfKs1/4CGFQwtDabADOA1ZLQbRMPxD3Ve5YeptQ0TGqAglTI86M+/SiCC3eTggybQs+DyPlvICuNvpkeGrgfjl9oOtuyKTOK3ADVvMa96\niQ5AlHbhaZzPwixEn0sbmRkh00bryMUJ1Xw7RYLqL9NlpFNArN8C0EQAbAPdxmrjiD32bmAdbPI7QClaryb+srKZVJ//1Qjw1a2EO/pmdKgNRCrxs89C32vGFerbFK1DEVc6RfajjwCFFiD8aczml\nPNJekLtgG7vpod6HYCYkr9dhMGZ29x2iYVlmd9q6AWsQSCG5J6GsA=="	string
type required	Key algorithm for import Example : "string"	enum (AES256, AES128)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)
uuid optional	If provided then DSM will honor provided value, otherwise it will be autogenerated Length : 36 Pattern : "[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}" Example : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1"	string

Name	Description	Schema
wrappingKeyld <i>required</i>	Wrap RSA key with 2048, 3072 or 4096 bit length Example : 55	integer (int64)

4.165. Symmetric key update

Name	Description	Schema
cachedTime <i>optional</i>	Cached time Minimum value : 1 Maximum value : 44640 Example : 10	integer (int64)
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Description of the key Length : 0 - 256 Example : "Description"	string
expirationTime <i>optional</i>	Expiration time , valid format is: 2015-07-29T23:25:59.203Z To nullify use "" as a value Example : "string"	string
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyUsageType <i>optional</i> <i>read-only</i>	Key usage type . Mandatory for creation only. Conditional in case of usage keyTemplate Example : "string"	enum (CACHED_ON_HOST, STORED_ON_SERVER, UNIQUE_CACHED_ON_HOST)
keyVersionLifeSpan <i>optional</i>	Key version lifespan Minimum value : 2 Example : 10	integer (int32)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.166. Syslog creation information

Name	Description	Schema
certificate <i>optional</i>	Certificate is mandatory if network protocol is TLS. It must be Base64 encoded value Pattern : "^([A-Za-z0-9+/] { 4 }) * ([A-Za-z0-9+/] { 4 } [A-Za-z0-9+/] { 3 } = [A-Za-z0-9+/] { 2 } ==) \$" Example : "Certificate (Base64 encoded) "	string
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)

Name	Description	Schema
id optional read-only	Item ID Example : 1000	integer (int64)
name required	Name Length : 0 - 64 Pattern : "[a-zA-Z0-9.-]+" Example : "TestValue"	string
networkProtocol required	Protocol Example : "UDP"	enum (UDP, TCP, TLS)
syslogPattern optional	Syslog pattern. Default value is 'PLAIN_MESSAGE' Example : "PLAIN_MESSAGE"	enum (PLAIN_MESSAGE, CEF, RFC5424, LEEF)
syslogPort required	Port range should be of a max length 65535 Minimum value : 1 Maximum value : 65535 Example : 8050	integer (int32)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.167. Syslog response

Name	Description	Schema
connectTimeout optional	Connect timeout Example : 60	integer (int64)
domainId optional	Domain ID Example : 3001	integer (int64)
id optional read-only	Item ID Example : 1000	integer (int64)
lastUpdated optional	Last updated timestamp Example : "string"	string (date-time)
name optional	Name Example : "Name"	string
networkProtocol optional	Protocol Example : "UDP"	enum (UDP, TCP, TLS)
syslogPattern optional	Syslog pattern. Default value is 'PLAIN_MESSAGE' Example : "PLAIN_MESSAGE"	enum (PLAIN_MESSAGE, CEF, RFC5424, LEEF)
syslogPort optional	Port number Example : 10000	integer (int32)

Name	Description	Schema
syslogStatus optional	Syslog status Example : "Status"	string
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.168. SystemConfig

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
hostName optional	Example : "host1"	string
hsm optional	Example : "string"	string
id optional read-only	Item ID Example : 1000	integer (int64)
onVirtualMachine optional	Example : true	boolean
partNumber optional	Example : "30-1000005-30"	string
serialNumber optional	Example : "999X904999"	string
sshBanner optional	Example : "Welcome to the Vormetric Data Security Manager."	string
upTime optional	Example : "11:53:19 up 1:33, 1000 users, load average: 1.04, 1.11, 1.17"	string
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)
uuid optional	Example : "f0a53e42-24b3-8c7f-abc7-ae7c472470c1"	string (uuid)

4.169. SystemControl

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
reboot optional	Example : true	boolean
shutdown optional	Example : true	boolean
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.170. TermLicense

Name	Description	Schema
agentsCount optional	Example : 25	integer (int32)
coresCount optional	Example : 40000	integer (int32)
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
expiresAt optional	Example : "2018-03-23T00:00:00.000"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.171. TermQuota

Name	Description	Schema
agentsCount optional	Example : 5	integer (int32)

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
expiresAt optional	Expiration time , valid format is: 2015-07-29T23:25:59.203Z To nullify use "" as a value Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.172. TimeSetInfo

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	Set description Length : 0 - 64 Example : "This is the set created for a policy"	string
domainId optional	Domain ID Example : 1000	integer (int64)
id optional read-only	Item ID Example : 1000	integer (int64)
name required	Set name Length : 1 - 64 Pattern : "[A-Za-z0-9_.-]+" Example : "Set1"	string
times optional read-only	Example : ["FsTimeInfo"]	< FsTimeInfo > array
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.173. UserCreationInfo

Name	Description	Schema
adminType <i>required</i>	Example : "SYSTEM_ADMIN"	enum (SYSTEM_ADMIN, DOMAIN_ADMIN, SECURITY_ADMIN, DOMAIN_SECURITY_ADMIN, ALL_ADMIN)
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Example : "Description item"	string
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
name <i>required</i>	Example : "johndoe"	string
password <i>required</i>	Length : 8 - 256 Example : "MySecret1"	string
readOnly <i>optional</i>	Example : false	boolean
rsaUserId <i>optional</i>	Example : "user1002"	string
smartCardLoginEnabled <i>optional</i>	Note that to enable/disable the smart card through the REST API, you must be logged in as a standard administrator, (not enabled for smart card). Example : false	boolean
smartCardUserMapping <i>optional</i>	Example : ["string"]	< enum (SUBJECT_CN, SUBJECT_DN, ISSUER_DN, SERIAL_NUMBER, SUBJECT_KEY_ID, PUBLIC_KEY_HASH, FASC_N, CARD_UUID, UPN, RFC822_NAME) > array
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.174. UserInfo

Name	Description	Schema
adminType <i>optional</i>	Example : "string"	enum (SYSTEM_ADMIN, DOMAIN_ADMIN, SECURITY_ADMIN, DOMAIN_SECURITY_ADMIN, ALL_ADMIN)

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Example : "Description item"	string
enabled <i>optional</i>	Example : true	boolean
global <i>optional</i>	Example : true	boolean
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
lastLoginAt <i>optional</i>	Example : "2018-03-23"	string (date-time)
lockoutAt <i>optional</i>	Example : "2018-03-22"	string (date-time)
managedDomains <i>optional</i>	Example : ["CompactDomainInfo"]	< CompactDomainInfo > array
name <i>optional</i>	Example : "johndoe"	string
passwordResetRequired <i>optional</i>	Example : true	boolean
permanent <i>optional</i>	Example : true	boolean
readOnly <i>optional</i>	Example : false	boolean
restrictedDomains <i>optional</i>	Example : ["CompactDomainInfo"]	< CompactDomainInfo > array
roles <i>optional</i>	Example : ["string"]	< enum (AUDIT, CHALLENGE_RESPONSE, CLIENT_IDENTITY, DOMAIN, HOST, KEY, POLICY) > array
rsaUserId <i>optional</i>	Example : "string"	string
smartCardLoginEnabled <i>optional</i>	Note that to enable/disable the smart card through the REST API, you must be logged in as a standard administrator, (not enabled for smart card). Example : false	boolean
smartCardUserMapping <i>optional</i>	Example : ["string"]	< enum (SUBJECT_CN, SUBJECT_DN, ISSUER_DN, SERIAL_NUMBER, SUBJECT_KEY_ID, PUBLIC_KEY_HASH, FASC_N, CARD_UUID, UPN, RFC822_NAME) > array

Name	Description	Schema
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.175. UserKeyShareInfo

Name	Description	Schema
created optional	Example : "string"	string (date-time)
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
keyShare optional	Example : "9da93e8622bbcfce875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80"	string
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)

4.176. UserSetModel

user set model for the documentation

Name	Description	Schema
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
description optional	Set description Length : 0 - 64 Example : "This is the set created for a policy"	string
domainId optional	Domain ID Example : 1000	integer (int64)
id optional read-only	Item ID Example : 1000	integer (int64)

Name	Description	Schema
name <i>required</i>	Set name Length : 1 - 64 Pattern : "[A-Za-z0-9_.-]+" Example : "Set1"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)
users <i>optional</i>	information about userSets Example : ["UserSetsInfo"]	< UserSetsInfo > array

4.177. UserSetsInfo

user set model for the documentation

Name	Description	Schema
dockerContainerID <i>optional</i>	User set docker container ID Example : "2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59" "	string
dockerImageID <i>optional</i>	User set docker image ID Example : "sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec"	string
gld <i>optional</i>	User set group ID Example : 1020	integer (int64)
gName <i>optional</i>	User set group name Example : "group1"	string
osDomain <i>optional</i>	User set OS domain Example : "domains"	string
uld <i>required</i>	User set ID Example : 1010	integer (int64)
uName <i>optional</i>	User set name Example : "user1"	string

4.178. Value bean to add guardpoints to host group

Name	Description	Schema
autoMountEnabled <i>optional</i>	Example : false	boolean
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)

Name	Description	Schema
dockerContainerId <i>optional</i>	Length : 0 - 128 Example : "2e1b4e518d02871dbab05524251f6d6d73b50a826026ee58d32c2cad37b14b59"	string
dockerImageId <i>optional</i>	Length : 0 - 128 Example : "sha256:452a96d81c30a1e426bc250428263ac9ca3f47c9bf086f76d11cb39cf57aeec"	string
earlyAccess <i>optional</i>	Example : false	boolean
efficientStorageDevice <i>optional</i>	Example : false	boolean
guardPaths <i>required</i>	Example : "/docs/folder1"	< string > array
guardPointType <i>required</i>	Example : "string"	enum (AUTO_GUARD_DIRECTORY, MANUAL_GUARD_DIRECTORY, AUTO_GUARD_RAW_BLOCK_DEVICE, MANUAL_GUARD_RAW_BLOCK_DEVICE, AUTO_CLOUD_STORAGE, MANUAL_CLOUD_STORAGE)
hostGroupName <i>required</i>	Host name should be of valid length between 1 and 64 and alpha numeric characters, dot "." and "-" are allowed Length : 1 - 64 Pattern : "^[a-zA-Z][a-zA-Z0-9_-]*\$" Example : "hostGroup1"	string
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
policyName <i>required</i>	Length : 1 - 64 Pattern : "^[a-zA-Z][a-zA-Z0-9_-]*\$" Example : "MyFirstPolicy"	string
preserveSparseRegions <i>optional</i>	Example : false	boolean
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.179. Value bean to remove guardpoints to host group

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
guardPaths <i>required</i>	Example : "/docs/folder1"	< string > array
hostGroupName <i>required</i>	Host name should be of valid length between 1 and 64 and alpha numeric characters, dot"." and "-" are allowed Length : 1 - 64 Pattern : "^[a-zA-Z][a-zA-Z0-9_-]*\$" Example : "hostGroup1"	string
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
policyName <i>required</i>	Length : 1 - 64 Pattern : "^[a-zA-Z][a-zA-Z0-9_-]*\$" Example : "MyFirstPolicy"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.180. Vault asymmetric key update

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Description of the key Length : 0 - 256 Example : "Description"	string
expirationTime <i>optional</i>	Expiration time, valid format is: 2015-07-29T23:25:59.203Z To nullify use "" as a value Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.181. Vault symmetric key update

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
description <i>optional</i>	Description of the key Length : 0 - 256 Example : "Description"	string
expirationTime <i>optional</i>	Expiration time, valid format is: 2015-07-29T23:25:59.203Z To nullify use "" as a value Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)

4.182. VaultAsymmetricKeyInfo

Name	Description	Schema
algorithm <i>required</i>	Example : "string"	enum (RSA1024, RSA2048, RSA3072, RSA4096)
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
creationTime <i>optional</i>	Creation time, valid format is: 2015-07-29T23:25:59.203Z Example : "string"	string (date-time)
description <i>optional</i>	Length : 0 - 256 Example : "Description"	string
expirationTime <i>optional</i>	Expiration time, valid format is: 2015-07-29T23:25:59.203Z To nullify use "" as a value Example : "string"	string (date-time)
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyTemplateName <i>optional</i>	Example : "MyKeyTemplate"	string
name <i>required</i>	Can contain only letters 'a-z', 'A-Z', any UTF-8 letter, minus sign '-', and must start with an alpha character Length : 0 - 64 Pattern : "[\\s\\p{L}\\p{N}_.\\-\\/=\\+]" Example : "VaultAsymKeyName"	string

Name	Description	Schema
privateKeyString required	Example : "-----BEGIN PUBLIC KEY----- \nMIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQDVA+ j jPQsWbtDaE4J3D5hRPF0 R\ny3SSmyY+ked9N2O/ml8SCF09TC1L1/BnamKmSASDeDI+rscGvzAbZnrBLsF8WE ye\ny/dt6RCch6y51g00ltJwmqeUUA1KoLfIIEoFQI5AqLfR07OQDRVRvtU/PDYQU 9tQ\n8fOXZENKdrtfmqXdfwIDAQAB\n-----END PUBLIC KEY-----\n"	string
publicKeyString required	Example : "-----BEGIN RSA PRIVATE KEY----- \nMIICXQIBAAKBgQDVA+ j jPQsWbtDaE4J3D5hRPF0Ry3SSmyY+ked9N2O/ml8SCF0 9\nnTC1L1/BnamKmSASDeDI+rscGvzAbZnrBLsF8WEyey/dt6RCch6y51g00ltJwmq eU\nUA1KoLfIIEoFQI5AqLfR07OQDRVRvtU/PDYQU9tQ8fOXZENKdrtfmqXdfwIDA QAB\nAoGAJC0Hzh+91E951K+fhozVd2Zi//Sn1YZX1mR9Bdz0ScPzxWI6Q4C9uq2v nECL\nBGZSrekpz09raY/qoZy2E8SeLYNrUswkOLKvRjkAUgabsCzhS6i78Xb7H YqwF0\nOSRxxvcbowQyTxPaQ15/4XUdd/be2WtHNfYScXDZocR7h7+ECQQD8sAfysS 194wTb\n0wPaECnbq7YjvktRj7NzcXbXkZujPWzCFTDzZ0bQhrCkaDp7PNcvfEsxg yN7UkMU\n5R73s/PJAKEA186/CMwpP59z5tvdEeI3EISvV8DuPat7dEsJF8qmad2K ygTulQtv\nImRw+O/RzS5vECD0LoeFY2auuBWd0JvRBwJAOK2TWtB7D72YHWabepI dkXRWinXo\nnlwbQjZhpu7ihXGAuwOnX7QDBVYygmN/2fiYLbk9G3ng3wTWWb1lmMN FgYQJBANS4\n3mV1mVM1gbGWF5uBOHX31D7T1gLD/bTsIdJplw+TaTmPgaK22p00F IfNHSj7FE75\nnrLZ2oG0S0jZyWfVAwhECQC84iLNYxp32geZ+r/L8j3qaVYq1HgB jE6dHI0LlovX\nnBlh0Y/vl5DrIQXU6l0isViRsIsFzctFhTULDH2sYVU7Y\n----- END RSA PRIVATE KEY-----\n"	string
updatedAt optional read-only	Update timestamp Example : "string"	string (date-time)
url optional read-only	URL of the item Example : "/v1/admins/1000"	string (uri)
validate required	Example : false	boolean

4.183. VaultSymmetricKeyInfo

Name	Description	Schema
algorithm required	Example : "string"	enum (AES128, AES256, ARIA128, ARIA256, DES3)
createdAt optional read-only	Creation timestamp Example : "string"	string (date-time)
creationTime optional	Creation time, valid format is: 2015-07-29T23:25:59.203Z Example : "string"	string (date-time)
description optional	Length : 0 - 256 Example : "Description"	string
expirationTime optional	Expiration time, valid format is: 2015-07-29T23:25:59.203Z To nullify use "" as a value Example : "string"	string (date-time)
id optional read-only	Item ID Example : 1000	integer (int64)
keyString required	Example : "abc123"	string
keyTemplateName optional	Example : "MyKeyTemplate"	string

Name	Description	Schema
name <i>required</i>	Length : 0 - 256 Pattern : "[\\s\\p{L}\\p{N}_.\\-\\/\\+]" Example : "VaultKeyName"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)
validateKeyLength <i>required</i>	Example : false	boolean

4.184. Wrapper Key Export

For additional security, wrapper keys can be broken up into key shares-pieces of a wrapper key. These key shares can then be divided amongst two or more custodians, such that each custodian must contribute their key share in order to assemble a complete wrapper key. This is also referred to as split key knowledge or M of N configuration. Refer to the DSM Administrators Guide for more information about Wrapper Key shares.

Name	Description	Schema
minimumNumberOfShares <i>required</i>	Example : 2	integer (int32)
totalNumberOfShares <i>required</i>	Example : 4	integer (int32)
userIds <i>required</i>	Example : [0]	< integer (int64) > array

4.185. WrapperKeyCreateInfo

Name	Description	Schema
description <i>optional</i>	Example : "wr-1 for DSM1"	string

4.186. WrapperKeyCurrentInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
createdBy <i>optional</i>	Example : "johndow"	string
createdDate <i>optional</i>	Example : "string"	string (date-time)
description <i>optional</i>	Example : "created for domain1"	string

Name	Description	Schema
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyIdentifier <i>optional</i>	Last 6 symbols of current wrapper key hash Example : "0de-71e"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)
value <i>optional</i>	Example : "cfe875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80cfe875629c40252c9e9a7d3092e0fc17a263b7a3d1eaa80"	string

4.187. WrapperKeyHistoryInfo

Name	Description	Schema
createdAt <i>optional</i> <i>read-only</i>	Creation timestamp Example : "string"	string (date-time)
createdBy <i>optional</i>	Example : "johndow"	string
createdDate <i>optional</i>	Example : "string"	string (date-time)
current <i>optional</i>	Example : true	boolean
description <i>optional</i>	Example : "for domain ABC"	string
id <i>optional</i> <i>read-only</i>	Item ID Example : 1000	integer (int64)
keyIdentifier <i>optional</i>	Last 6 symbols of current wrapper key Example : "0de-71e"	string
updatedAt <i>optional</i> <i>read-only</i>	Update timestamp Example : "string"	string (date-time)
url <i>optional</i> <i>read-only</i>	URL of the item Example : "/v1/admins/1000"	string (uri)



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