View and update key manager configurations

ONTAP 9.14.1 REST API reference

NetApp
April 02, 2024

This PDF was generated from https://docs.netapp.com/us-en/ontap-restapi/ontap/security_key-manager-configs_endpoint_overview.html on April 02, 2024. Always check docs.netapp.com for the latest.

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View and update key manager configurations

Security key-manager-configs endpoint overview

Overview

Retrieves or modifies the key management configuration options. The following operations are supported:

- GET
- PATCH

Examples

Retrieving cluster-level key manager configurations

The following example shows how to retrieve cluster-level manager configurations.

```
# The API:
GET /api/security/key-manager-configs

# The call:
curl -X GET 'https://<mgmt-ip>/api/security/key-manager-configs' -H
'accept: application/hal+json'

# The response:
{
  "cc_mode_enabled": false,
  "health_monitor_polling_interval": 15,
  "cloud_kms_retry_count": 3,
  "_links": {
    "self": {
      "href": "/api/security/key-manager-configs"
    }
  }
}
```

Updating the cluster-level key manager configurations

The following example shows how to modify the "health_monitor_polling_interval" and "cloud_kms_retry_count" fields.

```
# The API:
PATCH /api/security/key-manager-configs

# The call:
curl -X PATCH 'https://<mgmt-ip>/api/security/key-manager-configs' -H
'accept: application/hal+json' -d "{ \"health_monitor_polling_interval\" :
\"20\", \"cloud_kms_retry_count\" : \"5\" }"
```

Updating the cluster-level key manager configurations

The following example shows how to modify the "cc_mode".

```
# The API:
PATCH /api/security/key-manager-configs

# The call:
curl -X PATCH 'https://<mgmt-ip>/api/security/key-manager-configs' -H
'accept: application/hal+json' -d "{ \"cc_mode_enabled\" : \"true\",
\"passphrase\": \"current_passphrase\" }"
```

Retrieve key manager configurations

GET `/security/key-manager-configs`

Introduced In: 9.10

Retrieves key manager configurations.

Related ONTAP commands

- `security key-manager config show`

Parameters

Name	Type	In	Required	Description
fields	array[string]	query	False	Specify the fields to return.

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	self_link	
cc_mode_enabled	boolean	Indicates whether the Common Criteria Mode configuration is enabled.
cloud_kms_retry_count	integer	Cloud key manager connection retry count. Supported value range of 0-10.
health_monitor_polling_interval	integer	Health Monitor Polling Period, in minutes. Supported value range of 15-30 minutes.
passphrase	string	Current cluster-wide passphrase. This is a required field when setting the cc_mode_enabled field value to true. This is not audited.

Example response


```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "cloud_kms_retry_count": 3,
  "health_monitor_polling_interval": 20,
  "passphrase": "The cluster passphrase of length 64-256 ASCII
characters."
}
```


Error

```
Status: Default, Error
```

Name	Type	Description
error	returned_error	

Example error


```
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```


Definitions

See Definitions

href

Name	Type	Description
href	string	

self_link

Name	Type	Description
self	href	

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Update key manager configurations

PATCH `/security/key-manager-configs`

Introduced In: 9.10

Updates key manager configurations.

Related ONTAP commands

- `security key-manager config modify`

Request Body

Name	Type	Description
_links	self_link	
cc_mode_enabled	boolean	Indicates whether the Common Criteria Mode configuration is enabled.
cloud_kms_retry_count	integer	Cloud key manager connection retry count. Supported value range of 0-10.
health_monitor_polling_interval	integer	Health Monitor Polling Period, in minutes. Supported value range of 15-30 minutes.
passphrase	string	Current cluster-wide passphrase. This is a required field when setting the cc_mode_enabled field value to true. This is not audited.

Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "cloud_kms_retry_count": 3,
  "health_monitor_polling_interval": 20,
  "passphrase": "The cluster passphrase of length 64-256 ASCII
characters."
}
```

Response

```
Status: 200, Ok
```

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
65536139	Cluster-wide passphrase is incorrect.
65536805	Common Criteria Mode requires an effective cluster version of ONTAP 9.4 or later.
65536806	Passphrase length error.
65536807	MetroCluster cannot be configured while in Common Criteria mode.
65536809	Common Criteria mode is disabled on the cluster. Contact technical support for assistance in enabling Common Criteria mode.
65537301	The Onboard Key Manager is not enabled.
65537302	The passphrase field is required when changing cc_mode_enabled to true.
65537303	Modifying polling period requires an effective cluster version of ONTAP 9.10 or later.
65537304	Unable to modify polling period because no external key management is configured on the cluster.
65538404	Modifying cloud keymanager retry count requires an effective cluster version of ONTAP 9.11 or later.

Also see the table of common errors in the Response body overview section of this documentation.

Name	Type	Description
error	returned_error	

Example error


```
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

href

Name	Type	Description
href	string	

self_link

Name	Type	Description
self	href	

key_manager_config

Manages the various key manager configuration options.

Name	Type	Description
_links	self_link	
cc_mode_enabled	boolean	Indicates whether the Common Criteria Mode configuration is enabled.
cloud_kms_retry_count	integer	Cloud key manager connection retry count. Supported value range of 0-10.
health_monitor_polling_interval	integer	Health Monitor Polling Period, in minutes. Supported value range of 15-30 minutes.
passphrase	string	Current cluster-wide passphrase. This is a required field when setting the cc_mode_enabled field value to true. This is not audited.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

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