



Manage cluster-wide SNMP configuration

ONTAP 9.12.1 REST API reference

NetApp

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Manage cluster-wide SNMP configuration

Support SNMP endpoint overview

Overview

Cluster wide SNMP configuration. You can configure or retrieve the following SNMP parameters using this endpoint:

- enable or disable SNMP
- enable or disable SNMP authentication traps
- enable or disable SNMP traps

This endpoint can also be used to trigger an SNMP test trap.

Examples

Disables SNMP protocol in the cluster.

```
# The API:
PATCH "/api/support/snmp"

# The call
curl -H "accept: application/json" -H "Content-Type: application/json" -X
PATCH "https://<mgmt-ip>/api/support/snmp" -d '{"enabled":"false"}'

# The response
200 OK
{}
```

Enables SNMP authentication traps in the cluster.

```
# The call
curl -H "accept: application/json" -H "Content-Type: application/json" -X
PATCH "https://<mgmt-ip>/api/support/snmp" -d
'{"auth_traps_enabled":"true"}'

# The response
200 OK
{}
```

Enables SNMP protocol and SNMP authentication traps in the cluster.

```
# The call
curl -H "accept: application/json" -H "Content-Type: application/json" -X
PATCH "https://<mgmt-ip>/api/support/snmp" -d '{"enabled":"true",
"auth_traps_enabled":"true"}'

# The response
200 OK
{}
```

Disables the SNMP trap subsystem in the cluster. Once the SNMP trap subsystem is disabled, the cluster stops sending SNMP traps.

```
# The call
curl -H "accept: application/json" -H "Content-Type: application/json" -X
PATCH "https://<mgmt-ip>/api/support/snmp" -d '{"traps_enabled":"false"}'

# The response
200 OK
{}
```

Triggers an SNMP test trap.

```
# The call
curl -H "accept: application/json" -H "Content-Type: application/json" -X
PATCH "https://<mgmt-ip>/api/support/snmp" -d
'{"trigger_test_trap":"true"}'

#The response
200 OK
{}
```

Enables the SNMP protocol in the cluster, SNMP traps, and triggers an SNMP test trap.

```
# The call
curl -H "accept: application/json" -H "Content-Type: application/json" -X
PATCH "https://<mgmt-ip>/api/support/snmp" -d '{"enabled":"true",
"traps_enabled":"true", "trigger_test_trap":"true"}'

# The response
200 OK
{}
```

Retrieve the cluster-wide SNMP configuration

GET /support/snmp

Introduced In: 9.7

Retrieves the cluster wide SNMP configuration.

Related ONTAP commands

- `options snmp.enable`
- `system snmp show`

Learn more

- [DOC /support/snmp](#)

Parameters

| Name | Type | In | Required | Description |
|----------------|---------------|-------|----------|--|
| fields | array[string] | query | False | Specify the fields to return. |
| max_records | integer | query | False | Limit the number of records returned. |
| return_records | boolean | query | False | The default is true for GET calls. When set to false, only the number of records is returned. <ul style="list-style-type: none">• Default value: 1 |

| Name | Type | In | Required | Description |
|----------------|---------------|-------|----------|--|
| return_timeout | integer | query | False | <p>The number of seconds to allow the call to execute before returning. When iterating over a collection, the default is 15 seconds. ONTAP returns earlier if either max records or the end of the collection is reached.</p> <ul style="list-style-type: none"> • Default value: 1 • Max value: 120 • Min value: 0 |
| order_by | array[string] | query | False | Order results by specified fields and optional [asc |

Response

Status: 200, Ok

| Name | Type | Description |
|--------------------|---------------------------|---|
| _links | self_link | |
| auth_traps_enabled | boolean | Specifies whether to enable or disable SNMP authentication traps. |
| enabled | boolean | Specifies whether to enable or disable SNMP. |
| traps_enabled | boolean | Specifies whether to enable or disable SNMP traps. |
| trigger_test_trap | boolean | Trigger a test SNMP trap. |

Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "auth_traps_enabled": 1,
  "enabled": 1,
  "traps_enabled": 1,
  "trigger_test_trap": 1
}
```

Error

Status: Default, Error

| Name | Type | Description |
|-------|-------|-------------|
| error | 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 |

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 the cluster-wide SNMP configuration

PATCH `/support/snmp`

Introduced In: 9.7

Updates the cluster wide SNMP configuration, such as, enabling or disabling SNMP, enabling or disabling SNMP traps, and enabling or disabling authentication traps. It can also be used to trigger an SNMP test trap.

Related ONTAP commands

- `options snmp.enable`
- `system snmp authtrap`

- `system snmp init`

Learn more

- [DOC /support/snmp](#)

Request Body

| Name | Type | Description |
|--------------------|---------------------------|---|
| _links | self_link | |
| auth_traps_enabled | boolean | Specifies whether to enable or disable SNMP authentication traps. |
| enabled | boolean | Specifies whether to enable or disable SNMP. |
| traps_enabled | boolean | Specifies whether to enable or disable SNMP traps. |
| trigger_test_trap | boolean | Trigger a test SNMP trap. |

Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "auth_traps_enabled": 1,
  "enabled": 1,
  "traps_enabled": 1,
  "trigger_test_trap": 1
}
```

Response

Status: 200, Ok

Error

Status: Default

ONTAP Error Response Codes

| Error Code | Description |
|------------|---|
| 1179738 | Cluster identification not available for modification since a cluster has not been created. |
| 1179739 | Cluster identification modification is not available in maintenance mode or other boot modes. |

| Name | Type | Description |
|-------|-----------------------|-------------|
| error | 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 | |

snmp

Cluster-wide SNMP configuration.

| Name | Type | Description |
|--------------------|---------------------------|---|
| _links | self_link | |
| auth_traps_enabled | boolean | Specifies whether to enable or disable SNMP authentication traps. |
| enabled | boolean | Specifies whether to enable or disable SNMP. |
| traps_enabled | boolean | Specifies whether to enable or disable SNMP traps. |
| trigger_test_trap | boolean | Trigger a test SNMP trap. |

error_arguments

| Name | Type | Description |
|---------|--------|------------------|
| code | string | Argument code |
| message | string | Message argument |

error

| Name | Type | Description |
|-----------|--|-------------------|
| arguments | array[error_arguments] | Message arguments |
| code | string | Error code |

| Name | Type | Description |
|---------|--------|---|
| message | string | Error message |
| target | string | The target parameter that caused the error. |

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