



# **Manage cluster-wide SNMP configuration**

## **REST API reference**

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# Manage cluster-wide SNMP configuration

## Manage cluster-wide SNMP configuration

### 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
{}
```

**Sets the contact and location for the SNMP server**

```
# The call
curl -H "accept: application/json" -H "Content-Type: application/json" -X
PATCH "https://<mgmt-ip>/api/support/snmp" -d
'{"contact":"support@company.com", "location":"Building 1"}'

#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.<br><br>• 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"> <li>• Default value: 15</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul> |
| order_by       | array[string] | query | False    | Order results by specified fields and optional [asc                                                                                                                                                                                                                                                                                                   |

## Response

Status: 200, Ok

| Name               | Type                      | Description                                                       |
|--------------------|---------------------------|-------------------------------------------------------------------|
| _links             | <a href="#">self_link</a> |                                                                   |
| auth_traps_enabled | boolean                   | Specifies whether to enable or disable SNMP authentication traps. |
| contact            | string                    | Specifies the contact person for the SNMP server                  |
| enabled            | boolean                   | Specifies whether to enable or disable SNMP.                      |
| location           | string                    | Specifies the location of the SNMP server                         |
| traps_enabled      | boolean                   | Specifies whether to enable or disable SNMP traps.                |

| Name              | Type    | Description               |
|-------------------|---------|---------------------------|
| trigger_test_trap | boolean | Trigger a test SNMP trap. |

### Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "auth_traps_enabled": 1,
  "contact": "<a href="
mailto:support@company.com">support@company.com</a>",
  "enabled": 1,
  "location": "Building 1",
  "traps_enabled": 1,
  "trigger_test_trap": 1
}
```

### 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 | <a href="#">href</a> |             |

error\_arguments

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

returned\_error

| Name      | Type                                     | Description                                 |
|-----------|------------------------------------------|---------------------------------------------|
| arguments | array[ <a href="#">error_arguments</a> ] | 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
- enabling or disabling authentication traps
- setting the contact and location information for the SNMP server

- triggering 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                                                       |
|--------------------|---------|-------------------------------------------------------------------|
| auth_traps_enabled | boolean | Specifies whether to enable or disable SNMP authentication traps. |
| contact            | string  | Specifies the contact person for the SNMP server                  |
| enabled            | boolean | Specifies whether to enable or disable SNMP.                      |
| location           | string  | Specifies the location of the SNMP server                         |
| traps_enabled      | boolean | Specifies whether to enable or disable SNMP traps.                |
| trigger_test_trap  | boolean | Trigger a test SNMP trap.                                         |

## Example request

```
{
  "auth_traps_enabled": 1,
  "contact": "<a href="
mailto:support@company.com">support@company.com</a>",
  "enabled": 1,
  "location": "Building 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. |

Also see the table of common errors in the [Response body](#) overview section of this documentation.

## Definitions

## See Definitions

href

| Name | Type   | Description |
|------|--------|-------------|
| href | string |             |

self\_link

snmp

Cluster-wide SNMP configuration.

| Name               | Type    | Description                                                       |
|--------------------|---------|-------------------------------------------------------------------|
| auth_traps_enabled | boolean | Specifies whether to enable or disable SNMP authentication traps. |
| contact            | string  | Specifies the contact person for the SNMP server                  |
| enabled            | boolean | Specifies whether to enable or disable SNMP.                      |
| location           | string  | Specifies the location of the SNMP server                         |
| 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 |

returned\_error

| Name      | Type                                     | Description       |
|-----------|------------------------------------------|-------------------|
| arguments | array[ <a href="#">error_arguments</a> ] | 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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