



# **Manage cluster-wide SNMP configuration**

## **ONTAP 9.15.1 REST API reference**

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# Table of Contents

- Manage cluster-wide SNMP configuration . . . . . 1
  - Support SNMP endpoint overview . . . . . 1
  - Retrieve the cluster-wide SNMP configuration . . . . . 3
  - Update the cluster-wide SNMP configuration . . . . . 7

# 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
{}
```

**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. <ul style="list-style-type: none"><li>• Default value: 1</li></ul>

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: 1</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
<code>_links</code>	<a href="#">self_link</a>	
<code>auth_traps_enabled</code>	boolean	Specifies whether to enable or disable SNMP authentication traps.
<code>contact</code>	string	Specifies the contact person for the SNMP server
<code>enabled</code>	boolean	Specifies whether to enable or disable SNMP.
<code>location</code>	string	Specifies the location of the SNMP server
<code>traps_enabled</code>	boolean	Specifies whether to enable or disable SNMP traps.
<code>trigger_test_trap</code>	boolean	Trigger a test SNMP trap.

## Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resource/link"
    }
  },
  "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.

Name	Type	Description
error	<a href="#">returned_error</a>	

## 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>	

snmp

Cluster-wide SNMP configuration.

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.
trigger_test_trap	boolean	Trigger a test SNMP trap.

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned\_error

<b>Name</b>	<b>Type</b>	<b>Description</b>
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.

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