



# **Manage cluster-wide SNMP configuration**

## **ONTAP 9.9.1 REST API reference**

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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

### 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
{}
```

## Retrieve 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.
enabled	boolean	Specifies whether to enable or disable SNMP.

## Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "auth_traps_enabled": 1,
  "enabled": 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	<a href="#">href</a>	

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

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 cluster-wide SNMP configuration

PATCH `/support/snmp`

**Introduced In:** 9.7

Updates the cluster wide SNMP configuration, such as enabling or disabling SNMP and enabling or disabling authentication traps.

### Related ONTAP commands

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

## Learn more

- [DOC /support/snmp](#)

## Parameters

Name	Type	In	Required	Description
return_records	boolean	query	False	The default is false. If set to true, the records are returned.  • Default value:

## Request Body

Name	Type	Description
_links	<a href="#">self_link</a>	
auth_traps_enabled	boolean	Specifies whether to enable or disable SNMP authentication traps.
enabled	boolean	Specifies whether to enable or disable SNMP.

## Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "auth_traps_enabled": 1,
  "enabled": 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	<a href="#">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.
enabled	boolean	Specifies whether to enable or disable SNMP.

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

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.

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