



# **Manage cluster-wide SNMP configuration**

## **ONTAP 9.7 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

### 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"}'+++</mgmt-ip>+++
```

### 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"}'+++</mgmt-ip>+++
```

```
# The response  
200 OK
```

```
[[IDa252fa8bc210b714b24da1a130bb0a03]]  
= Retrieve cluster-wide SNMP configuration
```

```
[.api-doc-operation .api-doc-operation-get]#GET# [.api-doc-code-  
block]#`/support/snmp`#
```

Retrieves the cluster wide SNMP configuration.

== Related ONTAP commands

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

== Learn more

- \* [xref:{relative\\_path}support\\_snmp\\_endpoint\\_overview.html](#) [DOC  
/support/snmp]

== Parameters

```
[cols=5*,options=header]
```

```
|===
```

```
|Name  
|Type  
|In  
|Required  
|Description
```

```
|fields  
|array[string]  
|query  
|False
```

a|Specify the fields to return.

```
|max_records
|integer
|query
|False
a|Limit the number of records returned.
```

```
|return_records
|boolean
|query
|False
a|The default is true for GET calls. When set to false, only the number
of records is returned.
```

```
|return_timeout
|integer
|query
|False
a|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.
```

```
|order_by
|array[string]
|query
|False
a|Order results by specified fields and optional [asc|desc] direction.
Default direction is 'asc' for ascending.
```

```
|===
```

```
== Response
```

Status: 200, Ok

```

[cols=3*,options=header]
|===
|Name
|Type
|Description

|_links
|link:#self_link[self_link]
a|

|auth_traps_enabled
|boolean
a|Specifies whether to enable or disable SNMP authentication traps.

|enabled
|boolean
a|Specifies whether to enable or disable SNMP.

|===

.Example response
[%collapsible%closed]
====
[source,json,subs=+macros]
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "auth_traps_enabled": 1,
  "enabled": 1
}
====

== Error

```

Status: Default, Error

```

[cols=3*,options=header]
|===
|Name

```

```

|Type
|Description

|error
|link:#error[error]
a|

|===

.Example error
[%collapsible%closed]
=====
[source,json,subs=+macros]
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
=====

== Definitions

[.api-def-first-level]
.See Definitions
[%collapsible%closed]
//Start collapsible Definitions block
=====
[#href]
[.api-collapsible-fifth-title]
href

[cols=3*,options=header]
|===
|Name
|Type
|Description

|href
|string

```

```

a|

|===

[#self_link]
[.api-collapsible-fifth-title]
self_link

[cols=3*,options=header]
|===
|Name
|Type
|Description

|self
|link:#href[href]
a|

|===

[#error_arguments]
[.api-collapsible-fifth-title]
error_arguments

[cols=3*,options=header]
|===
|Name
|Type
|Description

|code
|string
a|Argument code

|message
|string
a|Message argument

|===

[#error]
[.api-collapsible-fifth-title]

```



```
error
```

```
[cols=3*,options=header]
```

```
|===
```

```
|Name
```

```
|Type
```

```
|Description
```

```
|arguments
```

```
|array[link:#error_arguments[error_arguments]]
```

```
a|Message arguments
```

```
|code
```

```
|string
```

```
a|Error code
```

```
|message
```

```
|string
```

```
a|Error message
```

```
|target
```

```
|string
```

```
a|The target parameter that caused the error.
```

```
|===
```

```
//end collapsible .Definitions block
```

```
====
```

```
[[IDb383117ceefc69117190647add339b4f]]
```

```
= Update cluster-wide SNMP configuration
```

```
[.api-doc-operation .api-doc-operation-patch]#PATCH# [.api-doc-code-  
block]#`/support/snmp`#
```

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

```
* xref:{relative_path}support_snmp_endpoint_overview.html[DOC  
/support/snmp]
```

== Parameters

```
[cols=5*,options=header]
```

```
|===
```

```
|Name  
|Type  
|In  
|Required  
|Description
```

```
|return_records
```

```
|boolean
```

```
|query
```

```
|False
```

```
a|The default is false. If set to true, the records are returned.
```

```
|===
```

== Request Body

```
[cols=3*,options=header]
```

```
|===
```

```
|Name  
|Type  
|Description
```

```
 |_links
```

```
|link:#self_link[self_link]
```

```
a|
```

```
|auth_traps_enabled
```

```
|boolean
```

```
a|Specifies whether to enable or disable SNMP authentication traps.
```

```
|enabled
|boolean
a|Specifies whether to enable or disable SNMP.
```

```
|===
```

```
.Example request
```

```
[%collapsible%closed]
```

```
====
```

```
[source,json,subs=+macros]
```

```
{
  "_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.
```

```

|===

[cols=3*,options=header]
|===
|Name
|Type
|Description

|error
|link:#error[error]
a|

|===

.Example error
[%collapsible%closed]
=====
[source,json,subs=+macros]
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
=====

== Definitions

[.api-def-first-level]
.See Definitions
[%collapsible%closed]
//Start collapsible Definitions block
=====
[#href]
[.api-collapsible-fifth-title]
href

[cols=3*,options=header]
|===

```

```

|Name
|Type
|Description

|href
|string
a|

|===

[#self_link]
[.api-collapsible-fifth-title]
self_link

[cols=3*,options=header]
|===
|Name
|Type
|Description

|self
|link:#href[href]
a|

|===

[#snmp]
[.api-collapsible-fifth-title]
snmp

Cluster-wide SNMP configuration.

[cols=3*,options=header]
|===
|Name
|Type
|Description

|_links
|link:#self_link[self_link]
a|

|auth_traps_enabled
|boolean

```

a|Specifies whether to enable or disable SNMP authentication traps.

|enabled

|boolean

a|Specifies whether to enable or disable SNMP.

|===

[#error\_arguments]

[.api-collapsible-fifth-title]

error\_arguments

[cols=3\*,options=header]

|===

|Name

|Type

|Description

|code

|string

a|Argument code

|message

|string

a|Message argument

|===

[#error]

[.api-collapsible-fifth-title]

error

[cols=3\*,options=header]

|===

|Name

|Type

|Description

|arguments

|array[link:#error\_arguments[error\_arguments]]

a|Message arguments

```
|code
|string
a|Error code

|message
|string
a|Error message

|target
|string
a|The target parameter that caused the error.
```

```
|===
```

```
//end collapsible .Definitions block
====
```

```
:leveloffset: -1
```

```
:leveloffset: -1
```

```
<<<
```

```
*Copyright information*
```

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