

# **Retrieve and create SNMP users**

ONTAP 9.12.1 REST API reference

NetApp February 13, 2024

This PDF was generated from https://docs.netapp.com/us-en/ontap-restapi-9121/ontap/support\_snmp\_users\_endpoint\_overview.html on February 13, 2024. Always check docs.netapp.com for the latest.

# **Table of Contents**

Retrieve and creat	NMP users
Support SNMP	s endpoint overview
Retrieve SNMP	rs on a cluster
Create a cluster	ped or an SVM-scoped SNMP user

# Retrieve and create SNMP users

# Support SNMP users endpoint overview

## Overview

Defines, retrieves and adds new SNMP users. An SNMP user can be an SNMPv1/SNMPv2c user or an SNMPv3 user. SNMPv1/SNMPv2c user is also called a "community" user. Use a "community" user to query ONTAP SNMP server over SNMPv1/SNMPv2c protocol. An SNMPv3 user, also called a User-based Security Model (USM) user, can be a local SNMPv3 user or a remote SNMPv3 user. Use a local SNMPv3 user to query ONTAP SNMP server over SNMPv3 and/or to send SNMPv3 traps. A remote SNMPv3 user is configured in ONTAP as well as on a remote switch. ONTAP SNMP client uses a remote SNMPv3 user to query the switch over SNMPv3.

## **Examples**

## Retrieves a list of SNMP users in the cluster, sorted by SVM UUID

```
# The API:
GET "/api/support/snmp/users"
# The call:
curl -H "accept: application/hal+json" -X GET "https://<mgmt-
ip>/api/support/snmp/users?order by=owner.uuid"
# The response:
"records": [
    "engine id": "80000315052d7d2c4410b8e911bc9f005056bb942e",
    "name": "snmpvluser1",
    "owner": {
      "uuid": "442c7d2d-b810-11e9-bc9f-005056bb942e"
    " links": {
      "self": {
        "href":
"/api/support/snmp/users/80000315052d7d2c4410b8e911bc9f005056bb942e/snmpv1
user1"
    }
  },
    "engine id": "80000315058e02057c0fb8e911bc9f005056bb942e",
    "name": "snmpv3user1",
    "owner": {
```

```
"uuid": "7c05028e-b80f-11e9-bc9f-005056bb942e"
    " links": {
      "self": {
        "href":
"/api/support/snmp/users/80000315058e02057c0fb8e911bc9f005056bb942e/snmpv3
user1"
     }
    }
 }
],
"num records": 2,
" links": {
 "self": {
    "href": "/api/support/snmp/users?order by=owner.uuid"
  }
}
}
```

## Creates an SNMPv1 or SNMPv2c community user

```
# The API:
POST "/api/support/snmp/users"

# The call
curl -H "accept: application/json" -H "Content-Type: application/json" -X
POST "https://<mgmt-ip>/api/support/snmp/users" -d
'{"owner":{"uuid":"02c9e252-41be-11e9-81d5-00a0986138f7",
"name":"cluster1"}, "name":"public", "authentication_method":"community"}'

# The response:
201 Created
{}
```

### Creates a local SNMPv3 user

```
# The API:
POST "/api/support/snmp/users"

# The call
curl -H "accept: application/json" -H "Content-Type: application/json" -X
POST "https://<mgmt-ip>/api/support/snmp/users" -d
'{"owner":{"uuid":"02c9e252-41be-11e9-81d5-00a0986138f7",
"name":"cluster1"}, "name":"snmpv3u1", "authentication_method":"usm",
"snmpv3":{"authentication_protocol":"sha",
"authentication_password":"jelly22fi$h", "privacy_protocol":"aes",
"privacy_password":"al1Black$"}}'

# The response:
201 Created
{}
```

#### Creates a remote SNMPv3 user

```
# The API:
POST "/api/support/snmp/users"

# The call
curl -H "accept: application/json" -H "Content-Type: application/json" -X
POST "https://<mgmt-ip>/api/support/snmp/users" -d
'{"owner":{"uuid":"02c9e252-41be-11e9-81d5-00a0986138f7",
"name":"cluster1"},
"engine_id":"8000031505b67667a26975e9118a480050568e6f74",
"name":"switchuser1", "authentication_method":"usm",
"switch_address":"fdf8:f53b:82e4::53",
"snmpv3":{"authentication_protocol":"md5",
"authentication_password":"TfhIeliw6011S.Rw$3pm"}}'

# The response:
201 Created
{}
```

# Retrieve SNMP users on a cluster

GET /support/snmp/users

Introduced In: 9.7

Retrieves the list of SNMP users on the cluster.

# **Related ONTAP commands**

- security snmpusers
- security login show -application snmp

## Learn more

• DOC /support/snmp/users

# **Parameters**

Name	Туре	In	Required	Description
snmpv3.privacy_prot ocol	string	query	False	Filter by snmpv3.privacy_prot ocol
snmpv3.authenticati on_protocol	string	query	False	Filter by snmpv3.authenticati on_protocol
authentication_meth od	string	query	False	Filter by authentication_meth od
switch_address	string	query	False	Filter by switch_address
engine_id	string	query	False	Filter by engine_id
owner.uuid	string	query	False	Filter by owner.uuid
owner.name	string	query	False	Filter by owner.name
name	string	query	False	Filter by name • maxLength: 32
scope	string	query	False	Filter by scope
comment	string	query	False	<ul><li>Filter by comment</li><li>maxLength: 128</li><li>minLength: 0</li></ul>
fields	array[string]	query	False	Specify the fields to return.

Name	Туре	In	Required	Description
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.  • Default value: 1
return_timeout	integer	query	False	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.  • 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	Туре	Description
_links	_links	
num_records	integer	Number of records.
records	array[snmp_user]	

Example response	

```
" links": {
   "next": {
     "href": "/api/resourcelink"
   },
    "self": {
     "href": "/api/resourcelink"
  },
 "num records": 1,
 "records": {
   " links": {
     "self": {
       "href": "/api/resourcelink"
     }
    },
    "authentication method": "usm",
    "comment": "This is a comment.",
    "engine id": "80000315055415ab26d4aae811ac4d005056bb792e",
    "name": "snmpv3user2",
    "owner": {
     " links": {
       "self": {
          "href": "/api/resourcelink"
       }
     },
      "name": "svm1",
     "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
    "scope": "svm",
    "snmpv3": {
     " links": {
       "self": {
          "href": "/api/resourcelink"
       }
      "authentication password": "humTdumt*@t0nAwa11",
      "authentication protocol": "sha2 256",
      "privacy password": "p@**GOandCLCt*200",
      "privacy protocol": "aes128"
    "switch address": "10.23.34.45"
 }
}
```

## **Error**

```
Status: Default, Error
```

Name	Туре	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	Туре	Description
href	string	

links

Name	Туре	Description
next	href	
self	href	

\_links

Name	Туре	Description
self	href	

### owner

Optional name and UUID of owning Storage Virtual Machine (SVM).

Name	Туре	Description
_links	_links	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

## snmpv3

Optional parameter that can be specified only for an SNMPv3 user i.e. when 'authentication\_method' is either 'usm' or 'both'. This parameter defines the SNMPv3 credentials for an SNMPv3 user.

Name	Туре	Description
_links	_links	
authentication_password	string	Authentication protocol password.
authentication_protocol	string	Authentication protocol.
privacy_password	string	Privacy protocol password.
privacy_protocol	string	Privacy protocol.

snmp\_user

An SNMP user can be an SNMPv1/SNMPv2c user or an SNMPv3 user. SNMPv1/SNMPv2c user is also called a "community" user. An SNMPv3 user, also called a User-based Security Model (USM) user, can be a local SNMPv3 user or a remote SNMPv3 user. A local SNMPv3 user can be used for querying ONTAP SNMP server over SNMPv3 and/or for sending SNMPv3 traps. The local SNMPv3 user used for sending SNMPv3 traps must be configured with the same authentication and privacy credentials on the traphost receiver as well. A remote SNMPv3 user is also configured on a remote switch and used by ONTAP SNMP client functionality to query the remote switch over SNMPv3. An SNMP user is scoped to its owning Storage Virtual Machine (SVM). Owning SVM could be a data SVM or the administrative SVM.

Name	Туре	Description
_links	_links	
authentication_method	string	Optional authentication method.
comment	string	Optional comment text.
engine_id	string	Optional SNMPv3 engine identifier. For a local SNMP user belonging to the administrative Storage Virtual Machine (SVM), the default value of this parameter is the SNMPv3 engine identifier for the administrative SVM. For a local SNMP user belonging to a data SVM, the default value of this parameter is the SNMPv3 engine identifier for that data SVM. For an SNMPv1/SNMPv2c community, this parameter should not be specified in "POST" method. For a remote switch SNMPv3 user, this parameter specifies the SNMPv3 engine identifier for the remote switch. This parameter can also optionally specify a custom engine identifier.
name	string	SNMP user name.
owner	owner	Optional name and UUID of owning Storage Virtual Machine (SVM).
scope	string	Set to "svm" for data Storage Virtual Machine (SVM) SNMP users and to "cluster" for administrative SVM SNMP users.

Name	Туре	Description
snmpv3	snmpv3	Optional parameter that can be specified only for an SNMPv3 user i.e. when 'authentication_method' is either 'usm' or 'both'. This parameter defines the SNMPv3 credentials for an SNMPv3 user.
switch_address	string	Optional remote switch address. It can be an IPv4 address or an IPv6 address. A remote switch can be queried over SNMPv3 using ONTAP SNMP client functionality. Querying such a switch requires an SNMPv3 user (remote switch user) to be configured on the switch. Since ONTAP requires remote switch user's SNMPv3 credentials (to query it), this user must be configured in ONTAP as well. This parameter is specified when configuring such a user.  • example: 10.23.34.45  • Introduced in: 9.7  • readCreate: 1

# error\_arguments

Name	Туре	Description
code	string	Argument code
message	string	Message argument

## error

Name	Туре	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message

Name	Туре	Description
target		The target parameter that caused the error.

# Create a cluster-scoped or an SVM-scoped SNMP user

POST /support/snmp/users

Introduced In: 9.7

Creates either a cluster-scoped or an SVM-scoped SNMP user. This user can be an SNMPv1 or SNMPv2c community user or an SNMPv3 user. An SNMPv3 user can be a local SNMPv3 user or a remote SNMPv3 user.

## Required properties

- owner Name and UUID of owning SVM.
- engine id Engine ID of owning SVM or remote switch.
- name SNMP user name
- authentication method Authentication method

## **Optional properties**

- switch address Optional remote switch address
- snmpv3 SNMPv3-specific credentials
- comment Comment text

## **Default property values**

- snmpv3.authentication protocol none
- snmpv3.privacy\_protocol none

### **Related ONTAP commands**

- security login create
- system snmp community add

#### Learn more

• DOC /support/snmp/users

## **Parameters**

Name	Туре	In	Required	Description
return_records	boolean	query	False	The default is false. If set to true, the records are returned.  • Default value:
return_timeout	integer	query	False	The number of seconds to allow the call to execute before returning. When doing a POST, PATCH, or DELETE operation on a single record, the default is 0 seconds. This means that if an asynchronous operation is started, the server immediately returns HTTP code 202 (Accepted) along with a link to the job. If a non-zero value is specified for POST, PATCH, or DELETE operations, ONTAP waits that length of time to see if the job completes so it can return something other than 202.  • Default value: 1 • Max value: 120 • Min value: 0

# **Request Body**

Name	Туре	Description
_links	_links	
authentication_method	string	Optional authentication method.
comment	string	Optional comment text.

Name	Туре	Description
engine_id	string	Optional SNMPv3 engine identifier. For a local SNMP user belonging to the administrative Storage Virtual Machine (SVM), the default value of this parameter is the SNMPv3 engine identifier for the administrative SVM. For a local SNMP user belonging to a data SVM, the default value of this parameter is the SNMPv3 engine identifier for that data SVM. For an SNMPv1/SNMPv2c community, this parameter should not be specified in "POST" method. For a remote switch SNMPv3 user, this parameter specifies the SNMPv3 engine identifier for the remote switch. This parameter can also optionally specify a custom engine identifier.
name	string	SNMP user name.
owner	owner	Optional name and UUID of owning Storage Virtual Machine (SVM).
scope	string	Set to "svm" for data Storage Virtual Machine (SVM) SNMP users and to "cluster" for administrative SVM SNMP users.
snmpv3	snmpv3	Optional parameter that can be specified only for an SNMPv3 user i.e. when 'authentication_method' is either 'usm' or 'both'. This parameter defines the SNMPv3 credentials for an SNMPv3 user.

Name	Туре	Description
switch_address	string	Optional remote switch address. It can be an IPv4 address or an IPv6 address. A remote switch can be queried over SNMPv3 using ONTAP SNMP client functionality. Querying such a switch requires an SNMPv3 user (remote switch user) to be configured on the switch. Since ONTAP requires remote switch user's SNMPv3 credentials (to query it), this user must be configured in ONTAP as well. This parameter is specified when configuring such a user.  • example: 10.23.34.45  • Introduced in: 9.7  • readCreate: 1

#### **Example request**

```
" links": {
   "self": {
     "href": "/api/resourcelink"
   }
 },
 "authentication method": "usm",
 "comment": "This is a comment.",
 "engine id": "80000315055415ab26d4aae811ac4d005056bb792e",
 "name": "snmpv3user2",
 "owner": {
   " links": {
     "self": {
       "href": "/api/resourcelink"
   "name": "svm1",
   "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  } ,
 "scope": "svm",
 "snmpv3": {
   " links": {
     "self": {
       "href": "/api/resourcelink"
     }
    },
   "authentication password": "humTdumt*@t0nAwa11",
    "authentication protocol": "sha2 256",
   "privacy password": "p@**GOandCLCt*200",
   "privacy protocol": "aes128"
 },
 "switch address": "10.23.34.45"
}
```

## Response

```
Status: 201, Created
```

Name	Туре	Description
_links	_links	

Name	Туре	Description
authentication_method	string	Optional authentication method.
comment	string	Optional comment text.
engine_id	string	Optional SNMPv3 engine identifier. For a local SNMP user belonging to the administrative Storage Virtual Machine (SVM), the default value of this parameter is the SNMPv3 engine identifier for the administrative SVM. For a local SNMP user belonging to a data SVM, the default value of this parameter is the SNMPv3 engine identifier for that data SVM. For an SNMPv1/SNMPv2c community, this parameter should not be specified in "POST" method. For a remote switch SNMPv3 user, this parameter specifies the SNMPv3 engine identifier for the remote switch. This parameter can also optionally specify a custom engine identifier.
name	string	SNMP user name.
owner	owner	Optional name and UUID of owning Storage Virtual Machine (SVM).
scope	string	Set to "svm" for data Storage Virtual Machine (SVM) SNMP users and to "cluster" for administrative SVM SNMP users.
snmpv3	snmpv3	Optional parameter that can be specified only for an SNMPv3 user i.e. when 'authentication_method' is either 'usm' or 'both'. This parameter defines the SNMPv3 credentials for an SNMPv3 user.

Name	Туре	Description
switch_address	string	Optional remote switch address. It can be an IPv4 address or an IPv6 address. A remote switch can be queried over SNMPv3 using ONTAP SNMP client functionality. Querying such a switch requires an SNMPv3 user (remote switch user) to be configured on the switch. Since ONTAP requires remote switch user's SNMPv3 credentials (to query it), this user must be configured in ONTAP as well. This parameter is specified when configuring such a user.  • example: 10.23.34.45  • Introduced in: 9.7  • readCreate: 1

### **Example response**

```
" links": {
   "self": {
     "href": "/api/resourcelink"
   }
 },
 "authentication method": "usm",
 "comment": "This is a comment.",
 "engine id": "80000315055415ab26d4aae811ac4d005056bb792e",
 "name": "snmpv3user2",
 "owner": {
   " links": {
     "self": {
       "href": "/api/resourcelink"
   "name": "svm1",
   "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
 "scope": "svm",
 "snmpv3": {
   " links": {
     "self": {
       "href": "/api/resourcelink"
     }
    },
    "authentication password": "humTdumt*@t0nAwa11",
    "authentication protocol": "sha2 256",
   "privacy password": "p@**GOandCLCt*200",
   "privacy protocol": "aes128"
 },
 "switch address": "10.23.34.45"
}
```

### Headers

Name	Description	Туре
Location	Useful for tracking the resource location	string

# **Error**

Status: Default

## ONTAP Error Response Codes

This operation is not allowed on a node SVM.  This operation is not permitted on a system SVM.  One role for all applications and authentication methods is recommended for a user account.  Engine ID starting with first bit set as 1 in first octet should have a minimum of 5 or maximum of 32 octets.  Engine ID specified is based on an IP address, and must therefore be 9 octets in length.  Engine ID specified is based on an IPv6 address, and must therefore be 21 octets in length.  Engine ID specified is based on a MAC address, and must therefore be 21 octets in length.  Engine ID specified is based on a MAC address, and must therefore be 11 octets in length.  Engine ID specified is based on a MAC address, and must therefore be 11 octets in length.  Engine ID specified is based on a MAC address, and must therefore be 11 octets in length.  Engine ID starting with first bit set as 0 in the first octet needs to be 12 octets in length.  Engine ID specified.  Engine ID specified.  Cannot have all zeroes.  Invalid Engine ID specified.  Cannot read SNMP user capability for data SVM.  Cannot read SNMP user capability for data SVM.  User account name is reserved for use by the system.  Cannot create an SNMP user with a role other than readonly, none, or admin.  Cannot create an SNMP user with a role other than vsadmin-readonly, none, or vsadmin.  Engine ID autor and suser with the user name, group name, or role "autosupport" because it is reserved by the system.  Failed to discover SNMPv3 engine ID of remote SNMP agent.  Failed to discover SNMPv3 engine ID of remote SNMP agent.  The switch_address parameter can be specified only for administrative SVMs.  Engine ID is already associated with user.	Error Code	Description	
One role for all applications and authentication methods is recommended for a user account.  Engine ID starting with first bit set as 1 in first octet should have a minimum of 5 or maximum of 32 octets.  Engine ID specified is based on an IP address, and must therefore be 9 octets in length.  Engine ID specified is based on an IPv6 address, and must therefore be 21 octets in length.  Engine ID specified is based on a MAC address, and must therefore be 21 octets in length.  Engine ID specified is based on a MAC address, and must therefore be 11 octets in length.  Engine ID starting with first bit set as 0 in the first octet needs to be 12 octets in length.  Engine ID starting with first bit set as 0 in the first octet needs to be 12 octets in length.  Engine ID cannot have all zeroes.  Invalid Engine ID specified.  Cannot enable SNMP user capability for data SVM.  Cannot read SNMP user capability for data SVM.  Cannot read SNMP user capability for data SVM.  User account name is reserved for use by the system.  Cannot create an SNMP user with a role other than readonly, none, or admin.  Cannot create an SNMP user with a role other than vsadmin-readonly, none, or vsadmin.  Cannot create a user with the user name, group name, or role "autosupport" because it is reserved by the system.  Failed to discover SNMPv3 engine ID of remote SNMP agent.  The switch_address parameter can be specified only for administrative SVMs.	2621475	This operation is not allowed on a node SVM.	
methods is recommended for a user account.  Engine ID starting with first bit set as 1 in first octet should have a minimum of 5 or maximum of 32 octets.  Engine ID specified is based on an IP address, and must therefore be 9 octets in length.  Engine ID specified is based on an IPv6 address, and must therefore be 21 octets in length.  Engine ID specified is based on an MAC address, and must therefore be 21 octets in length.  Engine ID specified is based on a MAC address, and must therefore be 11 octets in length.  Engine ID starting with first bit set as 0 in the first octet needs to be 12 octets in length.  Engine ID cannot have all zeroes.  Invalid Engine ID specified.  Cannot enable SNMP user capability for data SVM.  Cannot read SNMP user capability for data SVM.  Cannot read SNMP user capability for data SVM.  Cannot create an SNMP user with a role other than readonly, none, or admin.  Cannot create an SNMP user with a role other than vadmin.  Cannot create an SNMP user with a role other than vadmin-readonly, none, or vadmin.  Cannot create a user with the user name, group name, or role "autosupport" because it is reserved by the system.  Failed to discover SNMPv3 engine ID of remote SNMP agent.  The switch_address parameter can be specified only for administrative SVMs.	2621601	This operation is not permitted on a system SVM.	
should have a minimum of 5 or maximum of 32 octets.  Engine ID specified is based on an IP address, and must therefore be 9 octets in length.  Engine ID specified is based on an IPv6 address, and must therefore be 21 octets in length.  Engine ID specified is based on an IPv6 address, and must therefore be 21 octets in length.  Engine ID specified is based on a MAC address, and must therefore be 11 octets in length.  Engine ID starting with first bit set as 0 in the first octet needs to be 12 octets in length.  Engine ID cannot have all zeroes.  Invalid Engine ID specified.  Cannot enable SNMP user capability for data SVM.  Cannot read SNMP user capability for data SVM.  User account name is reserved for use by the system.  Cannot create an SNMP user with a role other than readonly, none, or admin.  Cannot create an SNMP user with a role other than vsadmin-readonly, none, or vsadmin.  Cannot create a user with the user name, group name, or role "autosupport" because it is reserved by the system.  Failed to discover SNMPv3 engine ID of remote SNMP agent.  The switch_address parameter can be specified only for administrative SVMs.	5636101		
must therefore be 9 octets in length.  5636108  Engine ID specified is based on an IPv6 address, and must therefore be 21 octets in length.  5636109  Engine ID specified is based on a MAC address, and must therefore be 11 octets in length.  5636110  Engine ID starting with first bit set as 0 in the first octet needs to be 12 octets in length.  5636111  Engine ID cannot have all zeroes.  10 Invalid Engine ID specified.  5636112  Invalid Engine ID specified.  Cannot enable SNMP user capability for data SVM.  5636116  Cannot read SNMP user capability for data SVM.  5636121  User account name is reserved for use by the system.  5636123  Cannot create an SNMP user with a role other than readonly, none, or admin.  5636124  Cannot create an SNMP user with a role other than vsadmin-readonly, none, or vsadmin.  5636126  Cannot create a user with the user name, group name, or role "autosupport" because it is reserved by the system.  5636148  Failed to discover SNMPv3 engine ID of remote SNMP agent.  The switch_address parameter can be specified only for administrative SVMs.  5636152  0.0.0.0 cannot be specified as the IP Address for the switch_address parameter.	5636106		
must therefore be 21 octets in length.  Engine ID specified is based on a MAC address, and must therefore be 11 octets in length.  Engine ID starting with first bit set as 0 in the first octet needs to be 12 octets in length.  Engine ID cannot have all zeroes.  Engine ID cannot have all zeroes.  Invalid Engine ID specified.  Cannot enable SNMP user capability for data SVM.  Cannot read SNMP user capability for data SVM.  Cannot read SNMP user capability for data SVM.  User account name is reserved for use by the system.  Cannot create an SNMP user with a role other than readonly, none, or admin.  Cannot create an SNMP user with a role other than vandmin-readonly, none, or vsadmin.  Cannot create a user with the user name, group name, or role "autosupport" because it is reserved by the system.  Failed to discover SNMPv3 engine ID of remote SNMP agent.  The switch_address parameter can be specified only for administrative SVMs.	5636107		
must therefore be 11 octets in length.  Engine ID starting with first bit set as 0 in the first octet needs to be 12 octets in length.  Engine ID cannot have all zeroes.  Engine ID specified.  Engine ID specified.  Cannot enable SNMP user capability for data SVM.  Engine ID specified.  Cannot enable SNMP user capability for data SVM.  Cannot read SNMP user capability for data SVM.  User account name is reserved for use by the system.  Cannot create an SNMP user with a role other than readonly, none, or admin.  Cannot create an SNMP user with a role other than vsadmin-readonly, none, or vsadmin.  Cannot create a user with the user name, group name, or role "autosupport" because it is reserved by the system.  Failed to discover SNMPv3 engine ID of remote SNMP agent.  The switch_address parameter can be specified only for administrative SVMs.  0.0.0.0 cannot be specified as the IP Address for the switch_address parameter.	5636108	·	
needs to be 12 octets in length.  Engine ID cannot have all zeroes.  Invalid Engine ID specified.  Cannot enable SNMP user capability for data SVM.  Cannot read SNMP user capability for data SVM.  Cannot read SNMP user capability for data SVM.  User account name is reserved for use by the system.  Cannot create an SNMP user with a role other than readonly, none, or admin.  Cannot create an SNMP user with a role other than vsadmin-readonly, none, or vsadmin.  Cannot create a user with the user name, group name, or role "autosupport" because it is reserved by the system.  Failed to discover SNMPv3 engine ID of remote SNMP agent.  The switch_address parameter can be specified only for administrative SVMs.	5636109		
Invalid Engine ID specified.  Cannot enable SNMP user capability for data SVM.  Cannot read SNMP user capability for data SVM.  Cannot read SNMP user capability for data SVM.  User account name is reserved for use by the system.  Cannot create an SNMP user with a role other than readonly, none, or admin.  Cannot create an SNMP user with a role other than vsadmin-readonly, none, or vsadmin.  Cannot create an SNMP user with a role other than vsadmin-readonly, none, or vsadmin.  Cannot create a user with the user name, group name, or role "autosupport" because it is reserved by the system.  Failed to discover SNMPv3 engine ID of remote SNMP agent.  The switch_address parameter can be specified only for administrative SVMs.  0.0.0.0 cannot be specified as the IP Address for the switch_address parameter.	5636110		
Cannot enable SNMP user capability for data SVM.  Cannot read SNMP user capability for data SVM.  Cannot read SNMP user capability for data SVM.  User account name is reserved for use by the system.  Cannot create an SNMP user with a role other than readonly, none, or admin.  Cannot create an SNMP user with a role other than vsadmin-readonly, none, or vsadmin.  Cannot create a user with the user name, group name, or role "autosupport" because it is reserved by the system.  Failed to discover SNMPv3 engine ID of remote SNMP agent.  The switch_address parameter can be specified only for administrative SVMs.  0.0.0.0 cannot be specified as the IP Address for the switch_address parameter.	5636111	Engine ID cannot have all zeroes.	
Cannot read SNMP user capability for data SVM.  User account name is reserved for use by the system.  Cannot create an SNMP user with a role other than readonly, none, or admin.  Cannot create an SNMP user with a role other than vsadmin-readonly, none, or vsadmin.  Cannot create an SNMP user with a role other than vsadmin-readonly, none, or vsadmin.  Cannot create a user with the user name, group name, or role "autosupport" because it is reserved by the system.  Failed to discover SNMPv3 engine ID of remote SNMP agent.  The switch_address parameter can be specified only for administrative SVMs.  0.0.0.0 cannot be specified as the IP Address for the switch_address parameter.	5636112	Invalid Engine ID specified.	
User account name is reserved for use by the system.  Cannot create an SNMP user with a role other than readonly, none, or admin.  Cannot create an SNMP user with a role other than vsadmin-readonly, none, or vsadmin.  Cannot create an SNMP user with a role other than vsadmin-readonly, none, or vsadmin.  Cannot create a user with the user name, group name, or role "autosupport" because it is reserved by the system.  Failed to discover SNMPv3 engine ID of remote SNMP agent.  The switch_address parameter can be specified only for administrative SVMs.  0.0.0.0 cannot be specified as the IP Address for the switch_address parameter.	5636113	Cannot enable SNMP user capability for data SVM.	
Cannot create an SNMP user with a role other than readonly, none, or admin.  Cannot create an SNMP user with a role other than vsadmin-readonly, none, or vsadmin.  Cannot create an user with the user name, group name, or role "autosupport" because it is reserved by the system.  Failed to discover SNMPv3 engine ID of remote SNMP agent.  The switch_address parameter can be specified only for administrative SVMs.  0.0.0.0 cannot be specified as the IP Address for the switch_address parameter.	5636116	Cannot read SNMP user capability for data SVM.	
readonly, none, or admin.  Cannot create an SNMP user with a role other than vsadmin-readonly, none, or vsadmin.  Cannot create a user with the user name, group name, or role "autosupport" because it is reserved by the system.  Failed to discover SNMPv3 engine ID of remote SNMP agent.  The switch_address parameter can be specified only for administrative SVMs.  0.0.0.0 cannot be specified as the IP Address for the switch_address parameter.	5636121	User account name is reserved for use by the system.	
vsadmin-readonly, none, or vsadmin.  Cannot create a user with the user name, group name, or role "autosupport" because it is reserved by the system.  Failed to discover SNMPv3 engine ID of remote SNMP agent.  The switch_address parameter can be specified only for administrative SVMs.  0.0.0.0 cannot be specified as the IP Address for the switch_address parameter.	5636123		
name, or role "autosupport" because it is reserved by the system.  5636148  Failed to discover SNMPv3 engine ID of remote SNMP agent.  The switch_address parameter can be specified only for administrative SVMs.  5636152  0.0.0.0 cannot be specified as the IP Address for the switch_address parameter.	5636124		
SNMP agent.  5636150  The switch_address parameter can be specified only for administrative SVMs.  5636152  0.0.0.0 cannot be specified as the IP Address for the switch_address parameter.	5636126	name, or role "autosupport" because it is reserved by	
for administrative SVMs.  5636152  0.0.0.0 cannot be specified as the IP Address for the switch_address parameter.	5636148	<u> </u>	
switch_address parameter.	5636150	_ , , , , , , , , , , , , , , , , , , ,	
5636153 Engine ID is already associated with user.	5636152	·	
	5636153	Engine ID is already associated with user.	

Error Code	Description
5832711	The only application permitted for user "diag" is "console."
7077897	Invalid character in username. Valid characters": "A-Z, a-z, 0-9, ".", "_", and "-". Note that the user name cannot start with "-".
7077898	The username must contain both letters and numbers.
7077899	Username does not meet length requirements.
7077906	Cannot use given role with this SVM because a role with that name has not been defined for the SVM.
9043995	Failed to create SNMP community. Reason":" SNMPv1 and SNMPv2c are not supported when cluster FIPS mode is enabled.
9043999	ONTAP failed to create an SNMPv3 user because SNMPv3 is disabled in the cluster.

Name	Туре	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	Туре	Description
href	string	

links

Name	Туре	Description
self	href	

#### owner

Optional name and UUID of owning Storage Virtual Machine (SVM).

Name	Туре	Description
_links	_links	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

### snmpv3

Optional parameter that can be specified only for an SNMPv3 user i.e. when 'authentication\_method' is either 'usm' or 'both'. This parameter defines the SNMPv3 credentials for an SNMPv3 user.

Name	Туре	Description
_links	_links	
authentication_password	string	Authentication protocol password.
authentication_protocol	string	Authentication protocol.
privacy_password	string	Privacy protocol password.
privacy_protocol	string	Privacy protocol.

#### snmp user

An SNMP user can be an SNMPv1/SNMPv2c user or an SNMPv3 user. SNMPv1/SNMPv2c user is also called a "community" user. An SNMPv3 user, also called a User-based Security Model (USM) user, can be a local SNMPv3 user or a remote SNMPv3 user. A local SNMPv3 user can be used for querying ONTAP SNMP server over SNMPv3 and/or for sending SNMPv3 traps. The local SNMPv3 user used for sending SNMPv3 traps must be configured with the same authentication and privacy credentials on the traphost receiver as well. A remote SNMPv3 user is also configured on a remote switch and used by ONTAP SNMP client functionality to query the remote switch over SNMPv3. An SNMP user is scoped to

its owning Storage Virtual Machine (SVM). Owning SVM could be a data SVM or the administrative SVM.

Name	Туре	Description
_links	_links	
authentication_method	string	Optional authentication method.
comment	string	Optional comment text.
engine_id	string	Optional SNMPv3 engine identifier. For a local SNMP user belonging to the administrative Storage Virtual Machine (SVM), the default value of this parameter is the SNMPv3 engine identifier for the administrative SVM. For a local SNMP user belonging to a data SVM, the default value of this parameter is the SNMPv3 engine identifier for that data SVM. For an SNMPv1/SNMPv2c community, this parameter should not be specified in "POST" method. For a remote switch SNMPv3 user, this parameter specifies the SNMPv3 engine identifier for the remote switch. This parameter can also optionally specify a custom engine identifier.
name	string	SNMP user name.
owner	owner	Optional name and UUID of owning Storage Virtual Machine (SVM).
scope	string	Set to "svm" for data Storage Virtual Machine (SVM) SNMP users and to "cluster" for administrative SVM SNMP users.
snmpv3	snmpv3	Optional parameter that can be specified only for an SNMPv3 user i.e. when 'authentication_method' is either 'usm' or 'both'. This parameter defines the SNMPv3 credentials for an SNMPv3 user.

Name	Туре	Description
switch_address	string	Optional remote switch address. It can be an IPv4 address or an IPv6 address. A remote switch can be queried over SNMPv3 using ONTAP SNMP client functionality. Querying such a switch requires an SNMPv3 user (remote switch user) to be configured on the switch. Since ONTAP requires remote switch user's SNMPv3 credentials (to query it), this user must be configured in ONTAP as well. This parameter is specified when configuring such a user.  • example: 10.23.34.45  • Introduced in: 9.7  • readCreate: 1

## error\_arguments

Name	Туре	Description
code	string	Argument code
message	string	Message argument

## error

Name	Туре	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

### Copyright information

Copyright © 2024 NetApp, Inc. All Rights Reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

#### **Trademark information**

NETAPP, the NETAPP logo, and the marks listed at <a href="http://www.netapp.com/TM">http://www.netapp.com/TM</a> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.