



SNMP Support APIs

Table 1: SNMP Support APIs

Action	Method	Payload Required	API
To configure communities	POST	Yes	/api/snmp/communities
To enable SNMP traps	POST	Yes	/api/config/snmp/enable/traps
To configure SNMP hosts	POST	Yes	/api/config/snmp/hosts
To configure SNMP users	POST	Yes	/api/config/snmp/users
To configure SNMP groups	POST	Yes	/api/config/snmp/groups
To view SNMP configuration	GET	No	/api/config/snmp/agent /api/snmp/communities /api/config/snmp/enable/traps /api/config/snmp/hosts /api/config/snmp/users /api/config/snmp/groups



Note SNMP Agent is enabled by default.

If the curl command is not working, run the curl commands with `-i` option. For example:

```
curl -k -i -v -u <USER>:<PASSWORD> -H Accept:application/vnd.yang.data+xml -H Content-Type:application/vnd.yang.data+xml -X DELETE https://<IP-ADDR>/api/config/snmp/hosts/
```

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Example: POST Configuring SNMP Communities

```
curl -k -v -u "admin:Cisco123#" -H "Accept:application/vnd.yang.data+xml" -H
"Content-Type:application/vnd.yang.data+xml" -X POST
https://172.19.162.235/api/snmp/communities -d '
<community>
  <community-name>test3</community-name>
  <community-access>readOnly</community-access>
</community>'
```

Table 2: Field Descriptions for SNMP Communities

Field	Description
community-name	Upto 32 char alphanumeric string (including _ and -)
community-access	Read-only

Example: POST SNMP Traps

```
curl -k -v -u "admin:XXX" -H "Accept:application/vnd.yang.data+xml" -H
"Content-Type:application/vnd.yang.data+xml" -X POST
https://172.19.162.235/api/config/snmp/enable/traps -d '
<trap-type>linkDown</trap-type>'
```

Table 3: Field Description for SNMP trap API

Field	Description
trap-type	linkUp or linkDown

Example: POST SNMP Host

```
curl -k -v -u "admin:XXX" -H "Accept:application/vnd.yang.data+xml" -H
"Content-Type:application/vnd.yang.data+xml" -X POST
https://172.19.162.235/api/config/snmp/hosts -d '
<host>
  <host-name>listen_host7</host-name>
  <host-port>162</host-port>
  <host-ip-address>10.32.172.190</host-ip-address>
  <host-version>2</host-version>
  <host-security-level>noAuthNoPriv</host-security-level>
  <host-user-name>user1</host-user-name>
</host>'
```

```
curl -k -v -u "admin:XXX" -H "Accept:application/vnd.yang.data+xml" -H
"Content-Type:application/vnd.yang.data+xml" -X POST
https://172.19.162.235/api/config/snmp/hosts -d '
<host>
  <host-name>listen_host7</host-name>
  <host-port>162</host-port>
  <host-ip-address>10.32.172.190</host-ip-address>
  <host-version>3</host-version>
  <host-security-level>authPriv</host-security-level>
  <host-user-name>user1</host-user-name>
</host>
```

Example: POST SNMP Users

```
curl -k -v -u "admin:XXXX" -H "Accept:application/vnd.yang.data+xml" -H
"Content-Type:application/vnd.yang.data+xml" -X POST
https://172.19.162.235/api/config/snmp/users -d '
<user>
  <user-name>test_user1</user-name>
  <user-version>2</user-version>
  <user-group>public</user-group>
</user>'
```

Table 4: Field Description for SNMP User API

Field	Description
passphrase	Alphanumeric string with 8 character minimum length.
auth-protocol	md5 or sha
priv-protocol	aes or des

Example: POST SNMP Groups

```
curl -k -v -u "admin:XXX" -H "Accept:application/vnd.yang.data+xml" -H
"Content-Type:application/vnd.yang.data+xml" -X POST
https://172.19.162.235/api/config/snmp/groups -d '
<group>
  <group-name>testgroup2</group-name>
  <group-context-prefix>snmp</group-context-prefix>
  <group-version>2</group-version>
  <security-level>noAuthNoPriv</security-level>
  <read>read-access</read>
  <write>write-access</write>
  <notify>notify-access</notify>
</group>'
```

Example: GET SNMP Configurations

```
curl -k -v -u "admin:XXX" -H "Accept:application/vnd.yang.data+xml" -H
```

Example: GET SNMP Configurations

```
"Content-Type:application/vnd.yang.data+xml" -X GET  
https://172.19.162.235/api/config/snmp/hosts
```