

## Steps to configure SNMP v3 on a Router/Switch

OpUtils supports SNMP v3 to backup the config files from the CISCO devices. This document provides commands to configure the SNMP v3 with basic parameters. If you wish to use the additional parameters along with the basics like Encryption, Changing the SNMP Engine ID or context name or ID, please refer the CISCO command line reference.

**Note: Please try the below steps on any of the Test CISCO devices. Once, everything works fine in the test bed then you can start configuring the Production Devices.**

- [Configure Remote IP Address with SNMP EngineID](#)
- [Define the view](#)
- [Create the Group that uses the new view for Read and Write](#)
- [Finally create the Users](#)

### Configure Remote IP Address with SNMP EngineID

Command to get the SNMP EngineID

```
sh snmp engineID
```

Sample Output:

```
cisco2611#sh snmp engineID
Local SNMP engineID: 8000000903000002FD79C
Remote Engine ID IP-addr Port
```

Note down the SNMP EngineID and use the below command to set the Remote IP Address:

```
snmp-server engineID remote <OpUtils Server IP Address> <SNMP EngineID>
```

Example: snmp-server engineID remote 192.168.110.59 8000000903000002FD79C

```
172.16.2.25 -- OpUtils Server IP Address
8000000903000002FD79C -- SNMP EngineID
```

### Define the view

Command to define view:

```
snmp-server view <view name> <mib or oid> included
```

Example:

```
snmp-server view configfile mib-2 included
```

configfile -- View name

For OpUtils Config File Manager tool, please include the below MIB's

```
snmp-server view configfile iso included
snmp-server view configfile mib-2 included
snmp-server view configfile system included
```

*snmp-server view configfile cisco included*

## **Create the Group that uses the new view for Read and Write**

Command to create Group:

*snmp-server group <Group name> v3 auth write <View name> access <Access list>*

Example:

*snmp-server group writeuser v3 auth write configfile*

writeuser -- Group name

configfile -- view name

## **Create the users**

Command to create User:

*snmp-server user <User name> <Group name> v3 auth <Password>*

Example:

*snmp-server user writemanager writeuser v3 auth authpassword123*

After creating the View, Group and users, trying adding CISCO device to the OpUtils Config File Manager.