



## Using Advanced Settings

---

- [SNMP, on page 1](#)
- [Logging, on page 3](#)
- [Reset to Factory Default, on page 5](#)

## SNMP

Simple Network Management Protocol Version 2 (SNMPv2) is a protocol for network management. This protocol is used for collecting information, configuring, and managing all the devices in the network.

## Managing SNMP using GUI

To manage SNMP using GUI, perform the following steps:

### Procedure

---

- Step 1** Click **Advanced > SNMP**.  
The SNMP Setup screen appears displaying the supported version details.

The screenshot shows the Cisco SNMP Setup configuration page. The left sidebar has a dark background with white text and icons. The main content area is light blue and contains the following configuration options:

- Version:** A blue button with a white downward arrow and the text "Version" next to a white box containing "v2c".
- SNMPv2Access:** A dropdown menu with "Enabled" selected.
- Read Only Community:** A text input field containing "public".
- Read-Write Community:** A text input field containing "private".
- SNMP Trap:** A dropdown menu with "Enabled" selected.
- SNMP Server IP:** A text input field containing "172.20.229.50".
- Apply:** A green button at the bottom right.

- Step 2** From the **SNMPv2 Access** drop-down list, choose **Enabled**.  
The default option is disabled.
- Step 3** Enter the community name in the **Read Only Community** field.  
The default option is public.
- Step 4** Enter the community name in the **Read-Write Community** field.  
The default option is private.
- Step 5** From the **SNMP Trap** drop-down list, choose **Enabled**.  
The default option is Disabled. The SNMP Trap Receiver tool receives logs and displays the SNMP traps sent from the network.
- Step 6** Enter IP address of the server in the **SNMP Server IP** field.
- Step 7** Click **Apply**.

## Managing SNMP using CLI

To manage SNMP using CLI, perform the following steps:

## Procedure

---

- Step 1** Log in to the Mobility Express controller CLI.
- Step 2** Enter the following commands to enable and view the SNMP version:
- ```
(Cisco Controller) >config snmp version v2c enable  
(Cisco Controller) >show snmpversion
```
- Step 3** Enter the following commands to configure and view the Read-Only Community:
- ```
(Cisco Controller) >config snmp community accessmode ro public  
  
(Cisco Controller) >show snmpcommunity
```
- Step 4** Enter the following commands to configure and view the Read-Write Community:
- ```
(Cisco Controller) >config snmp community accessmode rw private  
(Cisco Controller) >show snmpcommunity
```
- Step 5** Enter the following commands to configure and view the SNMP Trap Receive:
- ```
(Cisco Controller) >config snmp trapreceiver create 10.10.10.10  
  
(Cisco Controller) >show snmptrap
```
- Step 6** Enter the following commands to send the SNMP traps:
- ```
(Cisco Controller) >config snmp trapreceiver mode enable  
(Cisco Controller) >show snmptrap
```
- 

# Logging

The System Message logging feature logs the system events to a remote server, called a Syslog server. Each system event triggers a syslog message that contains the details of the event.

If the System Message logging feature is enabled, the controller sends a syslog message to the syslog server which is configured on the controller.

## System Logging using GUI

To perform system logging using GUI, follow these steps:

### Procedure

---

- Step 1** Click **Advanced > Logging**.  
The Logging Setup screen appears.
- Step 2** Choose **Enabled** from **Syslog Logging** drop-down list.  
The default option is disabled.

- Step 3** Enter the IPv4 address in the **Syslog Server IP** field.
- Step 4** From the **Logging level** drop-down list, choose syslog severity level.
- Step 5** From the **Syslog Facility** drop-down list, choose the syslog severity level.
- Step 6** Click **Apply**.

## System Logging using GUI using CLI

To perform system logging using CLI, follow these steps:

### Procedure

- Step 1** Enter the following commands to configure Syslog Server IP:

```
(Cisco Controller) >config logging syslog level <0-7>
<0-7>          Set syslog message logging message severity level.
alerts         Set syslog message logging severity to 'alerts' (severity 1).
critical       Set syslog message logging severity to 'critical' (severity 2).
debugging      Set syslog message logging severity to 'debugging' (severity 7).
emergencies    Set syslog message logging severity to 'emergencies' (severity 0).
errors         Set syslog message logging severity to 'errors' (severity 3).
informational  Set syslog message logging severity to 'informational' (severity 6).
notifications  Set syslog message logging severity to 'notifications' (severity 5).
warnings       Set syslog message logging severity to 'warnings' (severity 4).
```

**Step 2** Enter the following commands to configure Syslog Logging Facility:

```
(Cisco Controller) >config logging syslog facility <facility>
auth-private      Authorization system (private).
authorization     Authorization system.
cron              Cron/at facility.
daemon           System daemons.
ftp              FTP daemon.
kern             Kernel.
local0           Local use.
local1           Local use.
local2           Local use.
local3           Local use.
local4           Local use.
local5           Local use.
local6           Local use.
local7           Local use.
lpr              Line printer system.
mail             Mail system.
news             USENET news.
sys12            System use.
sys13            System use.
sys14            System use.
sys15            System use.
syslog           Syslog itself.
user             User process.
uucp             Unix-to-Unix copy system.
```

## Reset to Factory Default

You can change the Mobility Express network to its default configuration by performing Reset to Factory Default.

**Note**

- This operation must be performed by an Admin user. You cannot restore the previous configurations.
- Performing Reset to Factory Default using GUI deletes the controller configuration from all the Mobility Express capable Access Points which is followed by a reboot of the primary AP. After the reboot, all Mobility Express capable Access Points will broadcast the *CiscoAirProvsion* SSID.

## Mobility Express Network to Factory Default using GUI

To set Mobility Express network to factory default settings using GUI, perform the following steps:

**Procedure**

- Step 1** Click **Advanced > Reset to Factory Default**.  
The Reset Mobility Express Controller to Factory Default page appears.



- Step 2** Click **Continue**.  
A confirmation message box appears.



- Step 3** Click **Yes**.