Uplink Configuration for the CMTS Edge 16

Field Notice
May 27, 2022

Overview

Before the CMTS Edge 16 is deployed with the 1-Gigabit Ethernet SFP module it is shipped with, the Uplink Port of the CMTS must be configured to expect and recognize the 1-Gigabit Ethernet Copper SFP that is shipped with the unit.

Procedure

These are the steps to configure the CMTS Edge 16 to recognize a 1 Gigabit SFP module.
1. Connect a personal computer to the CMTS Edge Console port with a serial cable.
2. Log into the CMTS with the following credentials (factory defaults shown below) or the current credentials if you have changed them from the factory defaults:

  username: **admin**
  password: **admin**

3. At the system prompt, type the command "**enable**" to enter privileged mode.
4. At the system prompt, enter the following commands:

  conf t
  int uplink 1
  phy ge

5. At this point you will see the following message that the CMTS will reboot after you confirm by pressing "**y**":
  Uplink mode change will request system reboot, continue?(y/n) [n]
6. After the CMTS System has rebooted, at the system prompt, log into the CMTS with the same credentials as above.
7. At the system prompt, enter the command "**enable**".
8. Enter the following commands to ensure that the CMTS is expecting a 1Gigabit Ethernet SFP module:

  conf t
  int uplink 1
  show phy

The show phy command output should show that the Media is "GE":

```
Interface    Media        LinkStatus    Speed(Mbps)   DuplexMode    Description
------------------------------------------------------------------------------------
1            GE           Down          1000          Full
```

NOTE: Once you connect the CMTS uplink SFP to a network device and the interface is operational, the LinkStatus column will show the value of "Up".

The CMTS is now expecting that a 1-Gigabit Ethernet copper SFP will be installed and your network connections will work as expected.