

Configuring SNMP

The following MIBs are supported in NCS 1001.

- CISCO-OPTICAL-OTS-MIB
- CISCO-CONFIG-MAN-MIB
- CISCO-FLASH-MIB
- CISCO-ENTITY-REDUNDANCY-MIB
- CISCO-SYSTEM-MIB
- CISCO-ENTITY-ASSET-MIB
- EVENT-MIB
- DISMAN-EXPRESSION-MIB
- CISCO-FTP-CLIENT-MIB
- NOTIFICATION-LOG-MIB
- CISCO-RF-MIB
- CISCO-TCP-MIB
- UDP-MIB
- CISCO-OTN-IF-MIB
- CISCO-ENHANCED-MEMPOOL-MIB
- CISCO-PROCESS-MIB
- CISCO-SYSLOG-MIB
- ENTITY-MIB
- CISCO-ENTITY-FRU-CONTROL-MIB
- CISCO-IF-EXTENSION-MIB
- RMON-MIB
- CISCO-OPTICAL-MIB

- CISCO-ENTITY-SENSOR-MIB

Note

- CISCO-OPTICAL-OTS-MIB contains the SNMP traps for all the specific NCS 1001 alarms that are not related to other platforms. These alarms are reported through SNMP traps with appropriate severity and hardware port notification. Other MIBs such as CISCO-OPTICAL-MIB contains the SNMP traps for alarms that can also be raised on other platforms, for example, NCS 1002.
- **Configuring SNMP Traps**

  To configure SNMP traps follow the steps given below.

  1. **configure**
  2. **snmp-server traps optical-ots**
  3. **commit**

Example:

```
RP/0/RP0/CPU0:NCS1001#config
Thu Apr 27 10:24:05.868 UTC
RP/0/RP0/CPU0:NCS1001(config)#snmp-server traps optical-ots
RP/0/RP0/CPU0:NCS1001(config)#commit
Thu Apr 27 10:24:15.176 UTC
RP/0/RP0/CPU0:NCS1001(config)#
```

The following table provides more information about SNMP MIBs and the documentation links.

Task	Link
Determine the MIB definitions	SNMP Object Navigator
Configure SNMP	Configure SNMP
Understand the SNMP best practices regarding the recommended order of SNMP query, maximum cache hit, and SNMP retry and timeout recommendation	SNMP Best Practices