



## Support for MIBs

---

- [Support for MIBs, on page 1](#)

## Support for MIBs

Cisco UCS MIB files are a set of objects that are private extensions to the IETF standard MIB II. MIB II is documented in RFC 1213, *Management Information Base for Network Management of TCP/IP-based Internets: MIB-II*. Portions of MIB-II have been updated since RFC 1213. See the IETF website <http://www.ietf.org> for the latest updates to this MIB.

For more information, see [Cisco UCS MIB Files](#).

### Loading Cisco UCS MIBs Into a Network Management System

If you want to retrieve Cisco Intersight managed mode objects using read-only SNMP GET operations, you need to load all additional MIBs. The additional MIBs are generally used to retrieve inventory and configuration information using SNMP GET operations.

Before loading the IMM MIBs into Network Management System (NMS), you must first load the prerequisite MIBs into the NMS. This enables you to receive the required Fault Traps in the NMS.

### Prerequisite MIBs

The MIBs in this section are required for all use cases and need to be loaded before other Cisco MIBs are loaded.

The following is a list of MIBs from which many other MIBs import definitions:

- SNMPv2-SMI.my
- SNMPv2-TC.my
- SNMP-FRAMEWORK-MIB.my
- RFC1213-MIB.my
- IF-MIB.my
- CISCO-SMI.my
- CISCO-ST-TC.my
- ENTITY-MIB.my

- INET-ADDRESS-MIB.my
- CISCO.TC.my
- IP-MIB.my

### Supported Rack and Blade Servers CIMC MIBs

- Following are the MIB tables supported by CIMC on blade servers with server firmware version 4.2(1) and later.
  - cucsComputeBladeTable
  - cucsComputeBoardTable
  - cucsFaultTable
  - cucsEquipmentHealthLedTable
  - cucsStorageControllerTable
  - cucsStorageLocalDiskTable
  - cucsStorageLocalLunTable
  - cucsStorageRaidBatteryTable
- Following are the MIB tables supported by CIMC on blade servers with server firmware version 4.2(2) and later.
  - cucsProcessorEnvStatsTable
  - cucsProcessorUnitTable
- Following are the MIB tables supported by CIMC on blade servers with server firmware version 5.1(0) and later.
  - cucsAdaptorUnitTable
  - cucsComputeMbPowerStatsTable
  - cucsComputeMbTempStatsTable
  - cucsEquipmentGraphicsCardCapProviderTable
  - cucsMemoryUnitTable
  - cucsMemoryUnitEnvStatsTable
- The list of MIBs supported by CIMC on rack servers can be found here:  
<https://github.com/cisco/cisco-mibs/tree/main/ucs-C-Series-mibs>

### Supported Chassis IOM/IFM MIBs

Following are the MIB tables supported by chassis IOM/IFM:

- cucsEquipmentIOCardTable

- cucsEquipmentHealthLedTable
- cucsFaultTable

Following are the MIB tables supported by chassis IOM/IFM with Infra firmware version 4.3(2.230117) and later:

- cucsEquipmentFanTable
- cucsEquipmentFanModuleTable
- cucsEquipmentPSUTable

### Supported FI MIBs

The list of MIBs supported by FI in IMM can be found here:

<https://github.com/cisco/cisco-mibs/tree/main/supportlists/nexus9000>

The following link can be used to download the MIBs:

<https://github.com/cisco/cisco-mibs>

### Downloading MIBs

You can use the following links to download the required MIB:

- <https://github.com/cisco/cisco-mibs>
- <https://snmp.cloudapps.cisco.com/Support/SNMP/do/BrowseMIB.do?local=en&step=2>

Before you download the MIBs from the FTP location, ensure the following:

1. You know the names of the MIB files that you want to download.
2. Passive FTP is enabled on your browser.

After logging into the FTP location, perform the following:

1. Enter `cd/pub/mibs/ucs-mibs/` to change directories.
2. Use the **get** command to copy the required files to your local system.
3. Use the **quit** command to exit passive FTP.

