Management Information Base (MIB)

Management Information Base (MIB) is a structure that describes all objects a device can report on, such as CPU, fan, or temperature. MIB contains the name, datatype, and the object identifier (OID). MIB is a hierarchical structure, displayed as a navigation tree. Every entry in the MIB tree is a value for a specific component on a specific device.

```
+ ccitt(0)
  + iso(1)
    + standard(0)
    + stc(1)
    + member-body(2)
    + org(3)
      + dod(6)
        + internet(1)
          + directory(1)
          + mgmt(2)
            + mb(1)
              + system(1)
              + interfaces(2)
              + atm(3)
```

Each entry in the tree is followed by a number in parenthesis. Each entry in the tree can be specified using the sequence of numbers, such as `1.3.6.1(iso.org.dod.internet)`. The unique numerical value is the OID.

For more information, see [Management Information Base (MIB) for the Simple Network Management Protocol (SNMP)](#).

The following video (2:02 min) provides an explanation of MIBs and OIDs.