



MIBs Supported

This chapter describes those Management Information Base (MIBs) supported by PNNI Version 2.0. Existing MIBs include public MIBs that are part of the Internet Official Protocol Standards and are published as Request for Comments (RFC) text files. Another category of existing MIBs are Cisco Enterprise MIBs, which are common for Cisco products. In both categories, Private Network-to-Network Interface (PNNI) implementation does not support all of the tables defined in a particular MIB.

Contents of this chapter include:

- Attributes Supported
- Standard MIBs
- Cisco Enterprise MIBs

Attributes Supported

For all the `rowStatus` attributes in the PNNI MIB and CISCO-WAN-SVC-MIB, the agent supports only the following:

- `createAndGo`
- `destroy`
- `notInService`
- `active`

The Network Management System (NMS) can use `createAndGo` to create a row and `destroy` to delete a row.

Standard MIBs

The standard MIBs supported by PNNI are listed in Table 1-1.



Note

Not all of the objects in a MIB are supported by PNNI.

Table 1-1 Standard MIBs for PNNI

MIB	RFC	MIB File Name	Supported Objects
ATM PNNI MIB	atm forum pnni mib	PNNI-MIB.my	pnniBase Group, pnniNodeTable ¹ , pnniNodePglTable, pnniSummaryAddressTable pnniLinkTable, pnniNodetimerTable, pnniNodeSvccTable, pnniNodeSscopeMapping Table, Conformance and Compliance Statements Used in MIBs
ATM MIB	RFC 2515	ATM-MIB.my	atmInterfaceConfTable ²

1. pnniNodeDomain Name is not supported.

2. This object supports only atmInterfaceMyNeighborIpAddress and atmInterface MyNeighborIfName as read-only.

Cisco Enterprise MIBs

The CISCO-WAN-SVC-MIB.my file is defined for Switched Virtual Circuit (SVC) and PNNI management.

Table 1-2 shows the standard MIB that is supported by PNNI.

Table 1-2 Cisco Enterprise MIB for PNNI

MIB	RFC	MIB File Name	Supported Objects
CISCO SVC	none	CISCO-WAN-SVC-MIB.my	ciscoWANSvcInfo Group, cwspConfigTable, cwspCacConfigTable, cwspOperationTable, cwspLoadTable, cwspAddressTable, cwspCallStatsTable, cwspSigStatsTable, cwspConnTraceGroup, cwspConnTraceCntlTable, cwspConnTraceTable

Unsupported MIB Objects

Restrictions on the use of the MIB is listed in Table 1-3.



Note

Not all of the objects in a MIB are supported by PNNI.

Table 1-3 Cisco Enterprise MIB for PNNI

MIB	RFC Number	MIB File Name	Not Supported Objects
CISCO SVC	Not Applicable	CISCO-WAN-SVC-MIB.my	cwspIImiSecureLink, cwspIImiAttachmentPoint, cwspIImiLocalAttrStd, cwspIImiUCSMEnable ¹ , cwspSpvcNodePrefix, cwspMaxP2pCalls ²

1. This object is not supported.
2. This object is implemented as read-only.

