APPENDIX F

MIB Reference

This appendix contains:

BWG Specific MIBs

The Cisco Mobile Wireless Transport Manager (MWTM) queries these BWG specific Management Information Bases (MIBs), listed in alphabetical order:

MIB	Description
CISCO-ASN-GATEWAY-MIB.my	Manages Cisco's Broadband Wireless Gateway (BWG).
CISCO-SLB-DFP-MIB.my	Reports the congestion status of the real server. This MIB generates notifications when the congestion state is detected on the real server.

MIB	Description
CISCO-SLB-EXT-MIB.my	Supports Server Load Balancing Manager(s). This MIB extends the SLB management functionality in the CISCO-SLB-MIB. The Cisco Content Switching Module (CSM) product is the first SLB product to support this MIB.
CISCO-SLB-MIB.my	Supports Server Load Balancing Manager(s), such as the Cisco IOS SLB product. This MIB includes instrumentation for the manager-side implementation of the Dynamic Feedback Protocol (DFP). A DFP uses the DFP protocol to communicate with DFP agents in order to obtain information about Servers. This MIB includes the objects required for implementing the load balancer management side of the Server/Application State Protocol (SASP). The load balancer is responsible for registering Members with a SASP-Agent. A Member is an entity that is defined on the load balancer to service Internet traffic. The responsibility of the Agent is to monitor the Members, and report a recommended weight to the load balancer. The weight is then used in load balancing decisions.

Common MIBs

The MWTM queries these general MIBs, listed in alphabetical order:

MIB	Description
ATM-MIB.my	Module for ATM and AAL5-related objects for managing ATM interfaces, ATM virtual links, ATM cross-connects, AAL5 entities, and AAL5 connections.
ATM-TC-MIB.my	Provides Textual Conventions and OBJECT-IDENTITY Objects to be used by ATM systems.
BRIDGE-MIB.my	Manages devices that support IEEE 802.1D.
CISCO-AAA-SERVER-MIB.my	Provides configuration and statistics reflecting the state of authentication, authorization, and accounting (AAA) server operation in the node and AAA communications with external servers.
CISCO-ACCESS-ENVMON-MIB.my	Describes the additional status of the Environmental Monitor on those Cisco Access devices which support one.
CISCO-CEF-MIB.my	Manages CISCO Express Forwarding (CEF).
CISCO-CEF-TC.my	Defines Textual Conventions for Cisco Express Forwarding (CEF).
CISCO-CLASS-BASED-QOS-MIB.my	Class-Based QoS Configuration and Statistics MIB. This MIB provides read access to Quality of Service (QoS) configuration and statistics information for Cisco platforms that support the Modular Quality of Service Command-line Interface (Modular QoS CLI).

MIB	Description
CISCO-CONFIG-MAN-MIB.my	Provides configuration management, primarily by tracking changes and saving the running configuration. This MIB represents a model of configuration data that exists in various locations: • running—In use by the running system • terminal—Logical or attached hardware • local—Saved locally in NVRAM or flash • remote—Saved to a server on the network
CISCO-EMBEDDED-EVENT-MGR-MIB.my	Describes and stores the events generated by the Cisco Embedded Event Manager.
CISCO-ENHANCED-MEMPOOL-MIB.my	Monitors the memory pools of all physical entities on a managed system.
CISCO-ENTITY-ALARM-MIB.my	Defines the managed objects that support the monitoring of alarms generated by physical entities contained by the system, including chassis, slots, modules, ports, power supplies, and fans.
CISCO-ENTITY-EXT-MIB.my	Extension of the ENTITY-MIB specified in RFC2737. Contains Cisco-defined extensions to the entityPhysicalTable to represent information related to entities of class module(entPhysicalClass = 'module') which have a Processor.
CISCO-ENTITY-FRU-CONTROL CAPABILITY.my	Provides additional capabilities for various platforms that are needed by the *CISCO-ENTITY-FRU-CONTROL-MIB*.
CISCO-ENTITY-FRU-CONTROL-MIB.my	Monitors and configures the operational status of Field Replaceable Units (FRUs) of the system listed in the Entity-MIB (RFC 2037) entPhysicalTable. FRUs include assemblies such as power supplies, fans, processor modules, interface modules, and so forth.
CISCO-ENTITY-SENSOR-MIB.my	Monitors the values of sensors in the Entity-MIB (RFC 2037) entPhysicalTable.
CISCO-ENTITY-VENDORTYPE-OID-MIB.my	Defines the object identifiers that are assigned to various components on Cisco products, which are used by the entPhysicalTable of the ENTITY-MIB to uniquely identify the type of each physical entry.
CISCO-ENVMON-MIB.my	Provides environmental monitoring information on Cisco ITPs.
CISCO-EPM-NOTIFICATION-MIB.my	Defines the trap structure that carries the identity and status information of the managed object. The MWTM can send internal events as traps defined in this MIB to third-party network management system (NMS) applications for further processing.
CISCO-ETHER-CFM-MIB.my	Defines the managed objects and notifications for Ethernet Connectivity Fault Management (CFM).
CISCO-FLASH-MIB.my	Provides management of Cisco Flash Devices.
CISCO-FRAME-RELAY-MIB.my	Cisco Frame Relay MIB file. This MIB provides Frame Relay specific information.
CISCO-GENERAL-TRAPS-MIB.my	Provides TCP connection details (reload and connection close).
CISCO-HSRP-EXT-MIB.my	Provides an extension to the *CISCO-HSRP-MIB* which defines Cisco's proprietary Hot Standby Routing Protocol (HSRP). The extensions cover assigning of secondary HSRP IP addresses and modifying an HSRP group's priority by tracking the operational status of interfaces.

MIB	Description
CISCO-HSRP-MIB.my	Provides a means to monitor and configure the Cisco IOS proprietary Hot Standby Router Protocol (HSRP). Cisco HSRP protocol is defined in RFC2281.
CISCO-ICSUDSU-MIB.my	Integrated CSU/DSU MIB module for T1 and switched 56 kbps interfaces.
CISCO-IF-EXTENSION-MIB.my	Extension to the *CISCO-IETF-SCTP-MIB* used to provide additional information to manage the Stream Control Transmission Protocol (RFC 2960).
CISCO-MEMORY-POOL-MIB.my	Module for monitoring memory pools.
CISCO-PROCESS-MIB.my	Shows memory and CPU on Cisco nodes. CPU gives a general idea of how busy the processor is. The numbers are a ratio of the current idle time divided by the longest idle time.
CISCO-PRODUCTS-MIB.my	Defines the object identifiers that are assigned to various hardware platforms, and hence are returned as values for sysObjectID.
CISCO-QOS-PIB-MIB.my	Cisco QoS Policy PIB for provisioning QoS policy.
CISCO-RESILIENT-ETHERNET-PROTOCOL-MIB.my	Supports the Resilient Ethernet Protocol Feature.
CISCO-RF-MIB.my	Provides configuration control and status for the Redundancy Framework (RF) subsystem. RF provides a mechanism for logical redundancy of software functionality and is designed to support 1-to-1 redundancy on processor cards. Redundancy is concerned with the duplication of data elements and software functions to provide an alternative in case of failure.
CISCO-RTTMON-MIB.my	Defines a MIB for Round Trip Time (RTT) monitoring of a list of targets, using a variety of protocols.
CISCO-SMI.my	Defines the Structure of Management Information for the Cisco enterprise.
CISCO-STACK-MIB.my	Provides configuration and runtime status for chassis, modules, ports, and so on, on the Catalyst systems.
CISCO-SYSLOG-MIB.my	Provides a means of gathering syslog messages generated by the Cisco IOS. The MWTM can send internal events as traps defined in this MIB to third-party NMS applications for further processing.
CISCO-TC.my	Defines textual conventions used throughout Cisco enterprise MIBs.
CISCO-VTP-MIB.my	Module for entities implementing the VTP protocol and VLAN management.
ENTITY-MIB.my	Module that represents multiple logical entities supported by a single SNMP agent. This MIB is based on RFC 2737. For more information on entity MIBs, see RFC 2037 section 3.
EtherLike-MIB.my	Describes generic objects for ethernet-like network interfaces.
FDDI-SMT73-MIB.my	Contains information for FDDI (Fiber Distributed Data Interface).
HCNUM-TC.my	Contains textual conventions for high capacity data types. This module addresses an immediate need for data types not directly supported in the SMIv2. This short-term solution is meant to be deprecated when a long-term solution is deployed.

MIB	Description
IANAifType-MIB.my	Defines the IANAifType Textual Convention, and thus the enumerated values of the ifType object defined in MIB-II's ifTable.
IF-MIB.my	Describes generic objects for network interface sublayers. This MIB is an updated version of MIB-II's ifTable, and incorporates the extensions defined in RFC 1229.
IMA-MIB.my	Module that manages ATM Forum Inverse Multiplexing for ATM (IMA) interfaces.
INET-ADDRESS-MIB.my	Defines textual conventions for representing Internet addresses. An Internet address can be an IPv4 address, an IPv6 address, or a DNS domain name. This module also defines textual conventions for Internet port numbers, autonomous system numbers, and the length of an Internet address prefix.
OLD-CISCO-INTERFACES-MIB.my	Defines interfaces for the Cisco enterprise.
OLD-CISCO-SYS-MIB.my	Provides a means of gathering basic information for an IOS node.
OLD-CISCO-SYSTEM-MIB.my	Old Cisco System MIB file.
OLD-CISCO-TCP-MIB.my	Old Local TCP MIB file.
OLD-CISCO-TS-MIB.my	Cisco Terminal Service MIB file.
OSPF-MIB.my	Describes the OSPF version 2 protocol.
OSPF-TRAP-MIB.my	Describes the traps for the OSPF version 2 protocol.
P-BRIDGE-MIB.my	Manages Priority and Multicast Filtering,defined by IEEE 802.1D-1998.
PerfHist-TC-MIB.my	Provides Textual Conventions to be used by systems supporting 15 minute-based performance history counts.
Q-BRIDGE-MIB.my	Manages Virtual Bridged Local Area Networks as defined by IEEE 802.1Q-2003.
RFC1213-MIB.my	Provides basic management information on the ITP (RFC 1213).
RFC1315-MIB.my	Frame Relay MIB file.
RFC1406-MIB.my	Contains DS1 (T1/E1) line information.
RMON2-MIB.my	Module for managing remote monitoring device implementations. This MIB module augments the original *RMON MIB* as specified in RFC 1757.
RMON-MIB.my	Remote network monitoring devices, often called monitors or probes, are instruments that exist for the purpose of managing a network. This MIB defines objects for managing remote network monitoring devices.
SNMP-FRAMEWORK-MIB.my	Defines the SNMP Management Architecture.
SNMP-TARGET-MIB.my	Defines the MIB objects that provide mechanisms to remotely configure the parameters used by an SNMP entity for the generation of SNMP messages.
SNMPv2-CONF.my	Defines SNMPv2 conformance.
SNMPv2-MIB.my	Defines SNMPv2 entities.
SNMPv2-SMI.my	Defines the Structure of Management Information for SNMPv2.
SNMPv2-TC.my	Defines textual conventions for SNMPv2.
TOKEN-RING-RMON-MIB.my	Contains Token Ring monitoring information.

CSG1 Specific MIBs

The MWTM queries these CSG1 specific MIBs, listed in alphabetical order:

MIB	Description
CISCO-CSG-MIB.my	Supports the Cisco Content Services Gateway (CSG) product. It includes five traps and four tables that enable querying CSG resource statistics.
CISCO-SLB-DFP-MIB.my	Reports the congestion status of the real server. This MIB generates notifications when the congestion state is detected on the real server.
CISCO-SLB-EXT-MIB.my	Supports Server Load Balancing Manager(s). This MIB extends the SLB management functionality in the CISCO-SLB-MIB. The Cisco Content Switching Module (CSM) product is the first SLB product to support this MIB.
CISCO-SLB-MIB.my	Supports Server Load Balancing Manager(s), such as the Cisco IOS SLB product. This MIB includes instrumentation for the manager-side implementation of the Dynamic Feedback Protocol (DFP). A DFP uses the DFP protocol to communicate with DFP agents in order to obtain information about Servers. This MIB includes the objects required for implementing the load balancer management side of the Server/Application State Protocol (SASP). The load balancer is responsible for registering Members with a SASP-Agent. A Member is an entity that is defined on the load balancer to service Internet traffic. The responsibility of the Agent is to monitor the Members, and report a recommended weight to the load balancer. The weight is then used in load balancing decisions.

CSG2 Specific MIBs

The MWTM queries these CSG2 specific MIBs, listed in alphabetical order:

MIB	Description
CISCO-CONTENT-SERVICES-MIB.my	Content Service is a capability to examine IP/TCP/UDP headers, payload and enable billing based on the content being provided.
CISCO-DIAMETER-BASE-PROTOCOL-MIB.my	Module for the entities implementing the Diameter Base Protocol.
CISCO-MOBILE-POLICY-CHARGING-CONTROL-MIB.my	Contains the Policy Control and Charging (PCC) configurations/statistics which are implemented on the Mobile PCC infrastructure.
CISCO-SLB-DFP-MIB.my	Reports the congestion status of the real server. This MIB generates notifications when the congestion state is detected on the real server.
CISCO-SLB-EXT-MIB.my	Supports Server Load Balancing Manager(s). This MIB extends the SLB management functionality in the CISCO-SLB-MIB. The Cisco Content Switching Module (CSM) product is the first SLB product to support this MIB.

MIB	Description
CISCO-SLB-MIB.my	Supports Server Load Balancing Manager(s), such as the Cisco IOS SLB product. This MIB includes instrumentation for the manager-side implementation of the Dynamic Feedback Protocol (DFP). A DFP uses the DFP protocol to communicate with DFP agents in order to obtain information about Servers. This MIB includes the objects required for implementing the load balancer management side of the Server/Application State Protocol (SASP). The load balancer is responsible for registering Members with a SASP-Agent. A Member is an entity that is defined on the load balancer to service Internet traffic. The responsibility of the Agent is to monitor the Members, and report a recommended weight to the load balancer. The weight is then used in load balancing decisions.
CISCO-TAP2-MIB.my	This module manages Cisco's intercept feature. This MIB replaces CISCO-TAP-MIB and it defines a generic stream table that contains fields common to all intercept types. Specific intercept filters are defined in extension MIBs.
CISCO-NTP-MIB.my	This MIB module defines a MIB which provides mechanisms to monitor an NTP server. The Network Time Protocol (NTP) Version 3, is used to synchronize timekeeping among a set of distributed time servers and clients. The service model is based on a returnable-time design which depends only on measured clock offsets, but does not require reliable message delivery. The synchronization subnet uses a self-organizing, hierarchical master-slave configuration, with synchronization paths determined by a minimum-weight spanning tree. While multiple masters (primary servers) may exist, there is no requirement for an election protocol.

GGSN Specific MIBs

The MWTM queries these GGSN specific MIBs, listed in alphabetical order:

MIB	Description
CISCO-DIAMETER-BASE-PROTOCOL-MIB.my	Module for the entities implementing the Diameter Base Protocol.
CISCO-GGSN-EXT-MIB.my	Extends extends the CISCO-GGSN-MIB and manages the Gateway GPRS Support Node (GGSN) devices. A GGSN device provides interworking with external packet-data network of a particular GPRS service provider. It provides a combination of IP routing and GPRS specific functionality to support mobile users.
CISCO-GGSN-MIB.my	Manages the Gateway GPRS Support Node (GGSN) devices.
CISCO-GGSN-QOS-MIB.my	Manages the Quality of Service parameters of GGSN in a GPRS system.
CISCO-GGSN-SERVICE-AWARE-MIB.my	Manages the service-aware feature of Gateway GPRS Support Node (GGSN). This MIB is an enhancement of the *CISCO-GGSN-MIB*.

MIB	Description
CISCO-GPRS-ACC-PT-MIB.my	Supports access point configuration for GGSN in a GPRS system. GPRS [1] is a GSM network providing mobile wireless data communication services.
CISCO-GPRS-CHARGING-MIB.my	Manages the charging related function on the GGSN node of a GPRS system.
CISCO-GTP-MIB.my	Manages the GPRS Tunnelling Protocol (GTP) on GGSN and SGSN.
CISCO-IP-LOCAL-POOL-MIB.my	Defines the configuration and monitoring capabilities relating to local IP pools.
CISCO-PSD-CLIENT-MIB.my	Manages the client side functionality of the Persistent Storage Device (PSD).
CISCO-SLB-DFP-MIB.my	Reports the congestion status of the real server. This MIB generates notifications when the congestion state is detected on the real server.
CISCO-SLB-EXT-MIB.my	Supports Server Load Balancing Manager(s). This MIB extends the SLB management functionality in the CISCO-SLB-MIB. The Cisco Content Switching Module (CSM) product is the first SLB product to support this MIB.
CISCO-SLB-MIB.my	Supports Server Load Balancing Manager(s), such as the Cisco IOS SLB product. This MIB includes instrumentation for the manager-side implementation of the Dynamic Feedback Protocol (DFP). A DFP uses the DFP protocol to communicate with DFP agents in order to obtain information about Servers. This MIB includes the objects required for implementing the load balancer management side of the Server/Application State Protocol (SASP). The load balancer is responsible for registering Members with a SASP-Agent. A Member is an entity that is defined on the load balancer to service Internet traffic. The responsibility of the Agent is to monitor the Members, and report a recommended weight to the load balancer. The weight is then used in load balancing decisions.
CISCO-TAP2-MIB.my	This module manages Cisco's intercept feature. This MIB replaces CISCO-TAP-MIB and it defines a generic stream table that contains fields common to all intercept types. Specific intercept filters are defined in extension MIBs.
CISCO-NTP-MIB.my	This MIB module defines a MIB which provides mechanisms to monitor an NTP server. The Network Time Protocol (NTP) Version 3, is used to synchronize timekeeping among a set of distributed time servers and clients. The service model is based on a returnable-time design which depends only on measured clock offsets, but does not require reliable message delivery. The synchronization subnet uses a self-organizing, hierarchical master-slave configuration, with synchronization paths determined by a minimum-weight spanning tree. While multiple masters (primary servers) may exist, there is no requirement for an election protocol.

HA Specific MIBs

The MWTM queries these HA specific MIBs, listed in alphabetical order:

MIB	Description
CISCO-IP-LOCAL-POOL-MIB.my	Defines the configuration and monitoring capabilities relating to local IP pools.
CISCO-MOBILE-IP-MIB.my	Extension to the *IETF MIB* module defined in RFC-2006 for managing Mobile IP implementations.

MIB	Description
CISCO-SLB-DFP-MIB.my	Reports the congestion status of the real server. This MIB generates notifications when the congestion state is detected on the real server.
CISCO-SLB-EXT-MIB.my	Supports Server Load Balancing Manager(s). This MIB extends the SLB management functionality in the CISCO-SLB-MIB. The Cisco Content Switching Module (CSM) product is the first SLB product to support this MIB.
CISCO-SLB-MIB.my	Supports Server Load Balancing Manager(s), such as the Cisco IOS SLB product. This MIB includes instrumentation for the manager-side implementation of the Dynamic Feedback Protocol (DFP). A DFP uses the DFP protocol to communicate with DFP agents in order to obtain information about Servers. This MIB includes the objects required for implementing the load balancer management side of the Server/Application State Protocol (SASP). The load balancer is responsible for registering Members with a SASP-Agent. A Member is an entity that is defined on the load balancer to service Internet traffic. The responsibility of the Agent is to monitor the Members, and report a recommended weight to the load balancer. The weight is then used in load balancing decisions.
RFC2006-MIB.my	Module for the Mobile IP.

ITP Specific MIBs

The MWTM queries these ITP specific MIBs, listed in alphabetical order:

MIB	Description
CISCO-BITS-CLOCK-MIB.my	Provides information on Building Integrated Timing Supply (BITS) clocking sources and operation modes. The MWTM can generate notifications to indicate when clocking sources change roles or become unavailable.
CISCO-IETF-SCTP-EXT-MIB.my	Extension to *CISCO-IETF-SCTP-MIB* that provides additional information to manage SCTP (RFC 2960).
CISCO-IETF-SCTP-MIB.my	The MIB module for managing SCTP protocol (RFC 2960).
CISCO-ITP-ACL-MIB.my	Manages access lists that control messages sent over SS7 networks using ITP.
CISCO-ITP-ACT-MIB.my	Provides information specified in ITU Q752 Monitoring and Measurements for SS7 networks. This information is used to manage messages sent over SS7 networks using ITP. This MIB has been deprecated and replaced by the *CISCO-ITP-GACT-MIB*.
CISCO-ITP-DSMR-MIB.my	Provides information about Distributed Short Message Routing for Short Message Service Center. This MIB will provide information used to control and measure SS7 messages signaling units in a SS7 Network. Message Signaling Units are routed based on information found in the SCCP, TCAP, MAP, and MAP-user layers.
CISCO-ITP-DSMR-SMPP-MIBmy	Provides information about Distributed Short Message Routing delivery using Short Message Peer-to-Peer protocol.
CISCO-ITP-DSMR-UCP-MIB.my	Provides information about Distributed Short Message Routing delivery using Universal Computer Protocol.

MIB	Description
CISCO-ITP-GACT-MIB.my	Provides information specified in ITU Q752 Monitoring and Measurements for SS7 networks. This information is used to manage messages sent over SS7 networks using ITP. This MIB replaces the *CISCO-ITP-ACT-MIB* and supports multiple instances of a signaling point in the same configuration.
CISCO-ITP-GRT-MIB.my	Manages information required to route messages sent over SS7 networks using ITP. This MIB replaces the *CISCO-ITP-RT-MIB* and supports multiple instances of a signaling point in the same configuration.
CISCO-ITP-GSCCP-MIB.my	Provides information specified in ITU Q752 Monitoring and Measurements for SS7 networks. This information is used to manage Signaling Connection Control Part (SCCP) messages sent over SS7 networks using ITP. This MIB replaces the *CISCO-ITP-SCCP-MIB* and supports multiple instances of a signaling point in the same configuration.
CISCO-ITP-GSP-MIB.my	Manages signaling points and associated messages sent over SS7 networks using ITP. This MIB replaces the *CISCO-ITP-SP-MIB* and supports multiple instances of a signaling point in the same configuration.
CISCO-ITP-GSP2-MIB.my	Provides information specified in ITU Q752 Monitoring and Measurements for SS7 networks. This information is used to manage messages sent over SS7 networks using ITP. This MIB replaces the *CISCO-ITP-SP2-MIB* and supports multiple instances of a signaling point in the same configuration.
CISCO-ITP-MLR-MIB.my	Provides information about Multi-Layer Routing (MLR). This information is used to control and measure SS7 message signaling units (MSUs) in an SS7 network.
CISCO-ITP-MONITOR-MIB.my	Provides information about monitoring SS7 links. This information is used to manage the state of software used to collect all packets transported and received over an SS7 link.
CISCO-ITP-MSU-RATES-MIB.my	Provides information used to manage the number of MTP3 MSUs transmitted and received per processor. Many of the higher level protocols require several MSUs per transaction. Traffic capacity planning is based on MSUs, not transactions. This MIB provides information to determine current traffic.
CISCO-ITP-RT-MIB.my	Manages the route tables used to control messages sent over SS7 networks using ITP. This MIB has been deprecated and replaced by the *CISCO-ITP-GRT-MIB*.
CISCO-ITP-SCCP-MIB.my	Manages SCCP messages sent over SS7 networks using ITP, and provides information specified in ITU Q752 Monitoring and Measurements for SS7 networks. This MIB has been deprecated and replaced by the *CISCO-ITP-GSCCP-MIB*.
CISCO-ITP-SP-MIB.my	Manages signaling points and associated linksets and links in SS7 networks using ITP.
CISCO-ITP-SP2-MIB.my	Provides Quality of Service (QoS) information related to the configuration of an SS7 network. Also provides MTP3 event history information. This MIB has been deprecated and replaced by the *CISCO-ITP-GSP2-MIB*.
CISCO-ITP-TC-MIB.my	Defines textual conventions used to manage nodes related to the SS7 network. The ITU documents that describe this technology are the ITU Q series, including: • ITU Q.700: Introduction to CCITT SS7 • ITU Q.701: Functional description of the message transfer part (MTP) of SS7.
CISCO-ITP-XUA-MIB.my	Manages MTP3 User Adaptation (M3UA) and SCCP User Adaptation (SUA) for ITP.
NetNumber-MIB.my	Common Object Definitions for the NetNumber enterprise MIBs.
TITAN-MIB.my	Module for the NetNumber TITAN.

IPRAN Specific MIBs

The MWTM queries these IPRAN specific MIBs, listed in alphabetical order:

MIB	Description
CERENT-454-MIB.mib	Defines the alarms and events for the Cisco ONS 15454. The MWTM processes each ONS event by creating an MWTM event with a severity that maps to the severity of the ONS event.
CERENT-ENVMON-MIB.mib	Provides environmental status information.
CERENT-FC-MIB.mib	Defines the managed objects for performance monitoring of supported Fibre Channel interfaces.
CERENT-GLOBAL-REGISTRY.mib	Provides the global registrations for all other CERENT MIB modules.
CERENT-MSDWDM-MIB.mib	Defines the managed objects for physical layer related interface configurations and objects for the protocol specific error counters for dense wavelength division multiplexing (DWDM) optical switches.
CERENT-OPTICAL-MONITOR-MIB.mib	Defines objects to monitor optical characteristics and set corresponding thresholds on the optical interfaces in a network element.
CERENT-TC.mib	Provides the global Textual Conventions for all other CERENT MIB modules.
CISCO-IETF-PW-MIB.my	Contains managed object definitions for Pseudo Wire operation.
CISCO-IETF-PW-TC-MIB.my	Used to identify the VC (together with some other fields) in the signaling session. Zero if the VC is set-up manually.
CISCO-IP-RAN-BACKHAUL-MIB.my	Provides information on the optimization of IP-RAN traffic between the cell site and the aggregation node site. It handles both GSM Abis and UMTS Iub traffic.
MPLS-VPN-MIB.my	Contains managed object definitions for the Multiprotocol Label Switching (MPLS)/Border Gateway Protocol (BGP) Virtual Private Networks (VPNs).
CISCO-BGP4-MIB.my	An extension to the IETF BGP4 MIB module defined in RFC 1657.
BGP4-MIB.my	The MIB module for BGP-4.

PCRF Specific MIBs

The MWTM queries the following MIB:

MIB	Description
FusionWorks.mib	Describes the system management information available from the SNMP agent in the FusionWorks SystemManager.
HOST-RESOURCES-MIB	This MIB is for use in managing host systems. The term `host' is construed to mean any computer that communicates with other similar computers attached to the internet and that is directly used by one or more human beings. This MIB instruments attributes common to all internet hosts including, for example, both personal computers and systems that run variants of Unix.

PDNGW Specific MIBs

The MWTM queries these specific MIBs, listed in alphabetical order:

MIB	Description
CISCO-DIAMETER-BASE-PROTOCOL-MIB.my	The MIB module for entities implementing the Diameter Base Protocol. Initial Cisco'ized version of the IETF draft draft-zorn-dime-diameter-base-protocol-mib-00.txt.
CISCO-EPC-GATEWAY-MIB	Manages the EPC 3GPP release 8 features and configuration for PGW and SGW.
CISCO-EPC-GATEWAY-QOS-MIB.my	Manages the Quality of Service parameters of PGW and SGW in LTE SAE Architecture.
CISCO-GGSN-EXT-MIB.my	Manages the Gateway GPRS Support Node (GGSN) devices. This MIB is an extension of the CISCO-GGSN-MIB.
CISCO-GGSN-MIB.my	Manages the Gateway GPRS Support Node (GGSN) devices.
CISCO-GGSN-SERVICE-AWARE-MIB.my	Manages the service-aware feature of Gateway GPRS Support Node (GGSN).
CISCO-GPRS-ACC-PT-MIB.my	Supports access point configuration for GGSN in a GPRS system.
CISCO-GPRS-CHARGING-MIB.my	Manages the charging related function on the GGSN node of a GPRS system.
CISCO-GTP-MIB.my	Manages the GPRS Tunnelling Protocol (GTP) on GGSN and SGSN.
CISCO-GTPV2-MIB.my	Manages the GTP path with GTPv2 statistics and system based aggregated statistics for the GGSN evolved gateway.
CISCO-IP-LOCAL-POOL-MIB.my	Defines the configuration and monitoring capabilities relating to local IP pools.
CISCO-SLB-DFP-MIB.my	Reports the congestion status of the real server. This MIB generates notifications when the congestion state is detected on the real server.
CISCO-SLB-EXT-MIB.my	Supports Server Load Balancing Manager(s). This MIB extends the SLB management functionality in the CISCO-SLB-MIB. The Cisco Content Switching Module (CSM) product is the first SLB product to support this MIB.
CISCO-SLB-MIB.my	Supports Server Load Balancing Manager(s), such as the Cisco IOS SLB product. This MIB includes instrumentation for the manager-side implementation of the Dynamic Feedback Protocol (DFP). A DFP uses the DFP protocol to communicate with DFP agents in order to obtain information about Servers. This MIB includes the objects required for implementing the load balancer management side of the Server/Application State Protocol (SASP). The load balancer is responsible for registering Members with a SASP-Agent. A Member is an entity that is defined on the load balancer to service Internet traffic. The responsibility of the Agent is to monitor the Members, and report a recommended weight to the load balancer. The weight is then used in load balancing decisions.

MIB	Description
CISCO-TAP2-MIB.my	This module manages Cisco's intercept feature. This MIB replaces CISCO-TAP-MIB and it defines a generic stream table that contains fields common to all intercept types. Specific intercept filters are defined in extension MIBs.
CISCO-NTP-MIB.my	This MIB module defines a MIB which provides mechanisms to monitor an NTP server. The Network Time Protocol (NTP) Version 3, is used to synchronize timekeeping among a set of distributed time servers and clients. The service model is based on a returnable-time design which depends only on measured clock offsets, but does not require reliable message delivery. The synchronization subnet uses a self-organizing, hierarchical master-slave configuration, with synchronization paths determined by a minimum-weight spanning tree. While multiple masters (primary servers) may exist, there is no requirement for an election protocol.

PDSN Specific MIBs

The MWTM queries these specific MIBs, listed in alphabetical order:

MIB	Description
CISCO-CDMA-AHDLC-MIB.my	Provides details concerning Asynchronous High-level Data Link Control (AHDLC) engine state, performance, configuration and notification.
CISCO-CDMA-PDSN-EXT-MIB.my	Supports the Code Division Multiple Access (CDMA) Packet Data Serving Node (PDSN) feature. This MIB is an extension to the CISCO-CDMA-PDSN-MIB. A CDMA2000 network supports wireless data communication through 3G CDMA radio access technology and 3G A10/A11 interface. PDSN acts as a foreign agent that establishes, maintains, and terminates the link layer to a mobile station.
CISCO-CDMA-PDSN-MIB.my	Supports the CDMA PDSN (Packet Data Serving Node) feature. A CDMA2000 network supports wireless data communication through 3G CDMA radio access technology and 3G A10/A11 interface. PDSN acts as a foreign agent that establishes, maintains, and terminates the link layer to a mobile station.
CISCO-MOBILE-IP-MIB.my	Extension to the *IETF MIB* module defined in RFC-2006 for managing Mobile IP implementations.
CISCO-RADIUS-MIB.my	Radius Configuration MIB. This MIB module is for monitoring and configuring authentication and logging services using RADIUS (Remote Authentication Dial In User Service) related objects.
CISCO-VPDN-MGMT-EXT-MIB.my	VPDN management MIB extension Module. This MIB is a supplement to CISCO-VPDN-MGMT-MIB.my.
CISCO-VPDN-MGMT-MIB.my	MIB module for VPDN.
RFC2006-MIB.my	Module for the Mobile IP.

SGW Specific MIBs

The MWTM queries these specific MIBs, listed in alphabetical order:

MIB	Description
CISCO-DIAMETER-BASE-PROTOCOL-MIB.my	The MIB module for entities implementing the Diameter Base Protocol. Initial Cisco'ized version of the IETF draft draft-zorn-dime-diameter-base-protocol-mib-00.txt.
CISCO-EPC-GATEWAY-MIB	Manages the EPC 3GPP release 8 features and configuration for PGW and SGW.
CISCO-EPC-GATEWAY-QOS-MIB.my	Manages the Quality of Service parameters of PGW and SGW in LTE SAE Architecture.
CISCO-GGSN-EXT-MIB.my	Manages the Gateway GPRS Support Node (GGSN) devices. This MIB is an extension of the CISCO-GGSN-MIB.
CISCO-GGSN-MIB.my	Manages the Gateway GPRS Support Node (GGSN) devices.
CISCO-GGSN-SERVICE-AWARE-MIB.my	Manages the service-aware feature of Gateway GPRS Support Node (GGSN).
CISCO-GPRS-ACC-PT-MIB.my	Supports access point configuration for GGSN in a GPRS system.
CISCO-GPRS-CHARGING-MIB.my	Manages the charging related function on the GGSN node of a GPRS system.
CISCO-GTP-MIB.my	Manages the GPRS Tunnelling Protocol (GTP) on GGSN and SGSN.
CISCO-GTPV2-MIB.my	Manages the GTP path with GTPv2 statistics and system based aggregated statistics for the GGSN evolved gateway.
CISCO-IP-LOCAL-POOL-MIB.my	Defines the configuration and monitoring capabilities relating to local IP pools.
CISCO-SLB-DFP-MIB.my	Reports the congestion status of the real server. This MIB generates notifications when the congestion state is detected on the real server.
CISCO-SLB-EXT-MIB.my	Supports Server Load Balancing Manager(s). This MIB extends the SLB management functionality in the CISCO-SLB-MIB. The Cisco Content Switching Module (CSM) product is the first SLB product to support this MIB.
CISCO-SLB-MIB.my	Supports Server Load Balancing Manager(s), such as the Cisco IOS SLB product. This MIB includes instrumentation for the manager-side implementation of the Dynamic Feedback Protocol (DFP). A DFP uses the DFP protocol to communicate with DFP agents in order to obtain information about Servers. This MIB includes the objects required for implementing the load balancer management side of the Server/Application State Protocol (SASP). The load balancer is responsible for registering Members with a SASP-Agent. A Member is an entity that is defined on the load balancer to service Internet traffic. The responsibility of the Agent is to monitor the Members, and report a recommended weight to the load balancer. The weight is then used in load balancing decisions.

MIB	Description
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CISCO-NTP-MIB.my	This MIB module defines a MIB which provides mechanisms to monitor an NTP server. The Network Time Protocol (NTP) Version 3, is used to synchronize timekeeping among a set of distributed time servers and clients. The service model is based on a returnable-time design which depends only on measured clock offsets, but does not require reliable message delivery. The synchronization subnet uses a self-organizing, hierarchical master-slave configuration, with synchronization paths determined by a minimum-weight spanning tree. While multiple masters (primary servers) may exist, there is no requirement for an election protocol.

SPGW Specific MIBs

The MWTM queries these specific MIBs, listed in alphabetical order:

MIB	Description
CISCO-GPRS-CHARGING-MIB.my	Manages the charging related function on the GGSN node of a GPRS system.
CISCO-GGSN-SERVICE-AWARE-MIB.my	Manages the service-aware feature of Gateway GPRS Support Node (GGSN). This MIB is an enhancement of the *CISCO-GGSN-MIB*.
CISCO-GGSN-MIB.my	Manages the Gateway GPRS Support Node (GGSN) devices.
CISCO-GGSN-EXT-MIB.my	Extends extends the CISCO-GGSN-MIB and manages the Gateway GPRS Support Node (GGSN) devices. A GGSN device provides interworking with external packet-data network of a particular GPRS service provider. It provides a combination of IP routing and GPRS specific functionality to support mobile users.
CISCO-TAP2-MIB.my	This module manages Cisco's intercept feature. This MIB replaces CISCO-TAP-MIB and it defines a generic stream table that contains fields common to all intercept types. Specific intercept filters are defined in extension MIBs.
CISCO-NTP-MIB.my	This MIB module defines a MIB which provides mechanisms to monitor an NTP server. The Network Time Protocol (NTP) Version 3, is used to synchronize timekeeping among a set of distributed time servers and clients. The service model is based on a returnable-time design which depends only on measured clock offsets, but does not require reliable message delivery. The synchronization subnet uses a self-organizing, hierarchical master-slave configuration, with synchronization paths determined by a minimum-weight spanning tree. While multiple masters (primary servers) may exist, there is no requirement for an election protocol.

You can obtain the latest versions of these MIBs from one of these locations:

- The zip file *mibs.zip*, located at the top of the MWTM DVD Image, contains these MIBs.
- You can download these MIBs from the Cisco website:
  http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml