

ISG MIB

The Intelligent Services Gateway (ISG) MIB feature defines all objects relevant to subscriber session details, subscriber session statistics, and subscriber service information as MIB objects. These MIB objects are accessed using Simple Network Management Protocol (SNMP), and the network administrators can monitor their ISG box's session in a centralized management server for public wireless LAN deployment requirements.

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Information About ISG MIB

ISG MIB Overview

The ISG MIB feature introduces MIB support in Cisco software. The ISG MIB is accessed using remote SNMP software clients. MIB table objects are accessed as read-only through GET, GETNEXT, GETBULK, SET, and TRAP (notification) requests.

Subscriber Session MIB

The CISCO-SUBSCRIBER-SESSION-MIB contains objects to monitor subscriber session details, session statistics, and job tables to query specific subscriber information.

The following tables are implemented from this MIB:

- Subscriber Session Table—This table contains detailed information about a subscriber session. Each row in the table represents a subscriber session. The table row (subscriber session) can be indexed through the ifIndex object, which is unique for each subscriber session.
- Subscriber Session Statistics Table—This table provides ISG box-wide subscriber session aggregate statistics information. Each subscriber's session statistics are accessed based on the scope of aggregation. Session type and entity are used to define the scope of aggregation.
- Subscriber Session Job Tables and Notification—These tables allow an Element Management System (EMS) or Network Management System (NMS) to submit a job to perform a query on a subset of the current subscriber sessions maintained by the ISG system. The EMS or NMS can create a job and provision it to perform an operation with specified parameters. Every query is a job for the ISG MIB and has a unique Job ID associated with it.

Dynamic Template MIB

The CISCO-DYNAMIC-TEMPLATE-MIB contains subscriber service information. This information is captured through Dynamic Template MIB definitions and presented in Object Identification (OID) format.

The following tables from the Dynamic Template MIB capture information about subscriber services, subscriber service association with sessions, and subscriber service usage:

- Template Table—This table stores basic subscriber service profile information. Each entry in the template table corresponds to a unique subscriber service. This table entry is uniquely identified with a service name.
- Template Association Table—This table is used to identify the list of subscriber services associated with each session.
- Template Usage Table—This table is used to identify the list of subscriber sessions using a particular subscriber service.

Additional References

Related Documents

Related Topic	Document Title
Cisco IOS commands	Master Command List, All Releases
ISG commands	Cisco IOS Intelligent Services Gateway Command Reference

MIBs

MIB	MIBs Link
• CISCO-DYNAMIC-TEMPLATE-MIB • CISCO-SUBSCRIBER-SESSION-MIB	To locate and download MIBs for selected platforms, Cisco software releases, and feature sets, use Cisco MIB Locator found at the following URL: http://www.cisco.com/go/mibs

Technical Assistance

Description	Link
The Cisco Support and Documentation website provides online resources to download documentation, software, and tools. Use these resources to install and configure the software and to troubleshoot and resolve technical issues with Cisco products and technologies. Access to most tools on the Cisco Support and Documentation website requires a Cisco.com user ID and password.	http://www.cisco.com/cisco/web/support/index.html

Feature Information for ISG MIB

The following table provides release information about the feature or features described in this module. This table lists only the software release that introduced support for a given feature in a given software release train. Unless noted otherwise, subsequent releases of that software release train also support that feature.

Use Cisco Feature Navigator to find information about platform support and Cisco software image support. To access Cisco Feature Navigator, go to www.cisco.com/go/cfn. An account on Cisco.com is not required.

Table 1: Feature Information for ISG MIB

Feature Name	Releases	Feature Information
ISG MIB	Cisco IOS XE Release 3.7S	The Intelligent Services Gateway (ISG) MIB feature defines all objects relevant to subscriber session details, subscriber session statistics, and subscriber service information as MIB objects. These MIB objects are accessed using Simple Network Management Protocol (SNMP), and the network administrators can monitor their ISG box's session in a centralized management server for public wireless LAN deployment requirements.