



# SNMP Features Roadmap

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This roadmap lists the Simple Network Management Protocol (SNMP) features documented in the *Cisco IOS Network Management Configuration Guide* and maps them to the modules in which they appear.

## Feature and Release Support

[Table 1](#) lists SNMP feature support documented in the *Cisco IOS Network Management Configuration Guide* for the following Cisco IOS software release trains:

- [Cisco IOS Releases 12.0S, 12.1T, 12.2, 12.2T, 12.3, 12.3T, 12.4, and 12.4T](#)

Only features that were introduced or modified in Cisco IOS Releases 12.2(1) or 12.0(3)S or later releases appear in the table. *Not all features may be supported in your Cisco IOS software release.*

Use Cisco Feature Navigator to find information about platform support and software image support. Cisco Feature Navigator enables you to determine which Cisco IOS and Catalyst OS software images support a specific software release, feature set, or platform. To access Cisco Feature Navigator, go to <http://www.cisco.com/go/cfn>. An account on Cisco.com is not required.



### Note

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[Table 1](#) lists only the Cisco IOS software release that introduced support for a given feature in a given Cisco IOS software release train. Unless noted otherwise, subsequent releases of that Cisco IOS software release train also support that feature.

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**Americas Headquarters:**  
**Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA**

**Table 1** *SNMP Feature Support in the Cisco IOS Network Management Configuration Guide*

Release	Feature Name	Feature Description	Where Documented
<b>Cisco IOS Releases 12.0S, 12.1T, 12.2, 12.2T, 12.3, 12.3T, 12.4, and 12.4T</b>			
12.4(6)T	RIPv2 Monitoring with SNMP Using the RFC 1724 MIB Extensions	<p>This feature introduces the Cisco IOS implementation of RFC 1724, RIP Version 2 MIB Extensions. RFC 1724 defines MIB objects that allow the management and limited control of RIPv2 using SNMP.</p> <p>The objects in the RFC 1724 RIPv2 MIB interface table track information on a per interface basis. All objects in the RFC 1724 RIPv2 MIB interface table, except for the rip2IfStatAddress object, represent newly tracked data within RIP. There are no equivalent <b>show</b> commands for these objects. All objects in the RIPv2 MIB interface table are implemented as read only.</p>	<i>RIPv2 Monitoring with SNMP Using the RFC 1724 MIB Extensions</i> feature module
12.4(4)T	DSP Operational State Notifications	The DSP Operational State Notifications feature enables notifications to be generated when digital signaling processor (DSP) failure and recovery events occur. These notifications help facilitate troubleshooting and lessen downtime.	<i>DSP Operational State Notifications</i> feature module
12.2(2)T	Interface Index Display and Interface Alias Long Name Support for SNMP	<p>The Interface Index Display for SNMP feature introduces new commands and command modifications that allow advanced users of SNMP to view information about the interface registrations directly on the managed agent. An external network management system is not required.</p> <p>This feature addresses three objects in the Interfaces MIB: ifIndex, ifAlias, and ifName. For complete definitions of these objects, see the IF-MIB.my file, available from the Cisco SNMPv2 MIB website at <a href="ftp://ftp.cisco.com/pub/mibs/v2/">ftp://ftp.cisco.com/pub/mibs/v2/</a></p>	<i>Configuring SNMP Support.</i>
12.2(2)T 12.0(23)S	SNMP Support for VPNs	The SNMP Support for VPNs feature allows the sending and receiving of SNMP notifications using virtual private network (VPN) routing/forwarding (VRF) tables. In particular, this feature adds support to Cisco IOS software for the sending and receiving of SNMP notifications specific to individual VPNs.	<i>Configuring SNMP Support.</i>

**Table 1** SNMP Feature Support in the Cisco IOS Network Management Configuration Guide (continued)

Release	Feature Name	Feature Description	Where Documented
12.0(12)S 12.1(3)T 12.2(4)T 12.2(4)T3	Distributed Management Even Expression MIB Persistence	The MIB Persistence features allow the SNMP data of a MIB to be persistent across reloads; that is, MIB information retains the same set object values each time a networking device reboots. MIB Persistence is enabled by using the <b>snmp mib persist</b> command, and the MIB data of all MIBs that have had persistence enabled using this command is then written to NVRAM storage by using the <b>write mib-data</b> command. Any modified MIB data must be written to NVRAM memory using the <b>write mib-data</b> command.	<i>Configuring SNMP Support.</i>
12.0(22)S 12.2(13)T	SNMP Notification Logging	The SNMP Notification Logging feature adds Cisco IOS command-line interface (CLI) commands to change the size of the notification log, to set the global ageout value for the log, and to display logging summaries at the command line.	<i>Configuring SNMP Support.</i>

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