Preface

Part Number: OL-27679-04
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This guide describes the implementation of the Simple Network Management Protocol (SNMP) for Cisco ASR 901 and ASR 901S Series Aggregation Services Routers.

SNMP provides a set of commands for setting and retrieving the values of operating parameters on the router. Router information is stored in a virtual storage area called a Management Information Base (MIB). The MIB contains objects that describe router components and provides information about the status of these components.

This preface provides an overview of this guide with the following sections:

Document Revision History

The following Revision History tables record technical changes, additions, and corrections to this document.

Cisco IOS Release	Part Number	Publication Date	Change Summary
15.2(2)SNG	OL-27679-01	August 2012	Initial publication.
15.2(2)SNI	OL-27679-02	February 2013	Added information on CISCO-ENTITY-SENSOR-MIB.
15.3(2)S	OL-27679-03	March 2013	Added information on OSPFv3-MIB.
15.4(1)S	OL-27679-03	November 2013	Updated the Monitoring Notifications chapter.

Audience

This guide is intended for system and network administrators who must configure the router for operation and monitor its performance in the network.

This guide may also be useful for application developers who are developing management applications for the router.

Organization

This guide contains the following chapters:

Chapter	Description
Chapter 1, "Cisco ASR 901 Router MIB Overview,"	Provides background information about SNMP and its implementation on Cisco ASR 901 and ASR 901S routers.
Chapter 2, "Configuring SNMP and MIB Support,"	Provides instructions for configuring SNMP management support on the router.
Chapter 3, "MIB Specifications,"	Describes each MIB included in the software image. Each description lists any constraints as to how the MIB is implemented on the router.
Chapter 4, "Using MIBs,"	Describes how to perform common tasks on the router.
Chapter 5, "Monitoring Notifications,"	Describes the notifications supported by the MIB enhancements feature.
Glossary	Provides a list of terms and the definitions.

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