Preface

This guide describes how to install a Cisco ASR 9000 Series Aggregation Services Satellite System.
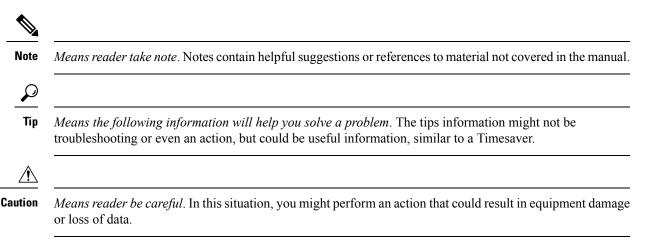
Audience

This guide is written for hardware installers and system administrators of Cisco routers.

This publication assumes that the user has a substantial background in installing and configuring router- and switch-based hardware. The reader should also be familiar with electronic circuitry and wiring practices and have experience as an electronic or electromechanical technician.

Documentation Conventions

Note   *Means reader take note*. Notes contain helpful suggestions or references to material not covered in the manual.

Tip   *Means the following information will help you solve a problem*. The tips information might not be troubleshooting or even an action, but could be useful information, similar to a Timesaver.

Caution   *Means reader be careful*. In this situation, you might perform an action that could result in equipment damage or loss of data.

Warning IMPORTANT SAFETY INSTRUCTIONS

This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. Use the statement number provided at the end of each warning to locate its translation in the translated safety warnings that accompanied this device.

SAVE THESE INSTRUCTIONS

Warning Statements using this symbol are provided for additional information and to comply with regulatory and customer requirements.

Convention	Description
bold font	Commands and keywords and user-entered text appear in **bold** font.
Italic font	Document titles, new or emphasized terms, and arguments for which you supply values are in *italic* font.
[ ]	Elements in square brackets are optional.
{x | y | z}	Required alternative keywords are grouped in braces and separated by vertical bars.
[x | y | z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
courier font	Terminal sessions and information the system displays appear in courier font.
	Indicates a variable for which you supply values, in context where italics cannot be used.
< >	Nonprinting characters such as passwords are in angle brackets.
[ ]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.

Related Documentation

For more information on the Cisco ASR 9000 Series Aggregation Services Router, see additional documents found at http://www.cisco.com/en/US/products/ps9853/prod_installation_guides_list.html.

Changes to This Document

This table lists the technical changes made to this document since it was first developed.

Table 1: Changes to This Document

Date	Summary
October 2014	Added support for new optics added in IOS XR Release 5.2.2 and new PIDs for cost optimized satellite.
June 2014	Added support for new optics added in IOS XR Release 5.2.0.
January 2014	Added information about Cisco ASR 9000v satellite shelf with 24 V DC power module for ANSI standard. Added procedure for installing optional air baffle accessory kit on ASR 9000v and ASR 903.
September 2013	Initial Release of this document.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation*, at: http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html.

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