



## Preface

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**Revised: February 6, 2013, OL-27969-02**

This preface describes the objectives, audience, organization, and conventions used in this guide and describes related documents that have additional information. It contains the following sections:

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## Objective

This guide provides an overview of Cisco Application Visibility and Control (AVC) and explains how to configure various Cisco AVC features for Aggregation Services Routers (ASR).

Some information may not apply to your particular router model.

For warranty, service, and support information, see the “Cisco One-Year Limited Hardware Warranty Terms” section in *Readme First for the Cisco Aggregation Services Routers*, which was shipped with your router.



### Note

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The AVC solution is currently in limited availability (LA) to control customer adoption, gain more visibility about technical issues, and improve general usability for Cisco Prime Infrastructure throughout the LA period. To ensure the smoothest possible implementation, please contact the AVC support team at the following address as you plan your deployment: [ask-avc-external@external.cisco.com](mailto:ask-avc-external@external.cisco.com)

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## Audience

This guide is intended for Cisco equipment providers, partners, and networking teams who are technically knowledgeable and familiar with Cisco routers and Cisco IOS software and features.

# Organization

This guide is organized into the following sections.

**Table 1**      **Organization**

Chapter	Name	Description
Chapter 1	<a href="#">Business Overview</a>	Describes how the Cisco AVC solution can address challenges faced by enterprise network administrators.
Chapter 2	<a href="#">Technology Overview</a>	Overview of the Cisco AVC solution, including benefits, features, architecture, and interoperability.
Chapter 3	<a href="#">AVC Configuration</a>	Describes configuration within the Cisco AVC solution, including examples.
Chapter 4	<a href="#">Troubleshooting</a>	Procedures for resolving configuration issues.
Appendix A	<a href="#">New Exported Fields</a>	New Flexible NetFlow (FNF) fields and the CLI used to retrieve the value of the fields.
Appendix B	<a href="#">DPI/L7 Extracted Fields</a>	Deep packet inspection (DPI)/L7 extracted fields and the CLI used to retrieve the value of the fields.
Appendix C	<a href="#">Fields that Require Punt to the Route Processor</a>	Media monitoring/metadata metrics that require punt to the record processor.
Appendix D	<a href="#">References</a>	Related documentation.
Glossary	<a href="#">Glossary</a>	Glossary of terms used in this guide.

# Conventions

[Table 2](#) lists the command conventions used in this documentations to convey instructions and information.

**Table 2**      **Command Conventions**

Convention	Description
<b>bold font</b>	Commands and keywords.
<i>italic font</i>	Variables for which you supply values.
[ ]	Optional keywords or arguments appear in square brackets.
{ x   y   z }	Choice of required keywords appear in braces separated by vertical bars. You have to select one.
screen font	Examples of information displayed on the screen.
<b>boldface screen font</b>	Examples of information you have to enter.
< >	Nonprinting characters, for example: passwords, appear in angle brackets in contexts where italics are not available.
[ ]	Default responses to system prompts appear in square brackets.

**Note**

Means *reader take note*. Notes contain helpful suggestions or references to additional information and material.

**Caution**

This symbol means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

**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.

## Related Documentation

For more information, see [Appendix D, “References,”](#) or visit:

<http://www.cisco.com/go/avc>

## Searching for Cisco Documents

To search an HTML document using a web browser, use the **Ctrl+F** (Windows) or **Cmd+F** (Apple) sequences. In most browsers the option to search whole words only, invoke case sensitivity, or search forward and backward are also available.

To search a PDF document in Adobe Reader, use the basic Find toolbar (**Ctrl+F**) or the Full Reader Search window (**Shift+Ctrl+F**). Use the Find toolbar to find words or phrases within one specific document. Use the Full Reader Search window to search multiple PDF files simultaneously as well as change case sensitivity, and other options. Adobe Reader comes with online help with more information regarding searching PDF documents.

## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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