



Preface

This preface describes who should read the *User Guide for Cisco Video Assurance Management Solution 1.0*, and the objectives, audience, organization, and conventions for the guide.



Note

Use this document along with the documents listed in the [“Related Documentation”](#) section on page vii.

This preface contains the following:

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Document Revision History

The following Document Revision History table records technical changes to this document. The table shows the document revision number for the change, the date of the change, and a brief summary of the change.

Revision	Date	Change Summary
OL-15678-01	February 25, 2008	Initial release.

Objectives

This guide describes the architecture, the components, and the processes necessary for the design and implementation of the Cisco Video Assurance Management Solution (Cisco VAMS), Release 1.0.


Note

This document is primarily for Cisco products. To establish and maintain the third-party products and applications that might be a part of the Cisco VAMS, refer to the documentation that the vendors of those products provide.

Audience

The target audience for the Cisco VAMS guide should have a basic knowledge of network management products, and experience with the installation and acceptance of these products covered by this solution. In addition, the user should understand the procedures to upgrade and troubleshoot video systems and Ethernet switches.


Note

This document addresses Cisco components only. It does not discuss how to implement third-party components typically required for video management capabilities.

Document Organization

The major sections of this document are:

Chapter	Title	Description
Chapter 1	Overview	Introduces implementation and scope of the Cisco VAMS, its components, and miscellaneous support topics.
Chapter 2	Installing the Cisco Video Assurance Management Solution	Describes installing and uninstalling the Cisco VAMS.
Chapter 3	Configuring the Components of the Cisco Video Assurance Management Solution	Describes configuring the components of the Cisco VAMS.
Chapter 4	Troubleshooting with the Cisco Video Assurance Management Solution	Provides information about troubleshooting with the Cisco VAMS.
Appendix A	Trap Definitions	Provides definitions of traps supported by the Cisco VAMS.

Related Documentation

You can consult this additional documentation for more information:

- [Cisco Product Documentation](#), page vii
- [Third-party Documentation](#), page ix

Cisco Product Documentation

Cisco provides this additional documentation:

- [Cisco Active Network Abstraction](#), page vii
- [Cisco Multicast Manager](#), page viii
- [Cisco Switches and Routers](#), page viii
- [Cisco IPTV Solutions](#), page ix

Cisco Active Network Abstraction

Cisco Active Network Abstraction (ANA) 3.6 Service Pack 2 is the element management platform for the Cisco VAMS. Cisco provides this ANA documentation:

Cisco ANA Release Notes

http://www.cisco.com/en/US/products/ps6776/prod_release_notes_list.html

Cisco ANA User and Reference Guides

For more information on ANA, see:

- *Cisco Active Network Abstraction EventVision User Guide Version 3.6*
- *Cisco Active Network Abstraction Fault Management User Guide Version 3.6*
- *Cisco Active Network Abstraction Managing MPLS User Guide Version 3.6*
- *Cisco Active Network Abstraction NetworkVision User Guide Version 3.6*
- *Cisco Active Network Abstraction Technology Support and Information Model Reference Manual, Version 3.6*
- *Cisco Active Network Abstraction 3.6 Virtual Network Element Reference Guide*

The Cisco ANA user and reference guides are available here:

http://www.cisco.com/en/US/products/ps6776/products_user_guide_list.html

Cisco ANA Configuration Guides

For more information on configuring ANA, see:

- *Cisco Active Network Abstraction BQL User Guide 3.6*
- *Cisco Active Network Abstraction Command Builder User Guide 3.6*
- *Cisco Active Network Abstraction Customization User Guide 3.6*
- *Cisco Active Network Abstraction Workflow User Guide 3.6*

The Cisco ANA configuration guides are available here:

http://www.cisco.com/en/US/products/ps6776/products_installation_and_configuration_guides_list.html

Cisco ANA Administration Guides

For more information on administering ANA, see:

- *Cisco Active Network Abstraction Administrator Guide 3.6*
- *Cisco Active Network Abstraction Error Messages 3.6*
- *Cisco Active Network Abstraction High Availability User Guide 3.6*
- *Cisco Active Network Abstraction Shell User Guide 3.6*

The previous guides are available at:

http://www.cisco.com/en/US/products/ps6776/prod_maintenance_guides_list.html

Cisco Multicast Manager

Cisco Multicast Manager forwards traps from the video transport network to Cisco ANA. The list of Cisco Multicast Manager documents includes:

- *Release Notes for Cisco Multicast Manager 2.4*
http://www.cisco.com/en/US/products/ps6337/prod_release_notes_list.html
- *Installation Guide for Cisco Multicast Manager, 2.4*
http://www.cisco.com/en/US/products/ps6337/prod_installation_guides_list.html
- *User Guide for Cisco Multicast Manager 2.4*
http://www.cisco.com/en/US/products/ps6337/products_user_guide_list.html

Cisco Switches and Routers

Documentation resources for the Cisco routers and Catalyst switches are available at:

Cisco 7600 Series Routers

http://www.cisco.com/en/US/products/hw/routers/ps368/tsd_products_support_series_home.html

Release notes for the 12.2(33)SRB2 IOS software to enable Cisco 7600 Series routers for this solution:

http://www.cisco.com/en/US/products/ps6922/prod_release_note09186a00806c096f.html

Cisco Carrier Routing System (CRS-1)

http://www.cisco.com/en/US/products/ps5763/tsd_products_support_series_home.html

Release notes for the IOS-XR 3.4.2 software to enable Cisco CRS-1 for this solution:

http://www.cisco.com/en/US/docs/ios_xr_sw/iosxr_r3.4/general/release/notes/reln_342.html

Cisco Catalyst 4900 Series Switches

http://www.cisco.com/en/US/products/ps6021/tsd_products_support_series_home.html

Release notes for the 12.2(31)SG IOS software to enable Cisco Catalyst 4948 switches for this solution:

http://www.cisco.com/en/US/docs/switches/lan/catalyst4500/release/note/OL_9592.html

Cisco IPTV Solutions

Video solutions that the Cisco VAMS supports include:

Cisco IPTV Wireline Solutions

Cisco Wireline Video/IPTV Solution Design and Implementation Guide, Release 1.1

http://www.cisco.com/en/US/products/ps6902/products_implementation_design_guide_book/09186a00806b5b4c.html

Cisco IPTV Cable Solutions

Cisco Gigabit-Ethernet Optimized Video Networking Solution for Cable Design and Implementation Guide, Release 3.0

http://www.cisco.com/en/US/products/ps6902/products_implementation_design_guide_book/09186a00806470d8.html

Third-party Documentation

Additional third-party documentation to consult includes the:

IneoQuest IQMediaMonitor Series M1 Singulus G1-T

- *Hardware User's Guide*
- *IQMediaAnalyzer Application User's Guide*

Tektronix MTM400

- *MTM400 MPEG Transport Stream Monitor User Manual*
- *MTM400 MPEG Transport Stream Monitor Technical Reference*
- *MTM400 MPEG Transport Stream Monitor Programmer Manual*

Mixed Signals Sentry

- *Mixed Signals Sentry Digital Content Monitor User Guide*

Document Conventions

Command descriptions use the following conventions:

Table 1 **Command Syntax Guide**

Convention	Description
boldface	Commands and keywords.
<i>italic</i>	Command input that is supplied by you.
[]	Keywords or arguments that appear within square brackets are optional.
{ x x x }	A choice of keywords (represented by x) appears in braces separated by vertical bars. You must select one.

Table 1 **Command Syntax Guide**

Convention	Description
^ or Ctrl	Represent the key labeled <i>Control</i> . For example, when you read ^D or <i>Ctrl-D</i> , you should hold down the Control key while you press the D key.
screen font	Examples of information displayed on the screen.
boldface screen font	Examples of information that you must enter.
< >	Nonprinting characters, such as passwords, appear in angled brackets.
[]	Default responses to system prompts appear in square brackets.

Screen examples use the following conventions:

screen font	Terminal sessions and information the system displays are in <i>screen font</i> .
boldface screen font	Information you must enter is in boldface screen font . ¹
<i>italic screen font</i>	Arguments for which you supply values are in <i>italic screen font</i> .
→	This pointer highlights an important line of text in an example.
^	The symbol ^ represents the key labeled Control. For example, the key combination ^D in a screen display means hold down the Control key while you press the D key.
< >	Nonprinting characters, such as passwords, are in angle brackets in contexts where italic font is not available.
[]	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.

1. As this document makes use of annotated configurations, the rigorous use of boldface type to indicate what the user must enter is relaxed.

Notes use the following conventions:

**Note**

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

Timesavers use the following conventions:

**Timesaver**

Means *the described action saves time*. You can save time by performing the action described in the paragraph.

Cautions use the following conventions:

**Caution**

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

Tips use the following conventions:

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.

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, at:

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

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