



Preface

This preface describes the audience, objectives, organization, and conventions of the *Cisco Videoscape Distribution Suite, Internet Streamer 4.3.1 Software Configuration Guide*. It also references related documentation and describes how to obtain documentation and submit a service request.

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Document Revision History

Date	Change Summary
February 29, 2016	Updated for VDS-IS 4.3.1 <ul style="list-style-type: none">• Added new section “CDN Host File Registration” in Configuring the System chapter.• Updated Geo-IP Plug-in Schedule information in Configuring Services chapter.• Added new section “Transaction Log Formats for Geo-IP” in Monitoring the Videoscape Distribution Suite, Internet Streamer.• Added Appendix H “Creating CDN Host Files”.
August 7, 2015	Updated for VDS-IS 4.2.1
March 27, 2015	Initial Release

Audience

This guide is for the networking professional managing the Cisco Videoscape Distribution Suite, Internet Streamer, hereafter referred to as the VDS-IS. Before using this guide, you should have experience working with Cisco IOS software and be familiar with the concepts and terminology of Ethernet, local area networking, and Internet streaming.

Objective

This guide provides the information that you need to configure and monitor the VDS-IS.

This guide provides procedures for using the commands that have been created or changed for use with the VDS-IS. It does not provide detailed information about these commands.

This guide does not describe system messages that you might encounter or how to install your VDS-IS. See the [“Related Documentation” section on page xx](#) for links to documentation online.

For documentation updates, see the release notes for this release.

Document Organization

Chapter or Appendix	Description
Chapter 1, “Product Overview”	Provides a brief introduction to the VDS-IS.
Chapter 2, “Network Design”	Describes the VDS-IS topology, elements of a Delivery Service, and the Delivery Service workflow.
Chapter 3, “Getting Started”	Provides information about initially configuring the devices to communicate with the Content Delivery System Manager (CDSM), configuring a standby CDSM, navigating the CDSM, and a typical configuration workflow.
Chapter 4, “Configuring Devices”	Provides information on configuring the devices in the VDS-IS.
Chapter 5, “Configuring Services”	Provides information about configuring delivery services.
Chapter 6, “Configuring the System”	Provides information on system configuration for the VDS-IS.
Chapter 7, “Configuring Licenses”	Provides information on licenses for the VDS-IS.
Chapter 8, “Monitoring the Videoscape Distribution Suite, Internet Streamer”	Provides information on monitoring the VDS-IS.
Chapter 9, “Maintaining the Videoscape Distribution Suite, Internet Streamer”	Provides information on upgrading the VDS-IS software, deleting devices from the system, performing disk maintenance, and removing content from the system.
Appendix A, “Troubleshooting”	Discusses troubleshooting Service Routers, and the acquisition and distribution of content.

Chapter or Appendix	Description
Appendix B “Creating Manifest Files.”	Provides information on creating and validating a Manifest file.
Appendix C, “Creating Coverage Zone Files.”	Provides information on creating and validating a Coverage Zone file.
Appendix D “Creating Geo/IP Files.”	Provides information on creating Authorization Service files.
Appendix E “Creating Service Rule Files.”	Provides information on creating Service Rule XML files.
Appendix F “ABR Session-Based Encryption and Session Tracking.”	Provides information on Session-Based Encryption and Session Tracking.
Appendix G “Creating NAS Files.”	Provides information on creating NAS XML files.
Appendix I “URL Signing and Validation.”	Describes the URL signing script for URL signature creation at the portal.
Appendix J, “CLI Commands”	Provides information on configuring port channels, last resort routing domains, and other CLI commands.
Appendix K “Verifying the Videoscape Distribution Suite, Internet Streamer.”	Describes procedures for verifying the VDS-IS using different media players.
Appendix L, “Specifications and Part Numbers”	Provides information about the software licenses for the VDS-IS.

Document Conventions

Convention	Description
boldface font	Commands and keywords are in boldface .
<i>italic font</i>	Arguments for which you supply values are in <i>italics</i> .
Option > Option	Used to define a series of menu options.
[]	Elements in square brackets are optional.
{x y z}	Alternative, mutually exclusive, 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.
screen font	Terminal sessions and information the system displays are in screen font.
boldface screen font	Information you must enter is in boldface screen font .
<i>italic screen font</i>	Arguments for which you supply values are in <i>italic screen font</i> .
^	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.

Convention	Description
< >	Nonprinting characters, such as passwords, are in angle brackets in contexts where italics are not available.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.



Note

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



Caution

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 might help you solve a problem.

Related Documentation

These documents provide complete information about the VDS-IS and are available on the Cisco.com:

- *Cisco Videoscape Distribution Suite, Internet Streamer 4.2.1 Software Configuration Guide*
- *Cisco VDS Internet Streamer 3.0–3.1 Quick Start Guide*
- *Cisco Videoscape Distribution Suite, Internet Streamer 4.2.1 Command Reference Guide*
- *Cisco Videoscape Distribution Suite, Internet Streamer 4.2.1 API Guide*
- *Cisco Videoscape Distribution Suite, Internet Streamer 4.2.1 Alarms and Error Messages Guide*
- *Release Notes for Cisco Videoscape Distributions Suite, Internet Streamer 4.2.1.1*
- *Cisco Videoscape Distribution Suite, Internet Streamer 4.1 Software Installation Guide for non-CDEs*
- *Cisco Videoscape Distribution Suite, Internet Streamer Virtualization Guide*
- *Cisco Videoscape Distribution Suite, Internet Streamer Hybrid Streamer Guide*
- *Cisco Content Delivery Engine 205/220/250/280/420/460/470 Hardware Installation Guide*
- *Regulatory Compliance and Safety Information for Cisco Content Delivery Engines*
- *Open Sources Used in VDS-IS Release 4.2.1*

You can access the software documents at the following URL:

http://www.cisco.com/en/US/products/ps7127/tsd_products_support_series_home.html

You can access the hardware documents for the CDEs at the following URL:

http://www.cisco.com/en/US/products/ps7126/tsd_products_support_series_home.html

You can access the hardware documents for non-CDEs at the following URLs:

- *Cisco UCS C200 Installation and Service Guide*
http://www.cisco.com/en/US/docs/unified_computing/ucs/c/hw/C200M1/install/c200M1.html

- *Cisco UCS C210 Installation and Service Guide*
http://www.cisco.com/en/US/docs/unified_computing/ucs/c/hw/C210M1/install/C210M1.html
- *Cisco UCS C220 Installation and Service Guide*
http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/hw/C220/install/C220.html
- *Cisco UCS C240 Installation and Service Guide*
http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/hw/C240/install/C240.html

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 the following URL:

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

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