



Preface

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What's in This Guide

This guide provides the information you need to configure and monitor the Cisco Enterprise Content Delivery System (Cisco ECDS). This guide does not describe system messages you might encounter or how to install your ECDS. See the [“Related Documentation” section on page 6](#) for links to documentation online.

Audience

This guide is for the networking professional managing the Cisco ECDS. Before using this guide, you should have experience working with the Cisco IOS software and be familiar with the concepts and terminology of Ethernet, local area networking, and media streaming.

Document Revision History

Table 1 describes document update history. For complete support information, see the [Cisco ECDS 2.6 Release Notes](#).

Table 1 Document Update History.

Date	Notes
November 2010	Initial release.
September 2012	<ul style="list-style-type: none">• Support for Cisco ECDS software up to Release 2.5.5• WCCP and HTTPS protocol support in Release 2.5.5.
November 2013	<ul style="list-style-type: none">• MDE 100XVB Virtual Blade in the ISR G2 supports UCS-E Server Blades in release 2.6.1• Multicast Content Distribution and Replication is supported in Release 2.6.1.• Cisco ECDS supports Network Address Translation in Release 2.6.1• HTTP Adaptive Bit Rate (ABR) streaming protocols supports HLS and HSS in Release 2.6.1.• Cisco ECDS supports the ability for a multicast failure to result in a failover or rollover to a unicast URL in Release 2.6.1.• Cisco ECDS supports URL Signing and Validation in Release 2.6.1• HTML5 Media support enabled and it allows video support to browsers in Release 2.6.1.• Cisco ECDS supports Multipurpose Internet Mail Extension (MIME) types in Release 2.6.1.
May 2014	<ul style="list-style-type: none">• Role-based Access Control (RBAC) for user groups is enabled in 2.6.2• Dynamic Adaptive Streaming over http supports MPEG Streaming in 2.6.2• WMT Live QoS Support across WAN in release 2.6.2• HTML crawler enhancement supports different HTML file types in 2.6.2• Secure File Transfer Protocol (SFTP) increases security in 2.6.2• API has been enhanced to support custom alternate URL for multicast in 2.6.2
May 2015	<ul style="list-style-type: none">• Cisco ECDS supports MDE-100XVBML5001K in release 2.6.4
September 2015	<ul style="list-style-type: none">• Cisco ECDS supports SNMP and Device page Enhancement in 2.6.5.

Table 1 Document Update History.

Date	Notes
January 2016	<ul style="list-style-type: none"> • Cisco ECDS supports NAT IP address in 2.6.6. • CDSM Alarm Enhancement in 2.6.6. • Maintenance for streamers supported in 2.6.6. • Cisco ECDS supports Alarm acknowledge Enhancement in 2.6.6. • Cisco ECDS supports MDE-100XVB1G2K and MDE-100XVBDCVM in release 2.6.6.
February 2017	<ul style="list-style-type: none"> • System status alarm supported from release 2.6.9.

Document Organization

Table 2 describes chapter content in this guide.

Table 2 Document Organization

Chapter or Appendix	Description
Chapter 1, “Product Overview”	Provides a brief introduction to the ECDS.
Chapter 2, “Network Design”	Describes the ECDS 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 Cisco Enterprise Content Delivery System Manager (CDSM), configuring a standby CDSM, navigating the CDSM, and a typical configuration workflow.
Chapter 4, “Configuring Devices”	Provides information about configuring the devices in the ECDS.
Chapter 5, “Configuring the Service Engine”	How to configure the Service Engine, including how to configure and manage features that require WCCP including IP Spoofing and HTTPS for application control Web settings.t.
Chapter 6, “Configuring the Service Router”	How to configure the Service Router.
Chapter 7, “Configuring WCCP”	How to configure WCCP and support features on your system.
Chapter 8, “Configuring Services”	Provides information about configuring delivery services.
Chapter 9, “Configuring the System”	Provides information on system configuration for the ECDS.
Chapter 10, “Monitoring the ECDS”	Provides information on monitoring the ECDS.
Chapter 11, “Maintaining the ECDS”	Provides information on upgrading the ECDS software, deleting devices from the system, performing disk maintenance, and removing content from the system.

Table 2 **Document Organization**

Chapter or Appendix	Description
Appendix A, “Troubleshooting”	Discusses troubleshooting Service Routers, and the acquisition and distribution of content.
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 Authorization Service Files”	Provides information on creating Authorization Service files.
Appendix E, “Verifying the ECDS”	Describes procedures for testing the ECDS using the different media players.
Appendix F, “Configuring Primary and Backup Proxy Servers”	How to configure primary and backup (failover) proxy servers.
Appendix G, “Software Licensing Information”	Provides information about the software licenses for the ECDS.
Appendix I, “Unsupported Features”	Provides information about features that may appear in the CDSM interface but which are not supported in the current release.
Appendix H, “URL Signing and Validating”	Provides information about the URL Signing and Validation feature for the ECDS.

Document Conventions

Table 3 lists conventions for command syntax descriptions and textual emphasis:

Table 3 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> .
[]	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 <i>screen font</i> .
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.
< >	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.



Caution

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



Note

Means *reader take note*. Notes contain helpful suggestions or references to materials not contained in this publication.



Tip

Means the following information might help you solve a problem.

Related Documentation

For complete document support for the Cisco Media Delivery Engine appliances and the Cisco Enterprise Content Delivery System, see the [Documentation for the Enterprise Content Delivery System \(ECDS\)](#) document roadmap at the following link:

<http://www.cisco.com/en/US/docs/video/ecds/documentation.html>

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](#).

To receive new and revised Cisco technical content directly to your desktop, you can subscribe to the [What's New in Cisco Product Documentation RSS feed](#). The RSS feeds are a free service.