



Preface

This preface describes the audience, use, and organization of the *Cisco TV CDS 3.2 Installation, Upgrade, and Maintenance Guide*. The preface also outlines the document conventions and support information.

This preface contains the following sections:

- [Document Revision History, page 5](#)
- [Audience, page 5](#)
- [Objective, page 6](#)
- [Document Organization, page 6](#)
- [Document Conventions, page 7](#)
- [Related Documentation, page 8](#)
- [Obtaining Documentation and Submitting a Service Request, page 8](#)

Document Revision History

The Document Revision History table below records the technical changes to this document.

Document Revision	Date	Change Summary
OL-28321-01	November 2012	Initial release.

Audience

This guide is for the networking professional managing the Cisco TV Content Delivery System, hereafter referred to as *CDS*. Before using this guide, you should have experience working with the Linux operating system, and be familiar with the concepts and terminology of Ethernet, local area networking, and TV streaming.

Objective

This guide provides the information you need to install, upgrade, and maintain the Cisco TV CDS servers.

This guide provides procedures for upgrading existing CDS servers in a CDS and a Virtual Video Infrastructure (VVI), as well as for installing and initially configuring newly shipped Content Delivery Engines (CDEs) for a new system (CDS or VVI).

This guide describes some system messages you might encounter during an upgrade. For information on installing the hardware, see the *Cisco Content Delivery Engine 110 Hardware Installation Guide* or the *Cisco Content Delivery Engine 205/220/250/420/460 Hardware Installation Guide*. See the [“Related Documentation”](#) section on page 8 for links to documentation online.

For documentation updates, see the Release Notes for this release.

Document Organization

This document contains the following chapters and appendix:

Chapter or Appendix	Descriptions
Chapter 1, “Installing and Configuring the TV CDS 3.2 Software”	Describes how to upgrade the software on the CDEs and initially configure them for functioning in the CDS or VVI.
Chapter 2, “Overview of Upgrading and Downgrading the TV CDS Software”	Provides an overview of the upgrade and downgrade process, including getting software files from the Cisco software download website.
Chapter 3, “Upgrading to Release 3.2.1”	Describes the software and operating system upgrade procedure for CDS servers, and the software upgrade for the Content Delivery System Managers (CDSMs) and Virtual Video Infrastructure Managers (VVIMs).
Chapter 4, “Downgrading from Release 3.2.1”	Describes the software and operating system downgrade procedure for the CDS servers, and software downgrade for the CDSMs and VVIMs.
Chapter 5, “System Maintenance”	Describes the procedures for adding, replacing, and removing a server, backing up and restoring a server, and recovering an administrator password.
Appendix A, “Troubleshooting”	Provides information on error and warning messages that may be encountered, and other problems that might occur. Output from the scripts are also included in this appendix.

Document Conventions

This guide uses the following conventions for command syntax descriptions and textual emphasis:

Conventions	Descriptions
bold font	Commands and keywords are in bold .
<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 because the string will include the quotation marks.
screen font	Terminal sessions and information the system displays are in <i>screen font</i> .
bold screen font	Information you must enter is in bold 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

These documents provide complete information about the CDS, and are available at Cisco.com:

- *Release Notes for the Cisco TV CDS 3.2.1*
- *Cisco TV CDS 3.2 RTSP Software Configuration Guide*
- *Cisco TV CDS 3.2 ISA Software Configuration Guide*
- *Cisco TV CDS 3.2 API Guide*
- *Cisco Content Delivery Engine 110 Hardware Installation Guide*
- *Cisco Content Delivery Engine 205/220/250/420/460 Hardware Installation Guide*
- *Cisco Content Delivery System 3.x Documentation Roadmap*
- *Regulatory Compliance and Safety Information for Cisco Content Delivery Engines*

You can access the software documents at:

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

You can access the hardware documents at:

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

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

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