



## Preface

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This preface describes the audience, use, and organization of the *Cisco VDS-VR 4.1 Software Configuration Guide*. The preface also outlines the document conventions and support information.

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## Document Revision History

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

Document Revision	Date	Change Summary
Fourth edition	November 2015	Updated to reflect VDS-VR 4.1.4 maintenance release.
Third edition	September 2015	Updated to reflect VDS-VR 4.1.3 maintenance release.
Second edition	July 2015	Updated to reflect VDS-VR 4.1.2 maintenance release.
First edition	May 2015	Initial release of VDS-VR 4.1.1.

## Audience

This guide is for the networking professional managing Cisco Videoscape Distribution Suite Video Recording (VDS-VR). 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 TV streaming.

# Objective

This guide provides the information you need to configure and monitor VDS-VR. This guide provides procedures for using the commands that have been created or changed for use with VDS-VR. It does not provide detailed information about these commands.

VDS-VR Release 4.1 supports the Cisco Content Delivery Engine (CDE) 465 and CDE 460 hardware platforms. Specifically, this release has been tested for support on the CDE 465-4R4 (equipped with 6 TB hard drives), CDE460-4R1, and CDE460-4R3 models.



## Note

VDS-VR Release 4.1 does not support CDE 100, CDE 200, CDE 300, or CDE 470 hardware models.

This guide does not describe system messages you might encounter or how to install VDS-VR hardware. For information on installing the hardware, see the following:

- *Cisco Content Delivery Engine 465 Hardware Installation Guide*
- *Cisco Content Delivery Engine 205/220/250/280/420/460/470 Hardware Installation Guide*

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

# New Features

VDS-VR Release 4.1.4 provides the following new features and functionality relative to earlier VDS-VR releases:

- Support for the Cisco Content Delivery System manager (CDSM) GUI
- Support for management port bonding via the CDSM GUI
- Support for installation of VDS-VR 4.1.4 on Cisco CDE 465 hardware sourced directly from Supermicro

Installation instructions for VDS-VR 4.1.4 on CDE 465 hardware sourced directly from Supermicro are provided in the *Release Notes for Cisco VDS-VR Software Release 4.1.4*.

# Document Organization

This document contains the following chapters and appendices:

Chapters or Appendices	Descriptions
<a href="#">Product Overview</a>	Provides an overview of the VDS video content delivery system.
<a href="#">Network Design</a>	Describes the possible network topologies for the VDS.
<a href="#">Getting Started</a>	Describes accessing and navigating the Content Delivery System Manager (CDSM).
<a href="#">Configuring the VDS</a>	Describes how to configure the VDS using the CDSM web-based user interface.
<a href="#">System Monitoring</a>	Explains how to monitor VDS components using the CDSM.

Chapters or Appendices	Descriptions
<a href="#">System Reporting</a>	Explains the different reports available through the CDSM.
<a href="#">System Maintenance</a>	Explains how to install software updates, restart services, add administrator users, and shut down and reboot the servers.
<a href="#">Troubleshooting</a>	Presents troubleshooting procedures for VDS, including the symptoms, probable causes, and recommended actions for a variety of problems.
<a href="#">Creating Bulk Configuration Files</a>	Provides information on creating Bulk Configuration XML files.
<a href="#">BMS Communication</a>	Describes the required Business Management System (BMS) configuration settings necessary for communicating with the VDS.
<a href="#">SNMP MIB and Trap Information</a>	Provides information on SNMP and the Cisco VDS-VR proprietary SNMP informational events and traps.
<a href="#">Using the VDS Streamer Application Monitoring Tool</a>	Describes the Streamer Application Monitoring Tool (AMT) that can be used to monitor the VOD Error Repair feature.
<a href="#">Engineering Access Level Pages</a>	Describes the CDSM pages visible with the Engineering access level.
<a href="#">CDDM Management Utility</a>	Describes the management utility for VDS Content Delivery Devices (CDDs).
<a href="#">Software Licensing Information</a>	Provides information on open-source licenses and Cisco's software licensing agreement.
<a href="#">VDS-VR Tunables</a>	Describes VDS-VR tunables, which are the configuration parameters for the CServer.
<a href="#">Installation, Upgrade, and Downgrade via YUM</a>	Describes the procedures to install, upgrade to, and downgrade from VDS-VR Release 4.1.4 software using YUM.
<a href="#">Configuring Port Bonding</a>	Describes procedures to configure port bonding, a new feature introduced in VDS-VR Release 4.1.3.

## Document Conventions

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

Conventions	Descriptions
<b>boldface</b> font	Commands and keywords are in <b>boldface</b> .
<i>italic</i> font	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.

Conventions	Descriptions
[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> .
<b>boldface screen font</b>	Information you must enter is in <b>boldface screen font</b> .
<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 VDS and are available from Cisco.com:

- *Release Notes for Cisco VDS-VR Software Release 4.1.4*  
Available through the Cisco Software Download website
- *Cisco TV VDS 3.5 API Guide*  
Available through the Cisco Software Download website
- *Cisco TV VDS 3.4 Content Name Server User Guide*  
Available through the Cisco Software Download website
- *Cisco TV VDS 3.5 Installation, Upgrade, and Maintenance Guide*
- *Cisco Content Delivery Engine 465 Hardware Installation 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*

You can access the software documents at the following URL:

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<http://www.cisco.com/c/en/us/support/video/videoscape-distribution-suite-television/tsd-products-support-series-home.html>

You can access the hardware documents at the following URL:

<http://www.cisco.com/c/en/us/support/video/content-delivery-engine-series/tsd-products-support-series-home.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* at: <http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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