



Preface

This preface describes the objectives and organization of this document and explains how to find additional information on related products and services. This preface contains the following sections:

- [Objectives, page ix](#)
- [Document Revision History, page ix](#)
- [Document Organization, page x](#)
- [Related Documentation, page xi](#)
- [Conventions, page xii](#)
- [Obtaining Documentation and Submitting a Service Request, page xiii](#)

Objectives

This document describes Cisco CDA Visual Quality Experience Application (VQE), Release 3.2, and explains how to set up and use the VQE software.

Document Revision History

[Table 1](#) 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.

Table 1 *Document Revision History*

Revision	Date	Change Summary
OL-14115-06	April, 2009	Document for VQE Release 3.3
OL-14115-05	January, 2009	Document for VQE Release 3.2
OL-14115-04	October, 2008	Document for VQE Release 3.1
OL-14115-03	August, 2008	Document for VQE Release 3.0
OL-14115-02	December, 2007	Document for VQE Release 2.1
OL-14115-01	August, 2007	Document for VQE Release 2.0

For information on the content and enhancements of each VQE release, see the relevant VQE release notes.

Document Organization

This publication is organized as follows:

Chapter	Title	Description
Chapter 1	Introduction to Cisco CDA Visual Quality Experience Application	Provides an introduction to Cisco CDA Visual Quality Experience (VQE) Application.
Chapter 2	Getting Started with the VQE Startup Configuration Utility	Explains how to use the Cisco VQE Startup Configuration Utility to perform the initial configuration tasks for the Cisco CDE110 that hosts VQE-S and the CDE110 that hosts VQE Tools.
Chapter 3	Using the VQE Channel Provisioning Tool	Describes how to use Cisco VQE Channel Provisioning Tool (VCPT).
Chapter 4	Using the VQE-S Application Monitoring Tool	Describes how to use Cisco VQE-S Application Monitoring Tool (VQE-S AMT or AMT)
Chapter 5	Troubleshooting VQE Software Components	Describes how to identify and remedy problems related to Cisco VQE Server, VQE-S Application Monitoring Tool, and VQE Channel Provisioning Tool. The chapter also explains how to stop, start, and restart the VQE-S and VQE Client Configuration Delivery Server (VCDS) services.
Chapter 6	Configuring VQE Server and VQE Tools	Describes these VQE Configuration Management System software components: VQE Configuration Tool, Configuration Engine, and the VCDB Parser. The chapter also provides information on using Configuration Tool, manually editing the VCDB file, and using vqe_cfgtool command.
Appendix A	VQE, System, and Network Parameters	Provides descriptions of the VQE-S Configuration Database (VCDB) parameters.
Appendix B	Using Net-SNMP	Gives information about using Net-SNMP on the Cisco CDE110 that hosts VQE-S and on the CDE110 that hosts VQE Tools.
Appendix C	VQE System Messages	Provides information on the Cisco VQE system messages.
Appendix D	Manual Initial VQE System Configuration	Explains how to perform manual initial configuration on the CDE110 that hosts VQE-S and on the CDE110 that hosts VQE Tools.
Appendix E	Configuring DHCP and DNS Servers for VCDS	Provides information on configuring the Dynamic Host Configuration Protocol (DHCP) and Domain Name System (DNS) servers so that they work correctly with VCDS or another RTSP server.
Appendix F	Using the vcds_send_file Command	Gives overview information on network-based per-client configuration of VQE-C. Also, explains how to use the vcds_send_file command to send the client database file and group attribute file to one or more VCDSs.
Appendix G	Changing the Boot Sequence to Start from the CD/DVD Drive	Explains how to change the BIOS setting on the Cisco CDE110 server so that the server boots first from the CD/DVD Combo drive.

Related Documentation

The following is a list of documents and Cisco.com URLs for the Cisco CDE110 and the Cisco CDA Visual Quality Experience Application, Release 3.2:

- *Release Notes for Cisco CDA Visual Quality Experience Application, Release 3.3*
http://www.cisco.com/en/US/docs/video/cds/cda/vqe/3_3/release/notes/vqe_notes3_3.html
- *Cisco CDA Visual Quality Experience Application User Guide, Release 3.3* (this document)
http://www.cisco.com/en/US/docs/video/cds/cda/vqe/3_3/user/guide/vqe_guide3_3.html
- *Cisco CDA Visual Quality Experience Client System Configuration Guide*
http://www.cisco.com/en/US/docs/video/cds/cda/vqe/vqec/configuration/guide/vqec_cnfg.html
- *Cisco Content Delivery Engine 110 Hardware Installation Guide*
http://www.cisco.com/en/US/docs/video/cds/cde/cde110/installation/guide/cde110_install.html
- *Regulatory Compliance and Safety Information for the Cisco Content Delivery Engine 110*
http://www.cisco.com/en/US/docs/video/cds/cde/regulatory/compliance/cde110_rcsi.pdf

The VQE Client (VQE-C) documentation is included in the VQE-C software TAR file. If you are a registered Cisco.com user, the file can be downloaded from the following location:

<http://www.cisco.com/kobayashi/sw-center/content-delivery/cda.shtml>

Table 2 lists the VQE Client documentation that is provided.

Table 2 *VQE Client Documentation*

VQE-C Document	Description
<i>VQE-C Release Notes</i>	Provides release-specific information on VQE-C.
<i>VQE-C System Integration Reference</i>	Provides information on VQE-C components, architecture, integration, and APIs. Also includes a VQE-C quick-start guide.
<i>Cisco CDA Visual Quality Experience Client System Configuration Guide</i> *	Explains certain factors to consider when configuring and deploying VQE-C. Also provides reference information on the VQE-C configuration file parameters.
<i>VQE-C CLI Command Reference</i>	Provides reference information on the VQE-C command-line interface.

* This guide is available only on Cisco.com. See the URL in the list preceding Table 2.

Conventions

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

Table 3 *Command Syntax and Emphasis Conventions*

Convention	Description
boldface font	Commands and keywords are in boldface .
<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.
[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</i> font.
boldface screen font	Information you must enter is in boldface screen font.
<i>italic screen</i> font	Arguments for which you supply values are in <i>italic screen</i> font.
^	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.
[]	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.



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.



Caution

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

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>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

