



CHAPTER 2

Cisco Unified Videoconferencing Manager Installation

This section describes the procedure for installing Cisco Unified Videoconferencing Manager.

Topics in this section include:

- [About the Cisco Unified Videoconferencing Manager Installation, page 2-1](#)
- [How to Install Cisco Unified Videoconferencing Manager, page 2-3](#)
- [Updating the Cisco MCS Operating System, page 2-6](#)
- [Uninstalling Cisco Unified Videoconferencing Manager, page 2-6](#)
- [Obtaining a License, page 2-6](#)

About the Cisco Unified Videoconferencing Manager Installation

The following information is important to consider before installing Cisco Unified Videoconferencing Manager.

Topics in this section include:

- [Supported External Database Types, page 2-1](#)
- [Using an LDAP Database, page 2-2](#)
- [Port Considerations, page 2-2](#)
- [System Requirements, page 2-3](#)

Supported External Database Types

You can configure Cisco Unified Videoconferencing Manager to use any of the following external database servers. You must install the external server before installing Cisco Unified Videoconferencing Manager.

- Microsoft SQL Server 2000 Standard Edition
- Microsoft SQL Server 2000 Enterprise Edition

**Note**

For an internal MySQL database, make sure to uninstall any previous MySQL versions. Do not install the MS SQL database on the same machine as Cisco Unified Videoconferencing Manager.

Login Information Requirements

Login information must comply with the following requirements

- Number of characters in database name is less than 32
- Number of characters in username is less than 16
- Number of characters in password is less than 12

Using an LDAP Database

If you select an LDAP database, a non-LDAP administrator account is created to ensure that if any issue arises with the LDAP server setup, the non-LDAP administrator retains access to Cisco Unified Videoconferencing Manager in order to be able to fix any problems that may arise.

Port Considerations

The term *port* refers to the Cisco Unified Videoconferencing Manager connection to an endpoint.

Examples of Port Usage

Different situations require different port usage, as shown in the following examples

- A meeting with five participating endpoints uses five ports.
- A call via a gateway to an MCU uses one port.
- A meeting spans multiple MCUs for bandwidth optimization, therefore an additional port is required on each MCU for cascading.
- A meeting spans two MCUs with three participating endpoints on the first MCU and four participants on the second MCU. Nine ports (7 endpoints + 2 MCUs) are required.

Port Assignment

The default installation port for Cisco Unified Videoconferencing Manager is port 8080. On certain platforms, certain applications such as the Internet Information Services Web Server (IIS), also use port 8080.

To avoid a port conflict, before installing Cisco Unified Videoconferencing Manager, disable the specific application that occupies port 8080 or install Cisco Unified Videoconferencing Manager on a port other than port 8080.

System Requirements

Hardware Requirements

To ensure a consistent operating environment for Cisco Unified applications, all new installations of Cisco Unified Videoconferencing Manager must be installed on a Cisco Media Convergence Server (MCS) 7825 Unified CallManager Appliance. This includes the following product IDs:

- MCS-7825-I1-RC1
- MCS-7825-H1-RC1

The Cisco MCS is a Microsoft Windows software-based server. It is not shipped with an installed operating system. A Cisco Systems version of Microsoft Windows 2000 Server is provided on a CD-ROM and shipped with the Cisco Unified Videoconferencing Manager software application that will run on the Cisco MCS hardware.

Related Topics

- [Installing the Cisco MCS Operating System, page 2-3](#)
- [Updating the Cisco MCS Operating System, page 2-6](#)

Browser Requirements

- Internet Browser—IE version 6.0 is required for efficient operation.
- Port Usage

How to Install Cisco Unified Videoconferencing Manager

This section describes how to install Cisco Unified Videoconferencing Manager.

Topics in this section include:

- [Installing the Cisco MCS Operating System, page 2-3](#)
- [Installing Cisco Unified Videoconferencing Manager, page 2-4](#)
- [Checking Installation, page 2-5](#)

Installing the Cisco MCS Operating System

Before you install the Cisco Unified Videoconferencing Manager software on the Cisco MCS, install the MCS operating system. Follow the procedure in *Installing the Operating System on the Cisco IP Telephony Applications Server* (version 2000.2.4 or later), which is included with the operating system software. Although the document refers to Cisco Unified CallManager and other applications, it also applies to Cisco Unified integration applications.

You will need the following product key during the installation: BTOO VQES CCJU IEBI.



Caution

Do not install the Cisco MCS operating system on any hardware other than a Cisco MCS.

If your network operates reliably at 100 MBps, set the Cisco MCS Ethernet Interface for 100 MB Full Duplex. Otherwise, set the interface for Autonegotiate.

Related Topics

- [About the Cisco Unified Videoconferencing Manager Installation, page 2-1](#)
- [Updating the Cisco MCS Operating System, page 2-6](#)

Installing Cisco Unified Videoconferencing Manager

This section describes the steps involved in the basic, initial installation of Cisco Unified Videoconferencing Manager.

Before You Begin

Make sure that you have installed the Cisco MCS operating system on the Cisco MCS. For more information, see the [“Installing the Cisco MCS Operating System” section on page 2-3](#).

Procedure

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- Step 1** Double-click the *Cisco_Unified_Videoconferencing_Manager_5_0_x_x_x.exe* file to start the installation wizard.



Note Read and follow the instructions on each installation wizard window.

- Step 2** In the Introduction window, click **Next**.
- Step 3** In the License Agreement window, select **I accept the terms of the License Agreement**, and then click **Next**.
- Step 4** In the Directory Selection window, select the directory in which you want to install Cisco Unified Videoconferencing Manager, and then click **Next**.
- Step 5** In the host name field, type the name of the Cisco Unified Videoconferencing Manager host.



Note This name is used as the host name in all Cisco Unified Videoconferencing Manager URLs.

- Step 6** Enter a port number for use by the application, and then click **Next**.



Note The default port value is 8080.

The installer checks for port conflicts.

- Step 7** If a port conflict is found, enter a different port number or free the Cisco Unified Videoconferencing Manager port setting, and then click **Next**.
- Step 8** In the Outgoing Mail Server Information window, enter mail server information including security credentials, if necessary. Any SMTP-compatible mail server may be used, including Microsoft Exchange Server.
- Step 9** To perform e-mail authentication, enter the address of an existing e-mail account, and click **Next**.
The installer confirms connection before continuing.

**Note**

If SMTP server fields are left empty, Cisco Unified Videoconferencing Manager is not able to send e-mail notification of account creation.

Step 10 Click **Next**.

Step 11 In the Account Login Information window, to create an administrator account for login to Cisco Unified Videoconferencing Manager, enter a login ID, password, and e-mail address, and then click **Next**.

Step 12 In the Single Sign-on Setting window, click **Enable Single Sign-on**, if required.

The Single Sign-On (SSO) feature simplifies access to the Cisco Unified Videoconferencing Manager scheduling web-interface when Cisco Unified Videoconferencing Manager is configured with an ADS server.

Using SSO, users logged in to the organization domain are authenticated transparently via their ADS domain account and password credentials when they access Cisco Unified Videoconferencing Manager web pages. Such users will not be asked for a user name or password as long as they are working with ADS.

**Note**

To enable SSO, the Cisco Unified Videoconferencing Manager machine should reside in the local intranet and the machine address should not contain periods. For example, <http://webserver>. For more detailed information, see <http://support.microsoft.com/default.aspx?scid=kb:en-us:Q258063>.

Step 13 Click **Next**.

Step 14 In the Pre-Installation Summary window, review the summary information.

Step 15 Make sure free disk space is adequate.

Step 16 Click **Install**.

The installer confirms the environment and prepares to copy files. If the database is successfully installed, an Installation Complete window appears.

Step 17 Click **Done** to exit the installer.

The login window appears.

**Note**

When you install Cisco Unified Videoconferencing Manager for the first time, after initial login, the User Provisioning window appears in which you select a database for the system.

Checking Installation

To confirm successful installation, go to <http://<Cisco-host>:8080/cuvcm>. If you have modified the Cisco Unified Videoconferencing Manager web server port default setting, add the string :<new port number> after <Cisco Unified Videoconferencing Manager-host> in the URL. For example, <http://<Cisco-host>:80/cuvcm>. After system initialization, the Cisco Unified Videoconferencing Manager login window appears.

Updating the Cisco MCS Operating System

You must update the Cisco operating system only with upgrades and patches issued by Cisco.



Caution

Do not install operating system upgrades or patches on the Cisco MCS that were taken directly from Microsoft.

Uninstalling Cisco Unified Videoconferencing Manager

To uninstall Cisco Unified Videoconferencing Manager, from the system Start menu, in the Cisco Unified Videoconferencing Manager program file group, click **Uninstall** Cisco Unified Videoconferencing Manager or in the Control Panel, in Add/Remove Programs, select the Cisco Unified Videoconferencing Manager program, and then select **Uninstall Program**.



Note

If you select the internal MySQL during installation, the MySQL database is uninstalled when you uninstall Cisco Unified Videoconferencing Manager.

Obtaining a License

At the end of the installation process, a temporary license is automatically installed. This license provides 30 ports and is valid for 30 days.

Topics in this section include:

- [Obtaining a Permanent License, page 2-6](#)
- [Updating the Cisco Unified Videoconferencing Manager License, page 2-7](#)

Obtaining a Permanent License

Procedure

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- Step 1** In the Cisco Unified Videoconferencing Manager toolbar, click the **Help About** icon.
- Step 2** In the Help About window, click the link **Click here to purchase licenses**.
The Permanent License Registration Site page opens.
- Step 3** Follow the instructions in the How to receive your permanent license section.
Upon completion, your license is sent to you by e-mail.
- Step 4** On the server where Cisco Unified Videoconferencing Manager is installed, save the license. Upon completion of the Cisco Unified Videoconferencing Manager installation, the Update License option appears in the Cisco Unified Videoconferencing Manager program group.

**Caution**

The name of the license file is *vcs-license.txt*. It is a fingerprint-protected file. If edited, the license file is considered to be tampered with and does not function.

Updating the Cisco Unified Videoconferencing Manager License

You can update the standard license with the License Manager.

Procedure

- Step 1** To start the License Manager installer, select **Start > Programs > Cisco Video Administration for Cisco Unified MeetingPlace > Update License**.
- Step 2** In the License Manager, select the options per your requirements:
- Branding
 - License key
 - Configure administrator user name, password and e-mail settings
- Step 3** Click **Done**.
- The installer closes and Cisco Unified Videoconferencing Manager operates using the updated license files.
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