



Cisco Unified Videoconferencing Manager Installation Guide

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Preface

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Purpose

This guide describes how to install the Cisco Unified Videoconferencing Manager.

Audience

This guide is intended for administrators of the Cisco Unified Videoconferencing Manager.

Organization

This manual is organized as follows:

Chapter	Description
Chapter 1, “Introducing Cisco Unified Videoconferencing Manager”	Provides an introduction to the Cisco Unified Videoconferencing Manager.
Chapter 2, “Cisco Unified Videoconferencing Manager Installation”	Provides information and procedures about the installation of the Cisco Unified Videoconferencing Manager.

Document Conventions

This document uses the following 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> .

Convention	Description
[]	Elements in square brackets are optional.
{ x y z }	Alternative 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 <code>screen font</code> .
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.

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, 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>



CHAPTER 1

Introducing Cisco Unified Videoconferencing Manager

Overview

Cisco Unified Videoconferencing Manager is a single-installation product that contains the following components:

- Resource Manager is a simple-to-use, web-based application for managing visual communications in multi-site organization deployments. It provides resource management of network devices for video and audio meetings as well as scheduling, call-routing, and conference control functionalities.

Resource Manager includes an internal ITU-T H.323 version4-compliant gatekeeper to provide call control for IP telephony and multimedia communication networks and an internal SIP User Agent to provide management and call control for IP telephony and multimedia communication on the SIP network.

- Network Manager provides a central management interface, enabling network administrators to easily and intuitively control, configure, and maintain collaborative Cisco Unified Videoconferencing deployments.



CHAPTER 2

Cisco Unified Videoconferencing Manager Installation

This section provides Cisco Unified Videoconferencing Manager installation information and procedures. Topics in this section include:

- [Pre-installation, page 2-1](#)
- [Installation, page 2-2](#)
- [Post-installation, page 2-3](#)

Pre-installation

The information in this section is important to consider before installing Cisco Unified Videoconferencing Manager.

Minimum System Requirements

The following are the minimum system requirements for Cisco Unified Videoconferencing Manager:

- Cisco MCS Server 7825 or 7835

Supported LDAP Server Types

Cisco Unified Videoconferencing Manager supports the following LDAP server types:

- Microsoft Active Directory 2000/2003
- Netscape iPlanet Directory Server
- Sun One Directory Server

Port Requirements

The following are the required ports for Cisco Unified Videoconferencing Manager. Make sure all required ports are available.

Table 2-1 Cisco Unified Videoconferencing Manager Port Requirements

Port Location	Port Required For	Port Number
Default Web server	---	8080
Gatekeeper or internal gatekeeper connection	Authorization connection	3341
Gatekeeper or internal gatekeeper connection	XML API	3271
Gatekeeper or internal gatekeeper connection	SNMP	161
MCU connection	XML API	3336
MCU connection	SNMP	161
Gateway	SNMP	161

**Note**

In the event that there is a port 8080 conflict when installation is performed on an IBM MCS server, choose a different port for web access or disable the ServeRAIDFlashCopy service. For more information, see the IBM Systems technical support website.

Installation

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

**Note**

Make sure that the Microsoft Windows SNMP service is pre-installed, if an internal gatekeeper component is installed in Cisco Unified Videoconferencing Manager. Do not install a MySQL database on the Cisco Unified Videoconferencing Manager host server.

Procedure

- Step 1** Click the *Cisco_Unified_Videoconferencing_Manager_5_0_x_x_x.exe* file to start the installation wizard.
- Step 2** Click **Next** in the Introduction window.
- Step 3** Choose **I accept the terms of the License Agreement** in the License Agreement window, and then click **Next**.
- Step 4** Choose the directory in which you want to install the application in the Directory Selection window, and then click **Next**.
- Step 5** Enter the host name URL and Web server port number used by the application. Make sure that the Web server port is not in use by another application, and then click **Next**.
- Step 6** Enter mail server information in the Outgoing Mail Server Information window. To confirm that the email server is functioning, enter an email address and you should receive a test email.

**Note**

If SMTP server fields are left blank, email messages are not sent.

Step 7 Create an administrator account for accessing the application, in the Account Login Information window. With this account, you can access both the Resource Manager and the Network Manager.

Step 8 Choose **Enable Single Sign-on** (SSO) if it is needed, in the Single Sign-on Settings window.

Using SSO, a user who is logged into the organization domain and then tries to access the Resource Manager Web login window, is authenticated (transparently) according to ADS domain account and password credentials when the user enters the Resource Manager web login window. As long as the user is using Microsoft ADS, there is no request for a username or password.

To enable SSO, it is recommended that host server reside on the local Intranet and the machine address does not contain periods. For more information, see

<http://support.microsoft.com/default.aspx?scid=kb;en-us;Q258063>.

Step 9 Review the installation summary in the Pre-installation Summary window, and then click **Install** to proceed with the installation.

**Note**

Do not interrupt the installation. After starting the Cisco Unified Videoconferencing Manager service allow several minutes for server initialization before logging in to the web-user interface.

Post-installation

This section includes post-installation information about Cisco Unified Videoconferencing Manager.

Confirming the Installation

To confirm that the installation is successful, go to <http://host-URL:port-number>. After system initialization, the Resource Manager login window appears.

**Note**

You can also access the Resource Manager and Network Manager login windows from the Start menu of the local server. From the Resource Manager login window to the Network Manager, and vice versa.

Running the Cisco Unified Videoconferencing Manager Service

Cisco Unified Videoconferencing Manager is installed as a Windows Service on your server. Cisco Unified Videoconferencing Manager automatically starts when the server is started.

Restarting the Cisco Unified Videoconferencing Manager Service

To restart Cisco Unified Videoconferencing Manager, you must either restart the server or use the following procedure to restart the Cisco Unified Videoconferencing Manager service:

Procedure

-
- Step 1** Choose **Settings > Control Panel > Administrative Tools > Services**, from the **Start** menu.
- Step 2** From the list of services currently running on the server, select the service name Cisco Unified Videoconferencing Manager.



Note When Cisco Unified Videoconferencing Manager is restarted, it may take a few minutes for the application to properly initialize before web pages can be loaded.

Initial Login

When you log in to Resource Manager for the first time, the User Provisioning window opens. You can choose whether user records are stored, using an internal database or LDAP user accounts. For further information, see the [Cisco Unified Videoconferencing Manager Administration Guide](#).



Note Uninstalling the application removes the database used by the application from either the internal database or the external database.

Accessing Cisco Unified Videoconferencing Manager Components

You can access both the Resource Manager and Network Manager login windows from the Start menu of the local server. Click the link in Resource Manager login window to access the Network Manager, and vice versa.

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. To obtain an Cisco Unified Videoconferencing Manager license, use the following procedure:

Procedure

-
- Step 1** In the Resource Manager toolbar, click the **Help About** icon.
- Step 2** Click the link **Click here to purchase licenses**, in the Help About window.
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** After obtaining the license and serial number, choose **Start > Programs > Cisco Unified Videoconferencing Manager > Update License** to apply the new license and serial number.

- Step 5** On the server, in the location 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.
-

Uninstalling Cisco Unified Videoconferencing Manager



Caution

If you uninstall Cisco Unified Videoconferencing Manager, the database that Cisco Unified Videoconferencing Manager uses is removed from either the internal or the external database according to its location.

To uninstall Cisco Unified Videoconferencing Manager, choose **Start > Programs > Cisco Unified Videoconferencing Manager > Uninstall Cisco Unified Videoconferencing Manager** or choose **Control Panel > Add/Remove Programs > Cisco Unified Videoconferencing Manager > Uninstall Program**.

