



CHAPTER 2

Deploying and Updating Cisco Unified Video Advantage

- [How to Deploy the Application, page 2-1](#)
- [Installing the Application, page 2-7](#)
- [Updating the Application, page 2-7](#)

**Note**

Before deploying the application, make sure that you have completed the configurations in the “[Configuring Cisco Unified Communications Manager](#)” section on page 1-3 and “[Configuring Cisco Unified IP Phones](#)” section on page 1-5.

How to Deploy the Application

- [Installer Package Names, page 2-1](#)
- [Software Components, page 2-2](#)
- [Software Download Site, page 2-3](#)
- [Deploying the Application and the Cisco VT Camera II Drivers](#)
- [Customizing the Deployment with Command-Line Options](#)
- [Log File Locations, page 2-6](#)

Installer Package Names

You can deploy Cisco Unified Video Advantage and the Cisco VT Camera II drivers by using the installer packages listed in [Table 2-1](#). The installers are bundled into one Zip file that contains a separate installer for the Cisco VT Camera II drivers and another installer for the Cisco Unified Video Advantage application.

**Note**

Cisco Unified Video Advantage does not install the Cisco VT Camera II drivers during its installation. You install the camera drivers and the application as separate tasks.

**Note**

Cisco VT Camera III does not require any separate driver installation because it uses the camera drivers in your operating system.

Table 2-1 *Installer Packages for Cisco Unified Video Advantage*

Filename	Description
CiscoUnifiedVideoAdvantageSetup.exe	This executable contains the required Windows Installer engines and default verbose logging for typical deployments. The executable is recommended when end users are installing the application on their own PCs.
CiscoVTCameraDriverSetup.exe	This executable contains the installer for the Cisco VT Camera II device drivers. The installation prompts the user to choose the language (if a language other than English is available).
CiscoUnifiedVideoAdvantageSetup.msi	This MSI ¹ package allows you to provide deployment customization using command-line options. Logging is not automatically set when you use the MSI package. The MSI package is recommended for use by systems administrators with their deployment tools.
CiscoVTCameraDriverSetup.msi	This MSI package contains the installer for the Cisco VT Camera II device drivers. This package is offered in English only.

1. MSI = Microsoft Windows Installer

Related Topics

- [Software Components, page 2-2](#)
- [Software Download Site, page 2-3](#)

Software Components

Table 2-2 lists the Cisco Unified Video Advantage software components.

Table 2-2 *Cisco Unified Video Advantage Software Components*

Component	Description
CDP driver	Transmits and receives device information so that Cisco Unified Video Advantage software can determine the IP address of the Cisco Unified IP Phone to which it is connected and can associate to that phone.
Cisco Unified IP Phone firmware	Firmware release that supports video on the Cisco Unified IP Phone. For details about specific phone models and firmware releases, see the release notes for the phone model you are using: http://www.cisco.com/en/US/products/hw/phones/ps379/prod_releas_notes_list

Table 2-2 Cisco Unified Video Advantage Software Components (continued)

Component	Description
Cisco Unified Video Advantage Win32 application	<p>Performs these functions:</p> <ul style="list-style-type: none"> • Enables and manages the video window display • Communicates with the CDP driver • Communicates with the Cisco Unified Communications Manager by using a Cisco Unified IP Phone as an SCCP¹ proxy • Discovers the associated Cisco Unified IP Phone using CDP • Connects to the Cisco Unified IP Phone by using CAST² • Indirectly communicates with Cisco Unified Communications Manager and remote endpoints via CAST messages sent to the Cisco Unified IP Phone • Responds to events from a Cisco Unified IP Phone • Creates and manages system tray icons • Creates and displays the system tray popup messages for status feedback to the user
Software video decoders and encoders	Includes H.263 and H.264

1. SCCP = Skinny Client Control Protocol

2. CAST = Cisco Audio Session Protocol

Related Topics

- [Software Download Site, page 2-3](#)

Software Download Site

You must register for an account on Cisco.com to access the software download site:

<http://tools.cisco.com/support/downloads/go/Redirect.x?mdfid=278875240>

On the download site, the installer packages listed in [Table 2-1 on page 2-2](#) are offered as a single Zip file, which contain all the files required to deploy the application and the Cisco VT Camera drivers.

The software download site does not contain device drivers for third-party video cameras. These drivers should be provided by the manufacturer.

Related Topics

- [Deploying the Application and the Cisco VT Camera II Drivers, page 2-4](#)

Deploying the Application and the Cisco VT Camera II Drivers

Restriction

Cisco Unified Video Advantage and Cisco VT Camera II do not support the *advertising* or *publishing* deployment in which a user installs the application by opening an icon that the administrator has placed on the desktop.

Before You Begin

- If users in your company do *not* have administrator rights on their computers, we recommend that you use a software deployment tool for initial deployment. Alternately, you can manually install Cisco Unified Video Advantage and camera drivers on each PC.
- If your users are using third-party video cameras, make sure you provide them with the camera drivers and the instructions for installing them.
- Use the EXE package for end users and the MSI package for advanced users or administrators.
- On Windows Vista, even administrators have restricted permissions by default. Ensure that users have elevated privileges throughout the installation process.



Note

Cisco VT Camera III does not require any separate driver installation because it uses the camera drivers in your operating system.

Procedure

Table 2-3 describes how to deploy the application and Cisco VT Camera II drivers.

Table 2-3 Deploying the Application and Cisco VT Camera II Drivers

If you want to...	Then...
Deploy the executable or MSI package to a shared location (such as a web server) where users can access it.	Push the installer at an elevated privilege so that users can complete the installation (run the installer and follow the installation wizard)
Deploy either the executable or the MSI package directly to the client computer. Use an administrator account if necessary.	Push the installer at an elevated privilege so that users can complete the installation (run the installer and follow the installation wizard). or Perform the installation operation directly on a client computer while logged in as the administrator.
Use a software deployment tool to distribute Cisco Unified Video Advantage and camera drivers to client computers. Use this method if users do not have administrative privileges on their computers and if you want to avoid manually installing the application on each client PC. Software deployment tools include group policy-based tools, such as Active Directory, or more advanced tools, such as the SMS ¹ software from Microsoft.	Push the installer at an elevated privilege so that users can complete the installation (run the installer and follow the installation wizard).

1. SMS = System Management Server

Related Topics

- [Customizing the Deployment with Command-Line Options, page 2-5](#)
- [Log File Locations, page 2-6](#)
- [Installing the Application, page 2-7](#)
- [Updating the Application, page 2-7](#)

Customizing the Deployment with Command-Line Options

Table 2-4 provides examples of command-line options that are specific to the deployment of Cisco Unified Video Advantage with the MSI package and the Cisco VT Camera II with the MSI package. (Values given for variables are examples only.) You can use command-line options to reduce the number of configuration tasks that users might need to perform during and after installation.

**Note**

These configuration options are for new installations only and not for upgrades.

For a complete list of command-line options that can be used and examples of their usage, see this URL: <http://msdn2.microsoft.com/en-us/library/aa367988.aspx>

Table 2-4 Using Command-Line Options with the MSI Package

If you want to....	Use this command line
Prevent users from interacting with the installation process, but allow them to view its progress	<code>msiexec /i CiscoUnifiedVideoAdvantageSetup.msi /qb</code>
Specify an installation directory location	<code>msiexec /i \\server\share\CiscoUnifiedVideoAdvantageSetup.msi /qb INSTALLDIR="D:\Newlocation"</code>
Create a server image of Cisco Unified Video Advantage at a specified network location	<code>msiexec /a CiscoUnifiedVideoAdvantageSetup.msi</code>
Disable the Launch Cisco IP Communicator button	<code>msiexec /i CiscoUnifiedVideoAdvantageSetup.msi /qb LaunchIpCommunicatorButton=0 (to deactivate), 1 (to activate)</code>
Limit the deployment to use only the H.264 codec	<code>msiexec /i CiscoUnifiedVideoAdvantageSetup.msi /qb CODEC="H.264"</code>
Limit the deployment to use only the H.263 codec	<code>msiexec /i CiscoUnifiedVideoAdvantageSetup.msi /qb CODEC="H.263"</code>
Allow the deployment to use either the H.263 or H.264 codecs (enabled by default; there is no need to pass the CODEC="ALL" option)	<code>msiexec /i CiscoUnifiedVideoAdvantageSetup.msi /qb CODEC="ALL"</code>
Enable the video confirmation preference in the deployment	<code>msiexec /i CiscoUnifiedVideoAdvantageSetup.msi VIDEOCONFIRMATION=1</code>
Disable the video quality settings	<code>msiexec /i CiscoUnifiedVideoAdvantageSetup.msi NOVIDEOQUALITYSETTINGSSDIALOG=1</code>
Enable flow control	<code>msiexec /i CiscoUnifiedVideoAdvantageSetup.msi FLOWCONTROLOPTION=1</code>
Specify an alternate port	<code>msiexec /i CiscoUnifiedVideoAdvantageSetup.msi /qb UDPPORT="5555"</code>
Configure the Cisco Unified Problem Reporting Tool to send e-mail to a different address	<code>msiexec /i CiscoUnifiedVideoAdvantageSetup.msi PROBLEMREPORTMAILER=[e-mail address]</code>

Table 2-4 Using Command-Line Options with the MSI Package (continued)

If you want to....	Use this command line
Change the default location of the Cisco Unified Video Advantage application logs	<code>msiexec /i CiscoUnifiedVideoAdvantageSetup.msi TRACEPATH="C:\logfilelocation"</code>
Change the default location of the Cisco VT Camera II installation logs	<code>msiexec /i CiscoVTCameraDriverSetup.msi /L <Logfile></code>

**Note**

If you want Cisco Unified Video Advantage to display a window that users must manually dismiss before the installer reboots the computer, add a “+” character after “qb” in the command-line options in [Table 2-4](#).

Related Topics

- [Log File Locations, page 2-6](#)
- [Installing the Application, page 2-7](#)
- [Updating the Application, page 2-7](#)

Log File Locations

[Table 2-5](#) lists the log file types and their locations.

Table 2-5 Log File Locations

Log Type	Location
Cisco Unified Video Advantage installation	[CommonFilesFolder]CiscoUnifiedVideoAdvantageInstall.log Example: C:\Program Files\Common Files\CiscoUnifiedVideoAdvantageInstall.log
Cisco Unified Video Advantage application	[LocalAppData]Cisco\Cisco Unified Video Advantage Example: C:\Documents and Settings\ <userid>\Local Settings\Application Data\Cisco\Cisco Unified Video Advantage (Windows XP) Example: C:\Users\<username>\Appdata\Local\Cisco\Cisco Unified Video Advantage (Windows Vista)</username></userid>
Cisco VT Camera II installation	[CommonFilesFolder]VTCameraInstall.log Examples: C:\Documents and Settings\ <userid>\Local Settings\Temp (Windows XP) C:\Users\<username>\AppData\Local\Temp (Windows Vista)</username></userid>
Cisco Unified Problem Reporting Tool log	Desktop Example: C:\Documents and Settings\ <userid>\Desktop (Windows XP) Example: C:\Users\<username>\Desktop (Windows Vista)</username></userid>

Related Topics

- [Installing the Application, page 2-7](#)

Installing the Application

For detailed steps about installing the camera drivers and Cisco Unified Video Advantage, see the user guide at this URL:

http://www.cisco.com/en/US/products/sw/voicesw/ps5662/products_user_guide_list.html

**Note**

Cisco Unified Video Advantage no longer installs the Cisco VT Camera drivers. You install the camera drivers first and then install the Cisco Unified Video Advantage application. You perform these operations as separate tasks.

Related Topics

- [Log File Locations, page 2-6](#)
- [Updating the Application, page 2-7](#)

Updating the Application

Before You Begin

- Register for an account on Cisco.com so that you can access the software download site.
- During the upgrade of Cisco Unified Video Advantage, the Cisco VT Camera II camera drivers are removed and must be re-installed.
- Download the latest available software (camera drivers and Cisco Unified Video Advantage):
<http://tools.cisco.com/support/downloads/go/Redirect.x?mdfid=278875240>
- Users can uninstall the previous version of Cisco Unified Video Advantage or of the Cisco VT Camera II camera drivers through the **Control Panel**, but it is not required.

Restrictions

In a Windows OS environment, command-line options are not supported on upgrades. They are supported only on new installations.

Procedure

Step 1 Download the latest available Cisco Unified Video Advantage software and Cisco VT Camera II drivers from the Software Center:

<http://tools.cisco.com/support/downloads/go/Redirect.x?mdfid=278875240>

The installers are bundled into one Zip file that contains a separate installer for the Cisco VT Camera II drivers and another installer for the Cisco Unified Video Advantage application.

Step 2 Make the updated software available for deployment. For details, see the “Related Topics.”

- (If users have administrative privileges on their computers) Ask users to manually launch the application and/or camera driver executable to upgrade.
- (If users do not have administrative privileges on their computers) Use a software deployment tool to push software updates. A software deployment tool can temporarily elevate privileges for installation purposes. You probably used a software deployment tool to initially deploy the application.

Step 3 Tell users to follow the steps in the user guide for upgrading the application and Cisco VT Camera II drivers.

http://www.cisco.com/en/US/products/sw/voicesw/ps5662/products_user_guide_list.html

Related Topics

- [Deploying the Application and the Cisco VT Camera II Drivers, page 2-4](#)