

CallManager to use VT Advantage Configuration Example

Document ID: 50109

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Introduction

Cisco VT Advantage allows a user to stream video over their Cisco IP phone in real time if the other endpoint is also a Cisco approved video product. This document covers the steps you use to properly configure a Cisco CallManager and IP phones for use with Cisco VT Advantage. Refer to the install documentation for additional information about Cisco VT Advantage.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

The information in this document is based on these software and hardware versions:

- Cisco CallManager 4.01 with SR2a or later
- Cisco IP phones 7960G and 7940G with phone loads 6.0(4) or later
- Cisco IP phone 7970G with phone load 6.0(2) or later

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

Refer to the Cisco Technical Tips Conventions for more information on document conventions.

Configure Cisco CallManager for Video with VT Advantage

Verify and Configure Phone Load Information

By default, all IP phones only do voice and not video. These steps guide you through the configuration of Cisco CallManager so that an IP phone is able to do streaming video to another Cisco approved video device.

1. Verify that the current phone load supports enabling an IP phone for video. Refer to Cisco VT Advantage Install Documentation and Release Notes for information on which phone loads to use.
2. In order to configure all the phones with the new phone load, from the Cisco CallManager Administration page, go to **System > Device Defaults**.

In the Load Information field, enter the phone load ID for the corresponding device type and Device Pool.

3. If you would like to configure phone load only for few phones, select **Device > Phone**, click to list available phones, and select the phone you would like to configure. In the phone configuration page, enter the phone load under Load Information and click **Update**.

Download the latest phone load from the Cisco IP Phone FW 7900 Series (NON SIP) (registered customers only) software download site if you wish to have the latest phone load.

4. Complete these steps if you wish to verify a phone load from the IP phone itself:
 - a. Press the **Settings** button on the IP phone.
 - b. Scroll down to the **Status** and select it.
 - c. Scroll down to Firmware Version and note the App load ID. Compare this to the list of approved VT Advantage phone loads.

Configure Cisco CallManager to Activate Video on an IP Phone

Once the phone load is correct, make sure the IP phone is enabled for video.

1. From the Phone Configuration screen scroll down to the Video Capabilities parameter and select **Enabled**.

Cisco CallManager 4.0 Administration - Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address http://172.16.19.10/cconadmin/phoneconfig.asp?pkid={667DD685-FD31-4A18-86D9-1851D91DC9ED}

Extension Mobility (Device Profile) Information

Enable Extension Mobility Feature

Log Out Profile

Log In User ID

Log In Time

Log Out Time

Multilevel Precedence and Preemption (MLPP) Information

MLPP Domain (e.g., "0000FF")

MLPP Indication

MLPP Preemption

Product Specific Configuration i

Disable Speakerphone

Disable Speakerphone and Headset

Forwarding Delay*

PC Port*

Settings Access*

Gratuitous ARP*

PC Voice VLAN Access*

Video Capabilities*

Auto Line Select*

Web Access*

* indicates a required item.

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- If you use regions, select **System > Regions**. Under the Region Configuration page, select **Find** and choose the region the phone is located in.

Make sure that the region that performs Cisco VT Advantage is G.711 or G.729 and has at least 128 to 384 kbps of video call bandwidth available for use.

Cisco CallManager 4.0 Administration - Region Configuration - Microsoft Internet Explorer

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Address http://172.16.19.10/cmadmin/regionconfig.asp?pkid={18189E81-7803-11D3-BDF0-00108302EAD1}

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration
For Cisco IP Telephony Solutions

Region Configuration

[Add a New Region](#)
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Region: SanJose
Status: Ready

Region Information

Region Name*

Call Information

The maximum audio codec/video bandwidth supported within this region and between 5 other regions are:

Region	Audio Codec	Video Call Bandwidth
NewYork	<input type="text" value="G.729"/>	<input type="radio"/> None <input checked="" type="radio"/> <input type="text" value="384"/> kbps
RichardsonTX	<input type="text" value="G.729"/>	<input type="radio"/> None <input checked="" type="radio"/> <input type="text" value="384"/> kbps
SanJose (Within this Region)	<input type="text" value="G.711"/>	<input type="radio"/> None <input checked="" type="radio"/> <input type="text" value="384"/> kbps
Seattle	<input type="text" value="G.729"/>	<input type="radio"/> None <input checked="" type="radio"/> <input type="text" value="384"/> kbps
SJHomeUsers	<input type="text" value="G.729"/>	<input type="radio"/> None <input checked="" type="radio"/> <input type="text" value="384"/> kbps
VoiceMailPorts	<input type="text" value="G.711"/>	<input type="radio"/> None <input checked="" type="radio"/> <input type="text" value="384"/> kbps

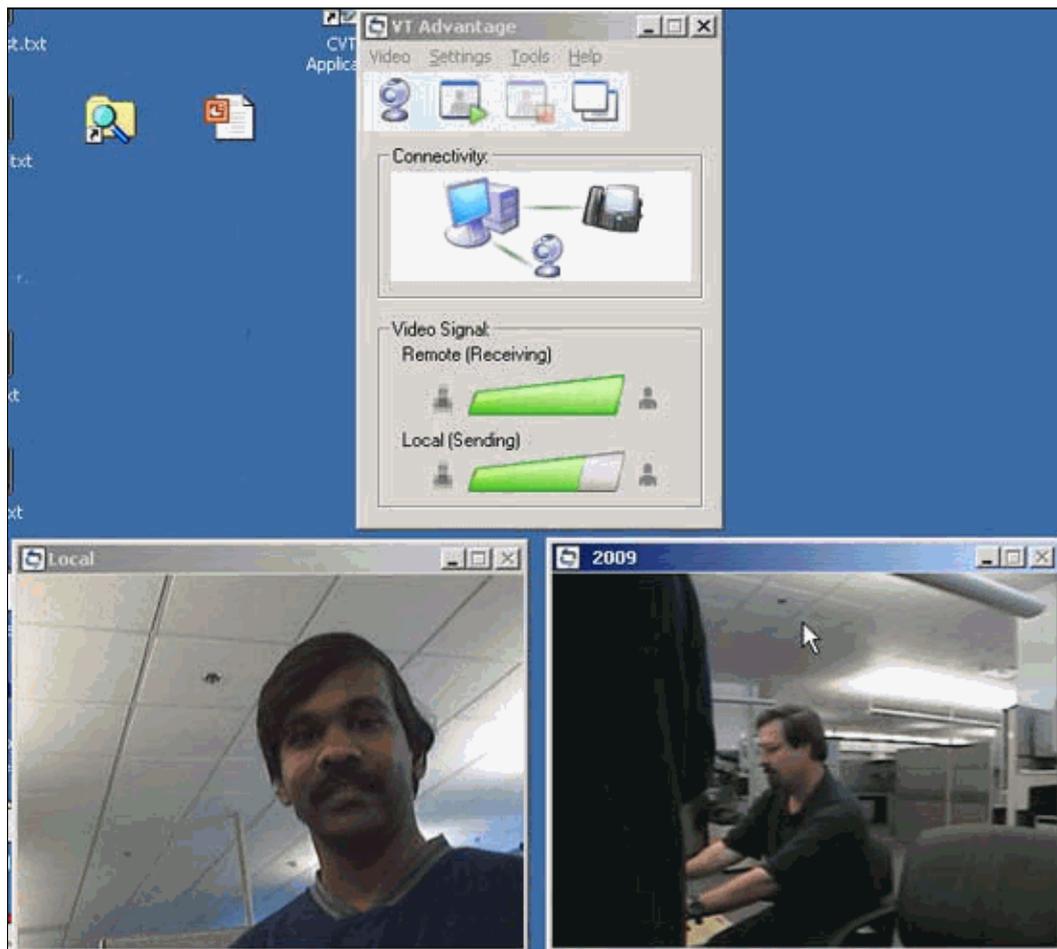
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- Once all of these settings are correctly made, you see a Video icon in the lower right hand corner of your IP phone. This indicates that the phone is ready to accept a Cisco VT Advantage endpoint.



Once You Are Finished

With the completion of the configuration process, you are able to attach a Cisco VT Advantage enabled PC to your IP phone and communicate via video with other end points. Refer to the Cisco VT Advantage Install Documentation and Release Notes for more information on how to configure the Cisco VT Advantage.



Related Information

- [Voice Technology Support](#)
- [Voice and IP Communications Product Support](#)
- [Troubleshooting Cisco IP Telephony](#)
- [Technical Support & Documentation – Cisco Systems](#)

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Updated: Jul 22, 2005

Document ID: 50109
