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CallManager to use VT Advantage Configuration Example

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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**.

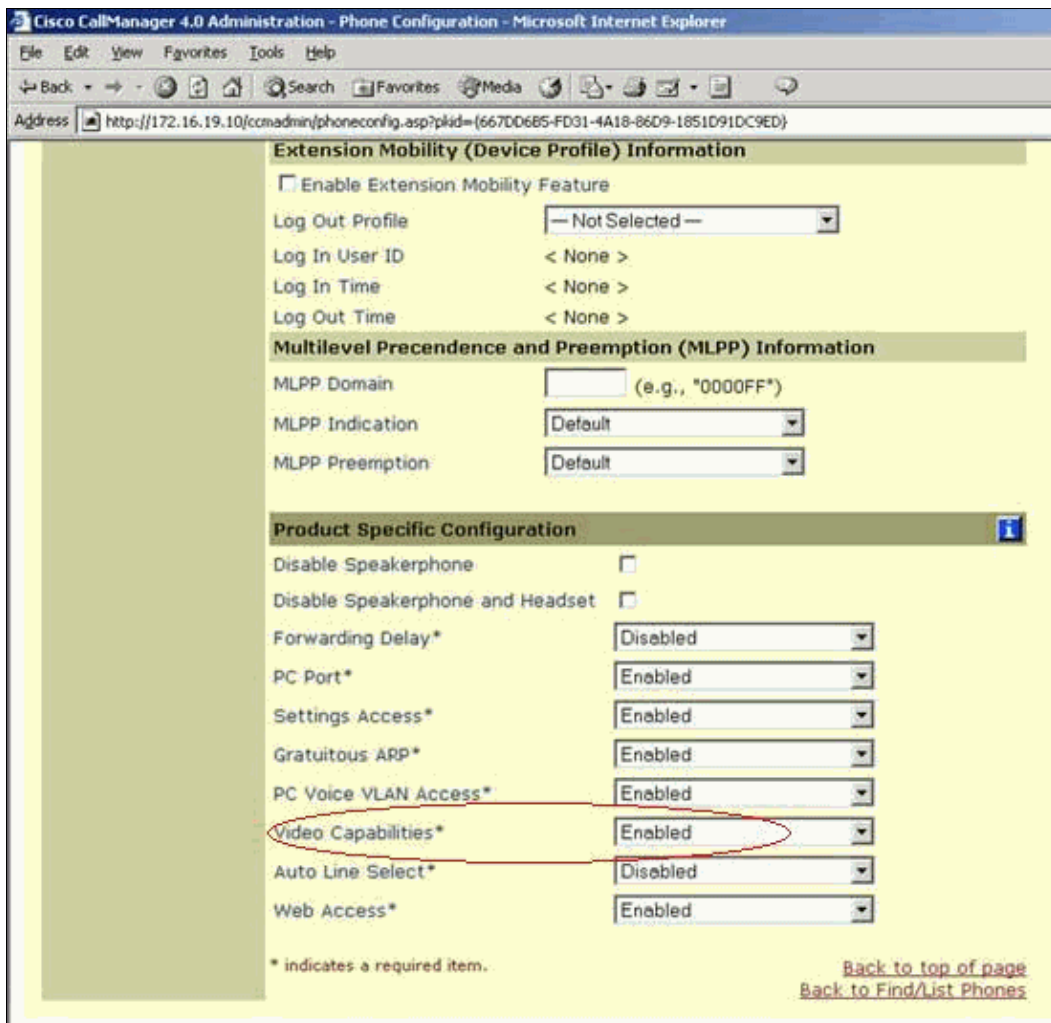
Download the latest phone load from the Cisco IP Phone FW 7900 Series (NON SIP) (registered customers only) software download site if you wish to have the latest phone load.

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**.



2. 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

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print Mail

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](#)
[Back to Find/List Regions](#)
[Dependency Records](#)

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	G.729	<input type="radio"/> None <input checked="" type="radio"/> 384 kbps
RichardsonTX	G.729	<input type="radio"/> None <input checked="" type="radio"/> 384 kbps
SanJose (Within this Region)	G.711	<input type="radio"/> None <input checked="" type="radio"/> 384 kbps
Seattle	G.729	<input type="radio"/> None <input checked="" type="radio"/> 384 kbps
SJHomeUsers	G.729	<input type="radio"/> None <input checked="" type="radio"/> 384 kbps
VoiceMailPorts	G.711	<input type="radio"/> None <input checked="" type="radio"/> 384 kbps

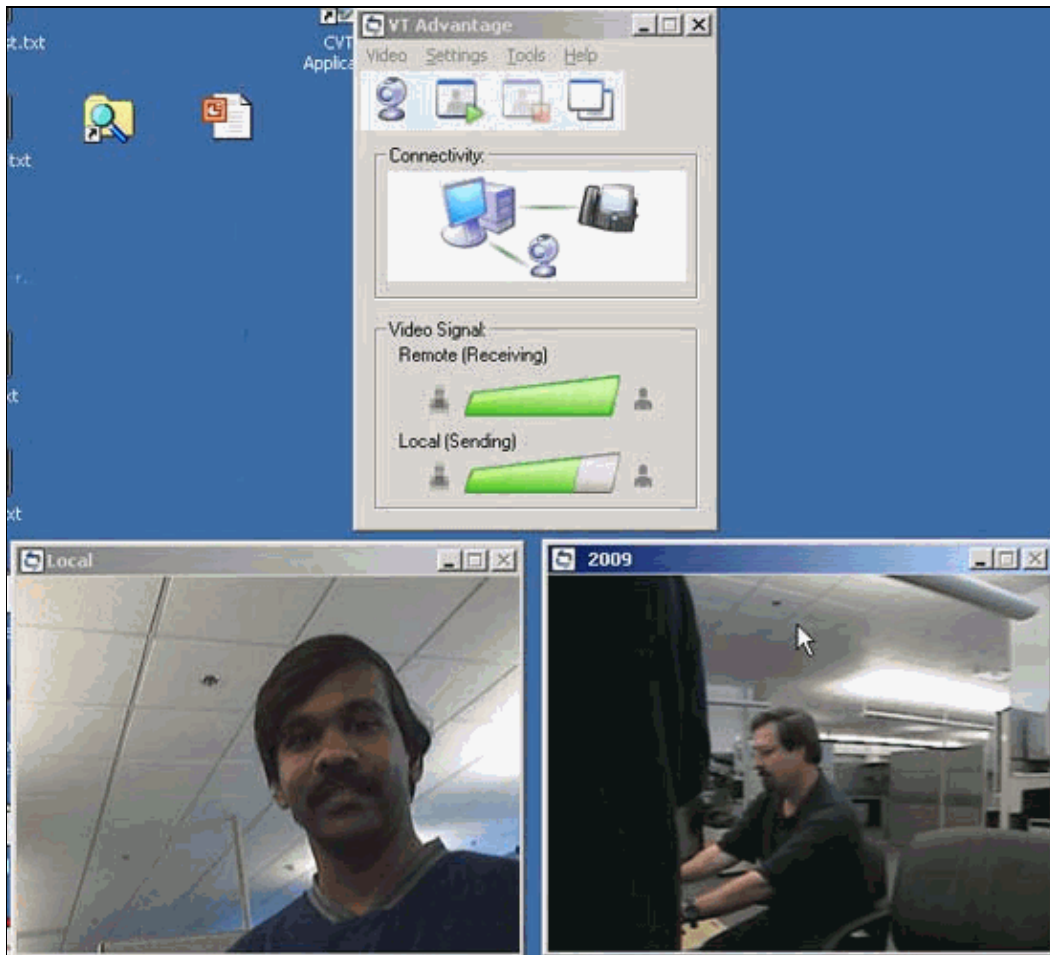
Items per page First Previous Next Last Page 1 of 1

- 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.



NetPro Discussion Forums – Featured Conversations

Networking Professionals Connection is a forum for networking professionals to share questions, suggestions, and information about networking solutions, products, and technologies. The featured links are some of the most recent conversations available in this technology.

NetPro Discussion Forums – Featured Conversations for Voice
Service Providers: Voice over IP
Voice & Video: Voice over IP
Voice & Video: IP Telephony
Voice & Video: IP Phone Services for End Users
Voice & Video: Unified Communications
Voice & Video: IP Phone Services for Developers
Voice & Video: General

Related Information

- **Voice Technology Support**
- **Voice and IP Communications Product Support**
- **Recommended Reading: Troubleshooting Cisco IP Telephony**

Cisco – CallManager to use VT Advantage Configuration Example

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