

MeetingPlace Web Windows Media Files Audio Quality Improvement

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Introduction

Cisco MeetingPlace Web can convert meeting recordings into Microsoft Windows Media format for online streaming. To enable this feature, the Windows Media Services component of the Microsoft Windows 2000 Server must be installed on the Cisco MeetingPlace Web server. Cisco MeetingPlace Web automatically installs the necessary encoder (Microsoft Windows Media Encoder version 7.0).

Generally, the default settings used by Cisco MeetingPlace Web and Windows Media Encoder to generate the Windows Media audio file provide reasonable audio quality. However, some may find the quality insufficient for their needs and may wish to improve the quality of the converted audio files.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

The information in this document is based on Cisco MeetingPlace Web versions 4.2.7 and 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

For more information on document conventions, refer to the Cisco Technical Tips Conventions.

Adjust MeetingPlace Web Settings

The first step in the meeting recording audio conversion process is the conversion from the proprietary Cisco MeetingPlace Voice Files (MPV) audio format (.mpv file) to Waveform Audio (WAV) format (.wav file). Once the .wav file is created, it is used as the source for the subsequent conversion into Windows Media format (and other supported audio formats). Therefore, the first step to improving the quality of the Windows

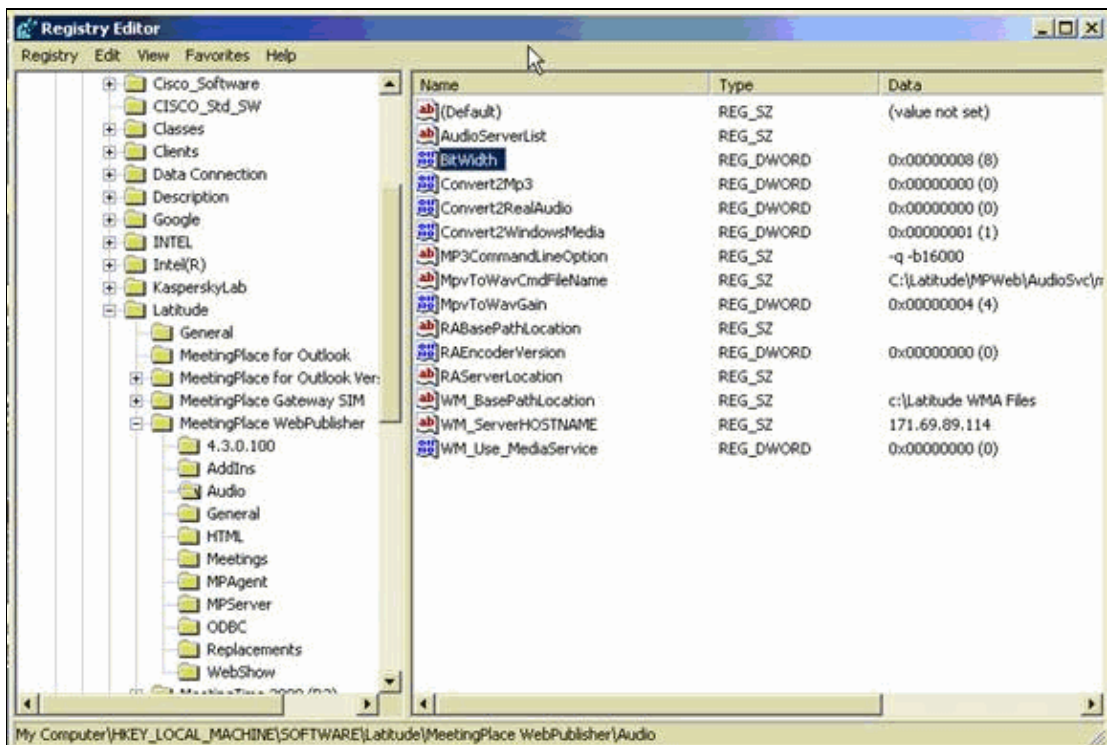
Media conversion is to improve the quality of the source file, which in this case is the result of the MPV-to-WAV conversion.

By default, Cisco MeetingPlace Web converts .mpv files to .wav files using 8-bit conversion. The quality can be improved by changing this conversion to 16-bit.

Note: A one-hour recording converted to WAV format at 8-bit results in a 28 MB file. If converted at 16-bit, the file size becomes 55 MB.

Complete these steps:

1. Go to **Start > Run** and issue the **regedit** command.
2. Go to **\HK_LM\Software\Latitude\MeetingPlace WebPublisher\Audio**.
3. Double-click the **BitWidth** key, select **Base = Decimal**, and then change the value in **Value Data:** from **8** to **16**.



Adjust Windows Media Encoder Settings

Note: This change should only be performed if changing the MPV-to-WAV conversion from 8-bit to 16-bit still does not provide you the audio quality you want. Also, the procedures in this document involve modifying the Windows Registry. If you are not familiar with modifying the registry, it is recommended that you contact your information technology (IT) support before proceeding.

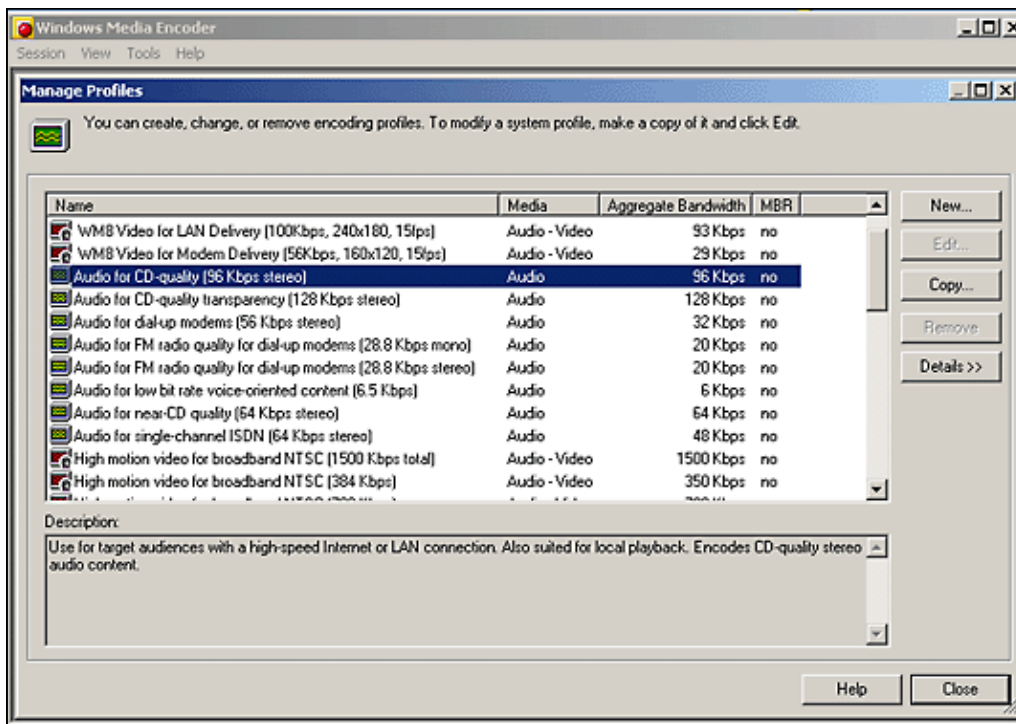
By default, Cisco MeetingPlace Web invokes Windows Media Encoder using one of Windows Media Encoder's built-in encoding profiles, which converts .wav to .wma at 20 kbps quality.

Complete these steps on the Cisco MeetingPlace Web machine:

1. Open the Windows Media Encoder. If you cannot find the program shortcut, you can find the actual program at **c:\Program Files\Windows Media Components\Encoder**.
2. If the program launches into the **Welcome to Windows Media Encoder** window, click **Cancel**. This

takes you into the Windows Media Encoder program user interface (UI).

3. From the menu bar, choose **Tools > Manage Profiles**. A list of available conversion profiles is displayed in the **Name** column, as shown here:



4. Write down name of the profile that you intend to use. The string you write down must be exactly the same as shown in the Name column.
5. Open the registry and go to **HK_LM\Software\Latitude\MeetingPlace Webpublisher\Audio**.
6. In the **Audio** folder, create a new String Value called **WM_ConversionProfile**, type = REG_SZ.
7. Set WM_ConversionProfile to the string value that you wrote down in Step 4. For example, **Audio for CD-quality (96 Kbps stereo)**.

Note: It is important that the text exactly match the name of the profile.

8. Once the WM_ConversionProfile registry value is set, restart these services:

◆ **For Cisco MeetingPlace Web 4.2.7:**

- ◇ MeetingPlace Replication Service
- ◇ MeetingPlace Audio Service

◆ **For Cisco MeetingPlace Web 4.3.0 and above:**

- ◇ MeetingPlace Web Conferencing

Related Information

- **Voice Technology Support**
 - **Voice and Unified Communications Product Support**
 - **Recommended Reading: Troubleshooting Cisco IP Telephony**
 - **Technical Support – Cisco Systems**
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