CHAPTER 3

Configuring the Cisco Unified Videoconferencing 5100 MCU Environment

Setting the User Interface Language

You can configure the language that the MCU supports. Table 3-1lists the languages that the MCU supports.

Note To view Chinese or Japanese fonts properly in the Administrator interface, the computer on which the web browser is running must support the relevant languages. On a Microsoft Windows operating system, you can set the default language in Control Panel > Regional and Language Options.

Table 3-1 Supported Languages in the MCU Interface

Language	Administrator Interface	Conference Control Interface	Text Overlay on Conference Video
English	*	*	*
Chinese (simplified)	*	*	*
Japanese	*	*	*
Portuguese	*	*	
Spanish	*	*	
Russian	*	*	

Procedure

Step 1 Select **Configuration** in the MCU user interface.

Step 2 Select **Setup**.

Step 3 Locate the Basics section.

Step 4 Select a language in the Default user interface language field.

Step 5 Select **Apply**.

Note You set the text overlay language at Configuration > Customization. For more information, see the "Setting a Text Overlay Language" section on page 6-1.

Setting the Cisco Unified Videoconferencing 5100 MCU Identifier

You can set the MCU identifier. This identifies the MCU in the following situations:

- During gatekeeper/SIP registration.
- When inviting endpoints into a conference.
- In the text overlay for the cascaded MCU in cascaded conferences.

Procedure

Step 1 Select **Configuration**.

Step 2 Select **Setup**.

Step 3 Locate the Basics section.

Step 4 Enter an identifier in the **MCU Identifier** field (up to a maximum of 32 characters). For example, "London office."

Step 5 Select **Apply**.

Setting the Time and Date on the Cisco Unified Videoconferencing 5100 MCU

Procedure

Step 1 Select **Configuration**.

Step 2 Click **Setup**.

Step 3 Locate the Basics section.

Step 4 (Optional) Select **Set manually** in the Date and time section.

Step 5 Click **Get local time** or click the calendar icon and set the required time settings.

Step 6 (Optional) Select **Set NTP server** to synchronize the time with a network server clock.

Step 7 Enter the IP address of the required NTP server.

Step 8 Select a time zone.

Step 9 Click **Apply**.

Changing Address Settings

You can change IP address information, DNS information and Ethernet port speed and duplex settings for the MCU.

Procedure

Step 1 Select **Configuration**.

Step 2 Select **Setup**.

Step 3 Locate the Network section.

Step 4 Perform any of these steps to change an IP address setting:

- **a.** Enter the IP address you want to assign to the MCU in the **IP address** field.
- **b.** Enter the IP address of the router you want either MCU to use in the **Router IP** field.
- **c.** Enter the subnet mask you want either MCU to use in the **Subnet Mask** field.

Step 5 To change or add DNS information, do the following steps:

- **a.** Enter the alias you want to assign to the current MCU in the **DNS suffix** field.
- **b.** Enter the IP address of the primary DNS server that you want the MCU to use in the **DNS server1** field.
- **c.** Enter the IP address of the back-up DNS server that you want the MCU to use in the **DNS server2** field.

Step 6 Select Ethernet port and duplex speed value you want to set in the **Port settings** field.

Note We recommend that you set the Port settings option to “Auto”.

Step 7 Select **Apply**.

Configuring Security for the Cisco Unified Videoconferencing 5100 MCU

You can configure the access that external programs have to the MCU. These external programs include Telnet, Simple Network Management Protocol (SNMP), File Transfer Protocol (FTP) and ICMP (Internet Control Message Protocol or "ping").

Procedure

Step 1 Select **Configuration**.

Step 2 Select **Setup**.

Step 3 Locate the Security section.

Step 4 Select the access level you want the MCU to support from the **Security mode** field.

- Standard—Allows SNMP, Telnet, FTP, and ICMP to access the MCU.
- High (no Telnet or FTP)—Allows access to the MCU only through SNMP and ICMP.
- Maximum (no Telnet, FTP, SNMP, or ICMP)—Disallows external programs to access the MCU.

Step 5 Select **Apply**.

Creating and Importing a Web Server Certificate

Procedure

Step 1 Select **Configuration**.

Step 2 Select **Setup**.

Step 3 Locate the Security section.

Step 4 Select **Manage** to create a web server certificate with the wizard, select **Import** to import an existing certificate, or select **Export** to save an existing certificate to a file.

Step 5 Select **Enable HTTPS**.

Step 6 Select **Apply**.

How to Manage SNMP Trap Servers

Viewing SNMP Trap Servers

Procedure

Step 1 Select **Configuration**.

Step 2 Select **Setup**.

Step 3 Locate the Trap servers section to view all configured SNMP trap servers to which the MCU sends SNMP traps.

Configuring SNMP Trap Servers

You can specify the IP address and port number for multiple SNMP trap servers to which the MCU sends SNMP traps.

Procedure

Step 1 Select **Configuration**.

Step 2 Select **Setup**.

Step 3 Locate the Trap servers section.

Step 4 Select **Add new server...** .

Step 5 Enter the IP address and port for the SNMP trap server.

The default port for SNMP servers is 162.

Step 6 Select **Apply** to save your settings.

Modifying SNMP Trap Servers

Procedure

Step 1 Select **Configuration**.

Step 2 Select **Setup**.

Step 3 Locate the Trap servers section.

Step 4 Select the button in the Review column for the server you want to modify.

Step 5 Modify the required settings.

Step 6 Select **Apply** to save your settings.

Deleting SNMP Trap Servers

Procedure

Step 1 Select **Configuration**.

Step 2 Select **Setup**.

Step 3 Locate the Trap servers section.

Step 4 Select the button in the Review column for the server you want to delete.

Step 5 Select **Delete**.

Step 6 Select **Yes** to confirm the deletion.

Configuring and Viewing Quality of Service

You can assign a Quality of Service (QoS) priority level to video and voice calls using either pre-configured system settings or by creating your own settings.

QoS settings involve configuring the MCU to add a QoS DiffServ Code Point value in the IP header of outbound packets. Routers on the network that support QoS can give preferential treatment for bandwidth, latency and jitter to such coded packets and facilitate the efficient transmission of packets. You can set QoS parameters on the MCU for voice calls, video calls or both.

Procedure

Step 1 Select **Configuration**.

Step 2 Select **Setup**.

Step 3 Locate the QoS section.

Step 4 Select **Enable QoS support**.

Step 5 Set the required DiffServ Code Point value for each media type by selecting one of these options:

- Auto attendant service—The system assigns the default DiffServ Code Point value for each media type. The default settings represent Cisco recommendations.
- Custom—The system assigns your own DiffServ Code Point value for each media type.

Step 6 (Optional, if you selected Custom) Do the following:

- Enter a whole number from 0 to 63 in the Voice priority field of the Video calls section to set the DiffServ Code Point value of voice packets that the MCU sends out. The default value is 34.
- Enter a whole number from 0 to 63 in the Video priority field of the Video calls section to set the DiffServ Code Point value of video packets that the MCU sends out. The default value is 34.
- Enter a whole number from 0 to 63 in the Voice priority field of the Audio calls section to set the DiffServ Code Point value of voice packets that the MCU sends out. The default value is 46.

Step 7 Select **Apply**.