



CHAPTER 4

Configuring Protocols for the Cisco Unified Videoconferencing 5000 MCU

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Configuring H.323 Gatekeeper Protocol Settings

You can configure the protocol settings of an H.323 gatekeeper to set how the MCU and the gatekeeper interact.



Note

- Changing gatekeeper settings does not reset the MCU, but might disconnect active calls.
 - You do need to reset the MCU to disable support for the H.323 protocol.
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Procedure

- Step 1** Select **Configuration**.
 - Step 2** Select **Protocols**.
 - Step 3** Locate the H.323 section.
 - Step 4** Select **H.323** to enable the MCU to operate with the H.323 protocol.
 - Step 5** Enter the IP address and port number for the gatekeeper.
The default port is 1719.
 - Step 6** Select **Apply**.
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Configuring SIP Proxy Settings

You can configure settings for SIP registrar profiles which set how the MCU and the registrar interact.

Procedure

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- Step 1** Select **Configuration**.
- Step 2** Select **Protocols**.
- Step 3** Locate the SIP section.
- Step 4** Select **SIP** to enable MCU communication with the SIP proxy.
- Step 5** Enter the SIP domain of the MCU in the **Default SIP domain** field as defined in the SIP server.
An example of a SIP domain is company.com.
- Step 6** Select **Locate automatically** to instruct the MCU to automatically locate one of the SIP proxy servers that are present in the domain,
or
Select **Specify** and enter the following:
- An IP address or host name of the SIP proxy, for example proxy.company.com.
 - The communication port number of the SIP proxy address. The default port is 5060.
 - The transport connection type for sending messages to the SIP proxy according to the type supported by the SIP proxy—UDP or TCP.
- This field is mandatory. The default is UDP.
-  **Note** The Locate automatically option works only if you have configured a valid IP address at Configuration > Setup > Network > DNS server1 or DNS server2.
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- Step 7** Select **Use registrar** to instruct the MCU to register with a SIP registrar and to send service information to the registrar.
- Step 8** Enter the following information:
- The IP address or the host name of the SIP registrar in the **IP address** field.
This field is mandatory.
 - The communication port number of the SIP registrar address.
 - The transport connection type for sending registration requests to the registrar according to the type supported by the SIP registrar—UDP or TCP.
This field is mandatory. The default is UDP.
- Step 9** Select **More**.
- Step 10** Enter the number of the signaling port on which the MCU communicates with the SIP proxy.
The default is 5060.
- Step 11** Select **Use proxy digest authentication** to enable MCU authentication with a SIP proxy server using user name and password.
Authentication is performed as defined in RFC 2617. This field is disabled by default.
- Step 12** Enter the MCU user name and password.
The user name and password must match the name and password defined on the SIP proxy server.
- Step 13** Select **Use registrar digest authentication** to enable MCU authentication with a SIP registrar using user name and password.

Authentication is performed as defined in RFC 2617. This field is disabled by default.

- Step 14** Select **Use 'Empty Invite' when sending Invite messages to endpoints** to enable the remote endpoint to indicate preferred audio and video channels.
 - Step 15** Select **Using Microsoft OCS** to enable the MCU to work with Microsoft Office Communications Server (OCS).
 - Step 16** Select **Apply**.
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