



## CHAPTER 13

# Cisco Unity Connection 9.x Telephony Integration Settings

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# Search Phone Systems

**Table 13-1**      *Search Phone Systems Page*

| Field           | Description   |
|-----------------|---|
| Delete Selected | To delete a phone system, check the check box to the left of the display name, and select Delete Selected. You can delete multiple phone systems at once. |
| Add New         | To add a phone system, select the Add New button. A new page opens, on which you enter data applicable to the new phone system.                           |
| Display Name    | <i>(Display only)</i> The name of the phone system.   |
| Port Count      | <i>(Display only)</i> The number of voice messaging ports that have been created in Cisco Unity Connection for use by the phone system.                   |

**See Also**

## New Phone System

**Table 13-2**      *New Phone Systems Page*

| Field             | Description                                    |
|-------------------|--|
| Phone System Name | Enter a descriptive name for the phone system. |

**See Also**

## Phone System Basics

**Table 13-3**      *Phone System Basics Page*

| Field   | Description   |
|---|---|
| Phone System Name                                   | Enter a descriptive name for the phone system.  |
| Default TRAP Phone System                           | <p>Check this check box when you want to use this phone system as the default for TRAP connections so that administrators and users without voicemail boxes can record and playback through the phone in Cisco Unity Connection web applications.</p> <p>Uncheck this check box when you want to use another phone system as the default for TRAP connections.</p> <p>Default setting: Check box not checked.</p> |
| Synchronize All User Templates on This Phone System | <i>(Cisco Unified Communications Manager Business Edition only)</i> Select Run to synchronize user templates so that they are all assigned to this phone system.  |

**Table 13-3**      **Phone System Basics Page (continued)**

| Field  | Description   |
|--|---|
| Send Message Counts  | <p>Check this check box so that Cisco Unity Connection sends the message count and requests to turn on a user MWI each time that a new voice message arrives, even though the MWI may already be on.</p> <p>Uncheck this check box so that Connection does not send the message count and requests to turn on the MWI when a new voice message arrives, if the MWI already appears to be on.</p> <p>Default setting: Check box not checked.</p>   |
| Use Same Port for Enabling and Disabling MWIs                        | <p>Check this check box so that requests to turn off an MWI use the same port that was used to turn it on.</p> <p>Uncheck this check box so that requests to turn off an MWI are not required to use the same port that was used to turn it on.</p> <p>Default setting: Check box not checked.</p>  |
| Force All MWIs Off for This Phone System                             | <p>Check this check box to turn off all MWIs for the phone system. When used before selecting the Synchronize All MWIs on This Phone System button, this check box is useful for resetting incorrect MWIs.</p> <p>Default setting: Check box not checked.</p>   |
| Synchronize All MWIs on This Phone System                            | Select Run to synchronize MWIs for all users who are assigned to this phone system.   |
| Enable for Supervised Transfers                                      | <p>Check this check box so that Cisco Unity Connection uses DTMF to detect and reject calls that have been transferred to another extension (by using supervised transfer) and that have been transferred back to Connection. If the call loop is not detected and rejected, Connection records a voice message that contains the prompt to leave a voice message.</p> <p>Default setting: Check box not checked.</p>   |
| Enable for Forwarded Message Notification Calls (by Using DTMF)      | <p>Check this check box so that Cisco Unity Connection uses DTMF to detect and reject new-message notifications that are sent to a device (such as a mobile phone) and that the device forwards back to Connection because the device did not answer. If the call loop is not detected and rejected, the call creates a new voice message for the user and triggers Connection to send a new-message notification call to the device.</p> <p>Default setting: Check box not checked.</p>      |
| DTMF Tone to Use   | <p>Select the fourth-column DTMF touchtone that is used to detect call loops.</p> <p>Default setting: A.</p>  |
| Guard Time   | <p>If call loop detection by using DTMF is enabled, enter the time, in milliseconds, that Cisco Unity Connection plays the DTMF tone for detecting a call loop.</p> <p>Default setting: 2,500 milliseconds.</p>   |
| Enable for Forwarded Message Notification Calls (by Using Extension) | <p>Check this check box so that Cisco Unity Connection uses the extension to detect and reject new-message notifications that are sent to a device (such as a mobile phone) and that the device forwards back to Connection because the device did not answer. If the call loop is not detected and rejected, the call creates a new voice message for the user and triggers Connection to send a new-message notification call to the device.</p> <p>Default setting: Check box checked.</p> |
| Enable Phone View  | <p>Check this check box to enable Phone View for the Cisco Unified Communications Manager phone system.</p> <p>Default setting: Check box not checked.</p>  |

**Table 13-3** Phone System Basics Page (continued)

| Field                                  | Description   |
|--|---|
| CTI Phone Access User Name             | When Phone View is enabled, enter the name of the application user that was created in Cisco Unified Communications Manager Administration and associated with user phones.   |
| CTI Phone Access Password              | When Phone View is enabled, enter the password for the application user that is associated with user phones.  |
| Enable Outgoing Calls                  | When this option is selected, Cisco Unity Connection places outgoing calls (for example, setting MWIs) as needed through the phone system.<br>Default setting: Option selected.   |
| Disable All Outgoing Calls Immediately | When this option is selected, Cisco Unity Connection does not place any outgoing calls (for example, setting MWIs). This option is useful when the phone system cannot respond to outgoing calls because of maintenance.<br>Default setting: Option not selected.   |
| Disable All Outgoing Calls Between     | When this option is selected, Cisco Unity Connection does not place any outgoing calls (for example, setting MWIs) between the times set in the Beginning Time field and the Ending Time field. This option is useful when the phone system cannot respond to outgoing calls because of scheduled maintenance.<br>Default setting: Option not selected. |

**See Also**

- The “Managing Phone Systems in Cisco Unity Connection 9.x” section in the “[Managing Phone System Integrations in Cisco Unity Connection 9.x](#)” chapter of the *System Administration Guide for Cisco Unity Connection Release 9.x*, available at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/administration/guide/9xcucsagx.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html).

## Edit AXL Servers

**Table 13-4** Edit AXL Servers Page

| Field           | Description  |
|-----------------|--|
| Delete Selected | To delete an AXL server, check the check box to the left of the display name, and select Delete Selected. You can delete multiple AXL servers at once. |
| Add New         | To add an AXL server, select the Add New button. A new page opens, on which you enter data applicable to the new AXL server.                           |
| Order           | Enter the order of priority for the AXL server. The lowest number is the primary AXL server; the higher numbers are the secondary servers.             |
| IP Address      | Enter the IP address (or host name) of the AXL server that Cisco Unity Connection connects to.   |
| Port            | Enter the AXL server port that Cisco Unity Connection connects to. This setting must match the port that the AXL server uses.                          |
| Username        | Enter the user name that Cisco Unity Connection uses to sign in to the AXL server.   |
| Password        | Enter the password that Cisco Unity Connection uses to sign in to the AXL server.  |

**Table 13-4**      *Edit AXL Servers Page (continued)*

| Field  | Description   |
|--|---|
| Cisco Unified Communications Manager Version | <p>Select the applicable setting that accurately describes the following:</p> <ul style="list-style-type: none"> <li>The version of Cisco Unified Communications Manager that you are integrating with Cisco Unity Connection.</li> <li>Whether the AXL port is enabled for SSL.</li> </ul> <p>If you select the non-SSL version, the AXL port must be a non-SSL port (typically port 80). If you select the SSL-enabled version, the AXL port must be an SSL-enabled port (typically port 443 or port 8443).</p> |

**See Also**

- The “Managing Phone Systems in Cisco Unity Connection 9.x” section in the “[Managing Phone System Integrations in Cisco Unity Connection 9.x](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html)” chapter of the *System Administration Guide for Cisco Unity Connection Release 9.x*, available at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/administration/guide/9xcucsagx.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html).

## Phone System Associations

**Table 13-5**      *Phone System Associations Page*

| Field               | Description  |
|---------------------|--|
| User Alias          | <i>(Display only)</i> The alias of the user that is associated with this phone system.                         |
| MWI                 | <i>(Display only)</i> The number of MWIs for this user that are turned on and off by this phone system.        |
| Notification Device | <i>(Display only)</i> The number of notification devices for this user that connect through this phone system. |

**See Also**

- The “Managing Phone Systems in Cisco Unity Connection 9.x” section in the “[Managing Phone System Integrations in Cisco Unity Connection 9.x](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html)” chapter of the *System Administration Guide for Cisco Unity Connection Release 9.x*, available at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/administration/guide/9xcucsagx.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html).

## Search Port Groups

**Table 13-6**      *Search Port Groups Page*

| Field           | Description   |
|-----------------|---|
| Delete Selected | To delete a port group, check the check box to the left of the display name, and select Delete Selected. You can delete multiple port groups at once. |
| Add New         | To add a port group, select the Add New button. A new page opens, on which you enter data applicable to the new port group.                           |

**Table 13-6** Search Port Groups Page (continued)

| Field                     | Description   |
|---------------------------|---|
| Port Group Name           | <i>(Display only)</i> The descriptive name for the port group. Select this name to view and edit the phone system settings.           |
| Phone System Display Name | <i>(Display only)</i> The phone system that uses the port group.  |
| Port Count                | <i>(Display only)</i> The number of voice messaging ports that have been created in Cisco Unity Connection for use by the port group. |
| Integration Method        | <i>(Display only)</i> The method of integration that is used to connect Cisco Unity Connection and the phone system.                  |
| Needs Reset               | <i>(Display only)</i> Indicates whether the port group needs to be reset to assure all functions.                                     |

**See Also**

## New Port Group

**Table 13-7** New Port Group Page

| Field                        | Description   |
|------------------------------|---|
| Phone System                 | Select the phone system that uses the port group.   |
| Create From                  | Select one of the following: <ul style="list-style-type: none"> <li>Port Group Type —Connection creates the new port group based on the type that is selected from the list. The new port group has default settings as specified in the port group type.</li> <li>Port Group—Connection creates the new port group from the existing port group that is selected from the list. The new port group has the current settings of the selected port group.</li> </ul> |
| Display Name                 | Enter a descriptive name for the port group.  |
| Device Name Prefix           | <i>(Cisco Unified CM SCCP integrations only)</i> Enter the prefix that Cisco Unified Communications Manager adds to the device name for voice ports. This prefix must match the prefix used by Cisco Unified CM.  |
| MWI On Extension             | <i>(Cisco Unified CM SCCP integrations only)</i> Enter the extension that you specified in Cisco Unified CM Administration for turning MWIs on.   |
| MWI Off Extension            | <i>(Cisco Unified CM SCCP integrations only)</i> Enter the extension that you specified in Cisco Unified CM Administration for turning MWIs off.  |
| Authenticate with SIP Server | <i>(SIP integrations only)</i> Check this check box so that Cisco Unity Connection authenticates with the SIP server.<br>Default setting: Check box not checked.  |
| Authentication Username      | <i>(SIP integrations only)</i> Enter the username that Cisco Unity Connection uses to authenticate with the SIP server.   |
| Authentication Password      | <i>(SIP integrations only)</i> Enter the password that Cisco Unity Connection uses to authenticate with the SIP server.   |
| Contact Line Name            | <i>(SIP integrations only)</i> Enter the voice messaging line name (or pilot number) that users use to contact Cisco Unity Connection and that Connection uses to register with the SIP server.   |

Table 13-7 New Port Group Page (continued)

| Field                     | Description   |
|---------------------------|---|
| SIP Security Profile      | <p>(<i>PIMG/TIMG and SIP integrations only</i>) Select the SIP security profile that Cisco Unity Connection uses.</p> <p>Default setting: 5060.</p>   |
| SIP Transport Protocol    | <p>(<i>PIMG/TIMG and SIP integrations only</i>) Select the SIP transport protocol that Cisco Unity Connection uses.</p> <p>Default setting: UDP.</p>  |
| Security Mode             | <p>(<i>SIP integrations only</i>) Select the applicable security mode that Cisco Unity Connection uses:</p> <ul style="list-style-type: none"> <li>Authenticated—The integrity of call-signaling messages is ensured because they are connected to Cisco Unified CM through an authenticated TLS port. However, the privacy of call-signaling messages are not ensured because they are sent as clear (unencrypted) text.</li> <li>Encrypted—The integrity and privacy of call-signaling messages are ensured on this port because they are connected to Cisco Unified CM through an authenticated TLS port, and the call-signaling messages are encrypted.</li> </ul> <p>Default setting: Authenticated.</p> |
| Secure RTP                | <p>(<i>SIP integrations only</i>) Check this check box so that the media stream (RTP) is encrypted.</p> <p><b>Note</b> Media stream encryption is supported only with Cisco Unified Communications Manager 5.x or later.</p> <p>Default setting: Check box not checked.</p>   |
| IPv4 Address or Host Name | <p>Enter the IPv4 address (or host name) of the phone system, SIP server, or PIMG/TIMG unit that the port group connects to.</p> <p>You must enter an IP address or host name in this field, or an IP address or host name in the IPv6 Address or Host Name field (or, if applicable, enter information in both fields). You cannot leave both fields blank.</p> <p><b>Note</b> If you will use Cisco Unified CM authentication and encryption with SCCP ports, enter an IP address or host name in this field. The CTL file used for encryption between Connection and Cisco Unified CM for SCCP ports requires an IPv4 address or host name, even if you are otherwise using IPv6 addressing.</p>           |
| IPv6 Address or Host Name | <p>Enter the IPv6 address (or host name) of the Cisco Unified Communications Manager server that the port group connects to.</p> <p>You must enter an IP address or host name in this field, or an IP address or host name in the IPv4 Address or Host Name field (or, if applicable, enter information in both fields). You cannot leave both fields blank.</p> <p><b>Note</b> This setting is applicable to Connection only. IPv6 is not supported in Cisco Unified Communications Manager Business Edition.</p> <p><b>Note</b> This setting is applicable to Cisco Unified Communications Manager integrations only. IPv6 is not supported with other phone system integrations.</p>                       |
| Port                      | <p>(<i>Cisco Unified CM SCCP integrations only</i>) Enter the TCP port of the primary Cisco Unified Communications Manager server that Cisco Unity Connection connects to. We recommend that you use the default setting.</p> <p>Default setting: 2000.</p>   |

**Table 13-7**      **New Port Group Page (continued)**

| Field    | Description   |
|----------|---|
| Port     | <p>(<i>PIMG/TIMG integrations only</i>) The SIP port on the PIMG/TIMG unit that Cisco Unity Connection connects to.</p> <p>When you configure more than one PIMG/TIMG unit (each PIMG/TIMG unit is in its own port group), increase this setting by 1 for each successive unit. For example, unit 2 will be 5061, unit 3 will be 5062, and so on.</p> <p>Default setting: 5060.</p> |
| Port     | <p>(<i>SIP integrations only</i>) The SIP port on the SIP server that Cisco Unity Connection connects to. We recommend that you use the default setting.</p> <p>Default setting: 5060.</p>  |
| TLS Port | <p>(<i>Cisco Unified CM SCCP integrations only</i>) Enter the TLS port of the Cisco Unified Communications Manager server that you are integrating with Cisco Unity Connection.</p> <p>Default setting: 2443.</p>   |

**Note**

The SCCP and SIP port groups support both the IPv4 and IPv6 addresses. However, the IPv6 address works only when Connection platform is configured in Dual (IPv4/IPv6) mode. The SIP to DMG/PIMG/TIMG port group supports IPv4 address only. For more information on Configuring IPv6 settings, see Adding or Changing the IPv6 Addresses of Cisco Unity Connection chapter of *Reconfiguration and Upgrade Guide for Cisco Unity Connection* guide at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/upgrade/guide/9xcucrug051.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/upgrade/guide/9xcucrug051.html).

**See Also**

## Port Group Basics

**Table 13-8**      **Port Group Basics Page**

| Field                     | Description  |
|---------------------------|--|
| Display Name              | Enter a descriptive name for the port group.   |
| Integration Method        | ( <i>Display only</i> ) The method of integration that is used to connect Cisco Unity Connection and the phone system.   |
| Device Name Prefix        | ( <i>Cisco Unified CM SCCP integrations only</i> ) Enter the prefix that Cisco Unified Communications Manager adds to the device name for voice ports. This prefix must match the prefix used by Cisco Unified CM. |
| Reset Status              | ( <i>Display only</i> ) Indicates whether the port group needs to be reset to assure all functions.  |
| <b>PIMG Settings</b>      |  |
| IPv4 Address or Host Name | ( <i>PIMG/TIMG integrations only</i> ) Enter the IP address (or host name) of the PIMG/TIMG unit that the port group connects to.  |



**Table 13-8** Port Group Basics Page (continued)

| Field   | Description  |
|---|--|
| Port  | <p>(PIMG/TIMG integrations only) The SIP port on the PIMG/TIMG unit that Cisco Unity Connection connects to.</p> <p>When you configure more than one PIMG/TIMG unit (each PIMG/TIMG unit is in its own port group), increase this setting by 1 for each successive unit. For example, unit 2 will be 5061, unit 3 will be 5062, and so on.</p> <p>Default setting: 5060.</p>   |
| <b>Session Initiation Protocol (SIP) Settings</b> |  |
| Register with SIP Server                          | <p>(SIP integrations only) Check this check box so that Cisco Unity Connection registers with the SIP server.</p>  |
| Authenticate with SIP Server                      | <p>(SIP integrations only) Check this check box so that Cisco Unity Connection authenticates with the SIP server.</p> <p>Default setting: Check box not checked.</p>   |
| Authentication Username                           | (SIP integrations only) Enter the user name that Cisco Unity Connection uses to authenticate with the SIP server.  |
| Authentication Password                           | (SIP integrations only) Enter the password that Cisco Unity Connection uses to authenticate with the SIP server.   |
| Contact Line Name                                 | (SIP integrations only) Enter the voice messaging line name (or pilot number) that users use to contact Cisco Unity Connection and that Connection uses to register with the SIP server.   |
| SIP Security Profile                              | <p>(PIMG/TIMG and SIP integrations only) Select the SIP security profile that Cisco Unity Connection uses.</p> <p>Default setting: 5060.</p>   |
| SIP Transport Protocol                            | <p>(PIMG/TIMG and SIP integrations only) Select the SIP transport protocol that Cisco Unity Connection uses.</p> <p>Default setting: UDP.</p>  |
| Security Mode                                     | <p>(SIP integrations only) Select the applicable security mode that Cisco Unity Connection uses:</p> <ul style="list-style-type: none"> <li>Authenticated—The integrity of call-signaling messages is ensured because they are connected to Cisco Unified CM through an authenticated TLS port. However, the privacy of call-signaling messages are not ensured because they are sent as clear (unencrypted) text.</li> <li>Encrypted—The integrity and privacy of call-signaling messages are ensured on this port because they are connected to Cisco Unified CM through an authenticated TLS port, and the call-signaling messages are encrypted.</li> </ul> <p>Default setting: Authenticated.</p> |
| Secure RTP  | <p>(SIP integrations only) Check this check box so that the media stream (RTP) is encrypted.</p> <p><b>Note</b> Media stream encryption is supported only with Cisco Unified Communications Manager 5.x or later.</p> <p>Default setting: Check box not checked.</p>   |
| <b>Advertised Codec Settings</b>                  |  |
| Change Advertising                                | (PIMG/TIMG and SIP integrations only) Select this button to manage the codecs (audio formatting) that Cisco Unity Connection advertises that it can use when dialing out.  |

**Table 13-8** Port Group Basics Page (continued)

| Field  | Description  |
|--|--|
| Display Name   | (PIMG/TIMG and SIP integrations only) The name of the codecs (audio formatting) that Cisco Unity Connection advertises that it can use when dialing out.   |
| Packet Size  | (PIMG/TIMG and SIP integrations only) Select the packet size, in milliseconds, that you want to use for this codec (audio formatting).<br>Default setting: 20 milliseconds.  |
| <b>Message Waiting Indicator Settings</b>                  |  |
| Enable Message Waiting Indicators                          | Check this check box so that voice messaging ports in the port group are enabled to turn message waiting indicators (MWIs) on and off. Only the voice messaging ports that have the Send MWI Requests check box checked turn MWIs on and off.<br><br>Uncheck this check box so that turning message waiting indicators (MWIs) on and off is disabled for all voice messaging ports in the port group. Even when voice messaging ports have the Send MWI Requests check box checked, they do not turn MWIs on and off.<br><br>Default setting: Check box checked. |
| MWI On Extension   | (Cisco Unified CM SCCP integrations only) Enter the extension that you specified in Cisco Unified CM Administration for turning MWIs on.   |
| MWI Off Extension  | (Cisco Unified CM SCCP integrations only) Enter the extension that you specified in Cisco Unified CM Administration for turning MWIs off.  |
| Delay Between Requests _____ Milliseconds                  | Enter the minimum length of wait time, in milliseconds, between subsequent MWI requests.<br>Default setting: 0 milliseconds.   |
| Maximum Concurrent Requests                                | Enter the maximum number of messaging waiting indicator (MWI) requests that are attempted at the same time so that a spike in MWI requests does not demand a large portion of Cisco Unity Connection resources.<br>Default setting: 0 requests.  |
| Retries After Successful Attempt                           | Enter the number of times an MWI request is retried after success is reported so that MWI success is assured.<br>Default setting: 0 retries.   |
| Retry Interval After Successful Attempt _____ Milliseconds | Enter the wait time, in milliseconds, between MWI retries that occur after success is reported.<br>Default setting: 5 milliseconds.  |

**Note**

The SCCP and SIP port groups support both the IPv4 and IPv6 addresses. However, the SIP to DMG/PIMG/TIMG port group supports IPv4 address only. For more information on Configuring IPv6 settings, see Adding or Changing the IPv6 Addresses of Cisco Unity Connection chapter of *Reconfiguration and Upgrade Guide for Cisco Unity Connection* guide at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/upgrade/guide/9xcucrug051.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/upgrade/guide/9xcucrug051.html).

**See Also**

- The “Managing Port Groups in Cisco Unity Connection 9.x” section in the “[Managing Phone System Integrations in Cisco Unity Connection 9.x](#)” chapter of the *System Administration Guide for Cisco Unity Connection Release 9.x*, available at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/administration/guide/9xcucsagx.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html).

## Edit Servers

**Table 13-9**      *Edit Servers Page*

| Field   | Description   |
|---|---|
| <b>Cisco Unified Communications Manager Servers</b> |   |
| Delete Selected                                     | To delete a server, check the check box to the left of the display name, and select Delete Selected. You can delete multiple servers at once.   |
| Add   | To add a server, select the Add button. A new row appears, in which you enter data applicable to the new server.  |
| Order   | Enter the order of priority for the Cisco Unified Communications Manager server that the port group connects to. The lowest number is the primary Cisco Unified CM server, the higher numbers are the secondary servers.  |
| IPv4 Address or Host Name                           | <p>Enter the IPv4 address (or host name) of the Cisco Unified Communications Manager server that the port group connects to.</p> <p>You must enter an IP address or host name in this field, or an IP address or host name in the IPv6 Address or Host Name field (or, if applicable, enter information in both fields). You cannot leave both fields blank.</p> <p><b>Note</b> If you will use Cisco Unified CM authentication and encryption with SCCP ports, enter an IP address or host name in this field. The CTL file used for encryption between Connection and Cisco Unified CM for SCCP ports requires an IPv4 address or host name, even if you are otherwise using IPv6 addressing.</p> |
| IPv6 Address or Host Name                           | <p>Enter the IPv6 address (or host name) of the Cisco Unified Communications Manager server that the port group connects to.</p> <p>You must enter an IP address or host name in this field, or an IP address or host name in the IPv4 Address or Host Name field (or, if applicable, enter information in both fields). You cannot leave both fields blank.</p> <p><b>Note</b> This setting is applicable to Connection only. IPv6 is not supported in Cisco Unified Communications Manager Business Edition.</p> <p><b>Note</b> This setting is applicable to Cisco Unified Communications Manager integrations only. IPv6 is not supported with other phone system integrations.</p>             |
| Port  | <p>Enter the TCP port of the Cisco Unified Communications Manager server that Cisco Unity Connection uses. We recommend that you use the default setting.</p> <p>Default setting: 2000.</p>   |
| TLS Port  | <p>Enter the TLS port of the Cisco Unified Communications Manager server. We recommend that you use the default setting.</p> <p>Default setting: 2443.</p>  |

**Table 13-9**      **Edit Servers Page (continued)**

| Field   | Description  |
|---|--|
| Server Type   | <p>Select the type of Cisco Unified Communications Manager server that Cisco Unity Connection is integrating with—Cisco Unified Communications Manager or Cisco Unified Communications Manager Express.</p> <p>Default setting: Cisco Unified Communications Manager.</p>  |
| Reconnect To a Higher-Order Cisco Unified Communications Manager When Available | <p>Check this check box so that Cisco Unity Connection reregisters ports in the port group to a server listed as higher priority in the Cisco Unified Communications Manager Servers table as soon as possible after an outage involving the higher-priority server. The connection between Cisco Unified CM and Connection is maintained by using a keep-alive that is sent on an interval specified by Cisco Unified CM. When this check box is checked, Connection will reconnect with a higher-priority Cisco Unified CM server as soon as the keep-alive indicates that the server is available.</p> <p>Uncheck this check box so that Cisco Unity Connection continues to connect to a lower-priority Cisco Unified CM server after an outage involving a higher-priority server, even when keep-alives indicate that the higher-priority server has become available again.</p> |
| <b>SIP Servers</b>  |  |
| Delete Selected   | To delete a SIP server, check the check box to the left of the display name, and select Delete Selected. You can delete multiple SIP servers at once.  |
| Add   | To add a server, select the Add button. A new row appears, in which you enter data applicable to the new server.   |
| Order   | Enter the order of priority for the SIP server that the port group connects to. The lowest number is the primary SIP server, the higher numbers are the secondary servers.   |
| IPv4 Address or Host Name   | <p>Enter the IPv4 address (or host name) of the SIP server that the port group connects to.</p> <p>You must enter an IP address or host name in this field, or an IP address or host name in the IPv6 Address or Host Name field (or, if applicable, enter information in both fields). You cannot leave both fields blank.</p>  |
| IPv6 Address or Host Name   | <p>Enter the IPv6 address (or host name) of the Cisco Unified Communications Manager server that the port group connects to.</p> <p>You must enter an IP address or host name in this field, or an IP address or host name in the IPv4 Address or Host Name field (or, if applicable, enter information in both fields). You cannot leave both fields blank.</p> <p><b>Note</b> This setting is applicable to Connection only. IPv6 is not supported in Cisco Unified Communications Manager Business Edition.</p> <p><b>Note</b> This setting is applicable to Cisco Unified Communications Manager integrations only. IPv6 is not supported with other phone system integrations.</p>  |
| Port  | <p>Enter the IP port number that Cisco Unity Connection uses to connect to the SIP server. We recommend that you use the default setting.</p> <p>Default setting: 5060.</p>  |
| TLS Port  | <p>Enter the TLS port of the SIP server.</p> <p>Default setting: 5061.</p>   |
| <b>TFTP Servers</b>   |  |
| Delete Selected   | To delete a TFTP server, check the check box to the left of the display name, and select Delete Selected. You can delete multiple TFTP servers at once.  |

**Table 13-9**      *Edit Servers Page (continued)*

| Field                       | Description   |
|-----------------------------|---|
| Add                         | To add a server, select the Add button. A new row appears, in which you enter data applicable to the new server.  |
| Order                       | Enter the order of priority for the TFTP server that the port group connects to. The lowest number is the primary TFTP server, the higher numbers are the secondary servers.  |
| IPv4 Address or Host Name   | <p>Enter the IPv4 address (or host name) of the TFTP server that the port group connects to.</p> <p>You must enter an IP address or host name in this field, or an IP address or host name in the IPv6 Address or Host Name field (or, if applicable, enter information in both fields). You cannot leave both fields blank.</p> <p><b>Note</b> If you will use Cisco Unified CM authentication and encryption with SCCP ports, enter an IP address or host name in this field. The CTL file used for encryption between Connection and Cisco Unified CM for SCCP ports requires an IPv4 address or host name, even if you are otherwise using IPv6 addressing.</p>   |
| IPv6 Address or Host Name   | <p>Enter the IPv6 address (or host name) of the TFTP server that the port group connects to.</p> <p>You must enter an IP address or host name in this field, or an IP address or host name in the IPv4 Address or Host Name field (or, if applicable, enter information in both fields). You cannot leave both fields blank.</p> <p><b>Note</b> This setting is applicable to Connection only. IPv6 is not supported in Cisco Unified Communications Manager Business Edition.</p> <p><b>Note</b> This setting is applicable to Cisco Unified Communications Manager integrations only. IPv6 is not supported with other phone system integrations.</p>   |
| <b>IPv6 Addressing Mode</b> |   |
| Preference for Signaling    | <p>This setting determines the call control signaling preference when registering with Cisco Unified Communications Manager via SCCP and when initiating SIP requests. This setting is applicable only when the IP Addressing Mode option on the System Settings &gt; General Configuration page is set to IPv4 and IPv6.</p> <p>Select the option from the list to control how Connection controls out-going traffic:</p> <ul style="list-style-type: none"> <li>• IPv4</li> <li>• IPv6</li> </ul> <p>Default Setting: IPv4</p> <p><b>Note</b> The settings on this page are applicable to Connection only. IPv6 is not supported in Cisco Unified Communications Manager Business Edition.</p> <p><b>Note</b> This setting is applicable to Cisco Unified CM integrations only. IPv6 is not supported with other phone system integrations.</p> |

**Table 13-9** Edit Servers Page (continued)

| Field                | Description   |
|----------------------|---|
| Preference for Media | <p>(SIP integrations only) This setting determines the preferred addressing mode for media events when communicating with dual-stack (IPv4 and IPv6) devices. This setting is applicable only when the IP Addressing Mode option on the System Settings &gt; General Configuration page is set to IPv4 and IPv6.</p> <p>Select the option from the list to control how Connection handles media traffic:</p> <ul style="list-style-type: none"> <li>• IPv4</li> <li>• IPv6</li> </ul> <p>Default Setting: IPv4</p> <p><b>Note</b> This setting applies to Connection only. IPv6 is not supported in Cisco Unified Communications Manager Business Edition.</p> <p><b>Note</b> This setting is applicable to Cisco Unified Communications Manager integrations only. IPv6 is not supported with other phone system integrations.</p> |

**Note**

The SCCP and SIP port groups support both the IPv4 and IPv6 addresses. However, the SIP to DMG/PIMG/TIMG port group supports IPv4 address only. For more information on Configuring IPv6 settings, see Adding or Changing the IPv6 Addresses of Cisco Unity Connection chapter of *Reconfiguration and Upgrade Guide for Cisco Unity Connection* guide at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/upgrade/guide/9xcucrug051.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/upgrade/guide/9xcucrug051.html).

**See Also**

- The “Managing Port Groups in Cisco Unity Connection 9.x” section in the “[Managing Phone System Integrations in Cisco Unity Connection 9.x](#)” chapter of the *System Administration Guide for Cisco Unity Connection Release 9.x*, available at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/administration/guide/9xcucsagx.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html).

## Edit Advanced Settings

**Table 13-10** Edit Advanced Settings Page

| Field                                      | Description   |
|--|---|
| Delay After Answer _____ Milliseconds      | <p>Enter the wait time, in milliseconds, after a call is connected to Cisco Unity Connection and before Connection plays a greeting.</p> <p>Default setting: 0 milliseconds.</p>                  |
| Outgoing Guard Time _____ Milliseconds     | <p>Enter the wait time, in milliseconds, that a voice messaging port must be inactive before Cisco Unity Connection uses it for an outgoing call.</p> <p>Default setting: 1,000 milliseconds.</p> |
| Outgoing Pre-Dial Delay _____ Milliseconds | <p>Enter the wait time, in milliseconds, before Cisco Unity Connection dials an outgoing call.</p> <p>Default setting: 0 milliseconds.</p>  |

**Table 13-10**      **Edit Advanced Settings Page (continued)**

| Field   | Description  |
|---|--|
| Outgoing Post-Dial Delay _____<br>Milliseconds  | Enter the wait time, in milliseconds, after Cisco Unity Connection dials an outgoing call.<br><br>Default setting: 0 milliseconds.   |
| DTMF Interdigit Delay _____<br>Milliseconds     | Enter the wait time, in milliseconds, after a caller dials a digit and before Cisco Unity Connection acts on the digits that it has received.<br><br>Default setting: 300 milliseconds.  |
| Recording DTMF Clip _____<br>Milliseconds       | Enter the amount of time, in milliseconds, to truncate at the end of a recording when a message is terminated with a DTMF touchtone.<br><br>Default setting: 170 milliseconds.   |
| Recording Tone Extra Clip _____<br>Milliseconds | Enter the amount of time, in milliseconds, to truncate at the end of a recording when a message is terminated by the caller hanging up, which may cause the phone system to provide a tone (such as a reorder tone).<br><br>Default setting: 250 milliseconds.   |
| Wait For Call Information _____<br>Milliseconds | <i>(PIMG/TIMG integrations only)</i> The time (in milliseconds) that Cisco Unity Connection waits to receive call information from a PIMG/TIMG unit before playing the greeting.<br><br>This setting applies to integrations through TIMG units or analog PIMG units only. The setting may vary depending on the phone system configuration.<br><br>Default setting: 0 milliseconds.   |
| Remote-Party-ID                                 | <i>(PIMG/TIMG and SIP integrations only)</i> Enter the text that appears on the phone when the pilot number for the voice messaging ports is dialed. For example, enter “Cisco Unity Connection voicemail.”  |
| Use DTMF KPML                                   | <i>(PIMG/TIMG and SIP integrations only)</i> Check this check box so that DTMF digits for call control are sent through SIP NOTIFY messages in compliance with RFC 4730.<br><br>Default setting: Check box checked.  |
| Use DTMF RFC 2833                               | <i>(PIMG/TIMG and SIP integrations only)</i> Check this check box so that DTMF digits for call control are sent through the RTP (audio) stream in compliance with RFC 2833.<br><br>Default setting: Check box checked.   |
| SIP MWI Requests                                | <i>(PIMG/TIMG integrations only)</i> Select one of the following: <ul style="list-style-type: none"> <li>Address to Specific PIMG/TIMG Port—When this option is selected, Cisco Unity Connection turns off an MWI by using the same port that was used to turn it on.</li> <li>Not Port Specific—When this option is selected, Cisco Unity Connection uses any available dial-out port to turn off an MWI.</li> </ul> Default setting: Address to Specific PIMG/TIMG Port. |
| Enable Audio Normalization                      | Check this check box so that Cisco Unity Connection automatically adjusts the recording volume of voice messages and user greetings to match the setting of the Target Decibel Level for Recordings and Messages field on the System Settings > General Configuration page.<br><br>Default setting: Check box checked.   |

**Table 13-10**      *Edit Advanced Settings Page (continued)*

| Field                  | Description   |
|------------------------|---|
| Enable Noise Reduction | Check this check box so that Cisco Unity Connection enables a noise-reduction filter to improve audio quality and voice-recognition accuracy in noisy environments. The filter is applied to all voice utterances entered by users of the voice-recognition conversation and to all audio that is recorded by Connection on calls to voice messaging ports in the port group. Uncheck the check box to disable the filter for all utterances and recorded audio on calls to voice messaging ports in the port group.<br><br>Default setting: Check box checked. |

**See Also**

## Edit Codec Advertising

**Table 13-11**      *Edit Codec Advertising Page*

| Field               | Description  |
|---------------------|--|
| Advertised Codecs   | Move to this list the codecs (audio formats) that Cisco Unity Connection advertises that it can use when dialing out. The phone system must transcode if it uses different codecs. |
| Unadvertised Codecs | Move to this list the codecs (audio formats) that Cisco Unity Connection does not advertise when dialing out.  |

**See Also**

- The “Managing Port Groups in Cisco Unity Connection 9.x” section in the “[Managing Phone System Integrations in Cisco Unity Connection 9.x](#)” chapter of the *System Administration Guide for Cisco Unity Connection Release 9.x*, available at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/administration/guide/9xcucsagx.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html).

## Search Ports

**Table 13-12**      *Search Ports Page*

| Field                     | Description   |
|---------------------------|---|
| Delete Selected           | To delete a port, check the check box to the left of the display name, and select Delete Selected. You can delete multiple ports at once.   |
| Add New                   | To add a port, select the Add New button. A new page opens, on which you enter data applicable to the new port.   |
| Display Name              | <i>(Display only)</i> The descriptive name for the voice messaging port. The name is created from the port group display name followed by a hyphen and sequence number of the voice messaging port. |
| Phone System Display Name | <i>(Display only)</i> The phone system that uses the port. Select this name to view and edit the phone system settings.   |
| Extension                 | <i>(Display only)</i> The extension of the voice messaging port, if applicable.   |




**Table 13-12** Search Ports Page (continued)

| Field                | Description  |
|----------------------|--|
| Server               | <i>(Display only)</i> The Cisco Unity Connection server (when a Connection cluster is configured) that handles this port.  |
| Enabled              | <i>(Display only)</i> When the column has an X, the port is enabled during normal operation.   |
| Answer Calls         | <i>(Display only)</i> When the column has an X, the port is designated for answering calls.  |
| Message Notification | <i>(Display only)</i> When the column has an X, the port is designated for notifying users of messages.  |
| Dialout MWI          | <i>(Display only)</i> When the column has an X, the port is designated for turning MWIs on and off.  |
| TRAP Connection      | <i>(Display only)</i> When the column has an X, the port enables users to use the phone as a recording and playback device in Cisco Unity Connection web applications and email clients. Typically, TRAP Connection is assigned to the least busy ports. |
| Security Mode        | <i>(Display only)</i> Indicates whether Cisco Unified Communications Manager authentication or encryption is enabled.  |

**See Also**

## New Port

**Table 13-13** New Port Page

| Field                           | Description   |
|---------------------------------|---|
| Enabled                         | <p>Check this check box so that the port is enabled during normal operation.</p> <p>Uncheck this check box to disable the port. When the port is disabled, calls to the port get a ringing tone but are not answered. Typically, the port is disabled only by the installer during testing.</p> <p>Default setting: Check box checked.</p>  |
| Number of Ports                 | <p>Enter the number of voice messaging ports that you want to add.</p> <p>Default setting: 1.</p>   |
| Beginning Extension for a Range | <p><i>(PIMG/TIMG integrations only)</i> Enter the extension of the first voice messaging port. If you are adding multiple ports, the first port will receive this extension number, the next port will receive the next extension in sequence, and so on.</p> <div>  <p><b>Caution</b> You must confirm that the extensions are not already assigned to another voice messaging port. Otherwise, the phone system integration may not function correctly.</p> </div> |
| Phone System                    | Select the phone system that the voice messaging port uses.   |
| Port Group                      | Select the port group that the voice messaging ports belong to.   |
| Server                          | <i>(Cisco Unified CM SCCP and SIP integrations only)</i> When a Cisco Unity Connection cluster is configured, select the name of the Connection server that handles the voice messaging port.   |

**Table 13-13**      **New Port Page (continued)**

| Field                        | Description   |
|------------------------------|---|
| Answer Calls                 | <p>Check this check box so that the port is designated for answering calls. These calls can be incoming calls from unidentified callers or from users.</p> <p>Uncheck this check box so that the port does not answer calls.</p> <p>Default setting: Check box checked.</p>   |
| Perform Message Notification | <p>Check this check box so that the port is designated for notifying users of messages. Assign Perform Message Notification to the least busy ports.</p> <p>Default setting: Check box checked.</p>   |
| Send MWI Requests            | <p><i>(Not used by serial integrations.)</i> Check this check box so that the port is designated for turning MWIs on and off. We recommend that you assign Send MWI Requests to the least busy ports.</p> <p>Note the following:</p> <ul style="list-style-type: none"> <li>• This check box is disabled for all ports in the port group if the Enable Message Waiting Indicators check box is not checked on the Port Group Basics page.</li> <li>• The Enable Message Waiting Indicators check box on the Port Group Basics page of the port group must be checked for the voice messaging port to turn MWIs on and off. If the Enable Message Waiting Indicators check box on the Port Group Basics page of the port group is not checked, the voice messaging port does not turn MWIs on or off.</li> </ul> <p>Uncheck this check box so that message waiting indicators (MWIs) are not set by voice messaging ports in the port group. When this check box is not checked, even when voice messaging ports are configured to send MWI requests, MWIs are not set.</p> <p>Default setting: Check box checked.</p> |
| Allow TRAP Connections       | <p>Check this check box so that users can use the phone as a recording and playback device in Cisco Unity Connection web applications and email clients. Assign Allow TRAP Connections to the least busy ports.</p> <p>Default setting: Check box checked.</p>  |
| Security Mode                | <p><i>(Cisco Unified CM SCCP integrations only)</i> Select the Cisco Unified Communications Manager security mode that you want to use for the voice messaging port.</p> <p>Default setting: Non-secure.</p>  |


**See Also**

## Port Basics

**Table 13-14**      **Port Basics Page**

| Field   | Description  |
|---------|--|
| Enabled | <p>Check this check box so that the port is enabled during normal operation.</p> <p>Uncheck this check box to disable the port. When the port is disabled, calls to the port get a ringing tone but are not answered. Typically, the port is disabled only by the installer during testing.</p> <p>Default setting: Check box checked.</p> |

**Table 13-14** Port Basics Page (continued)

| Field                        | Description   |
|------------------------------|---|
| Port Name                    | ( <i>Display only</i> ) The descriptive name for the voice messaging port. The name is created from the port group display name followed by a hyphen and sequence number of the voice messaging port.   |
| Restart                      | <p>Select this button to restart the voice messaging port.</p> <div>  <p><b>Caution</b> Restarting a voice messaging port terminates any call that is in progress on that port. In Cisco Unity Connection Serviceability, you can stop a port from taking new incoming calls on the Tools &gt; Cluster Management page.</p> </div>   |
| Phone System                 | ( <i>Display only</i> ) The display name for the phone system that uses the voice messaging port.   |
| Port Group                   | ( <i>Display only</i> ) The port group that the voice messaging ports belong to.  |
| Extension                    | ( <i>PIMG/TIMG integrations only</i> ) Enter the extension that the phone system uses to connect to the port.   |
| Server                       | ( <i>Cisco Unified CM SCCP and SIP integrations only</i> ) When a Cisco Unity Connection cluster is configured, select the name of the Connection server that handles the voice messaging port.   |
| Answer Calls                 | <p>Check this check box so that the port is designated for answering calls. These calls can be incoming calls from unidentified callers or from users.</p> <p>Uncheck this check box so that the port does not answer calls.</p> <p>Default setting: Check box checked.</p>   |
| Perform Message Notification | <p>Check this check box so that the port is designated for notifying users of messages. Assign Perform Message Notification to the least busy ports.</p> <p>Default setting: Check box checked.</p>   |
| Send MWI Requests            | <p>(<i>Not used by serial integrations.</i>) Check this check box so that the port is designated for turning MWIs on and off. We recommend that you assign Send MWI Requests to the least busy ports.</p> <p>Note the following:</p> <ul style="list-style-type: none"> <li>This check box is disabled for all ports in the port group if the Enable Message Waiting Indicators check box is not checked on the Port Group Basics page.</li> <li>The Enable Message Waiting Indicators check box on the Port Group Basics page of the port group must be checked for the voice messaging port to turn MWIs on and off. If the Enable Message Waiting Indicators check box on the Port Group Basics page of the port group is not checked, the voice messaging port does not turn MWIs on or off.</li> </ul> <p>Uncheck this check box so that message waiting indicators (MWIs) are not set by voice messaging ports in the port group. When this check box is not checked, even when voice messaging ports are configured to send MWI requests, MWIs are not set.</p> <p>Default setting: Check box checked.</p> |
| Allow TRAP Connections       | <p>Check this check box so that users can use the phone as a recording and playback device in Cisco Unity Connection web applications and email clients. Assign Allow TRAP Connections to the least busy ports.</p> <p>Default setting: Check box checked.</p>  |
| Outgoing Hunt Order          | <p>(<i>Cisco Unified CM SCCP and PIMG/TIMG integrations only</i>) Enter the order of priority that the port is used for outgoing calls, if applicable.</p> <p>When available ports have the same hunt order number, Cisco Unity Connection uses the port that has been idle the longest.</p>  |

**Table 13-14** Port Basics Page (continued)

| Field                     | Description  |
|---------------------------|--|
| Security Mode             | (Cisco Unified CM SCCP integrations only) Select the Cisco Unified Communications Manager security mode that you want to use for the voice messaging port.<br>Default setting: Non-secure. |
| SCCP (Skinny) Device Name | (Display only) The device name that Cisco Unified Communications Manager assigned to the voice messaging port. This device name may be helpful for troubleshooting.                        |
| View Certificate          | (Cisco Unified CM SCCP integrations only) Select this button to view the device certificate data for the voice messaging port.   |

**See Also**

- The “Managing Ports in Cisco Unity Connection 9.x” section in the “[Managing Phone System Integrations in Cisco Unity Connection 9.x](#)” chapter of the *System Administration Guide for Cisco Unity Connection Release 9.x*, available at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/administration/guide/9xcucsagx.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html).

## View Port Certificate

**Table 13-15** View Port Certificate Page


| Field            | Description   |
|------------------|---|
| Subject          | (Display only) The content of the Subject field for the port certificate.             |
| Issuer           | (Display only) The content of the Issuer field for the port certificate.              |
| Valid From       | (Display only) The date and time of beginning validity for the port certificate.      |
| Valid Until      | (Display only) The date and time of ending validity for the port certificate.         |
| Version          | (Display only) The version of the port certificate.                                   |
| Serial Number    | (Display only) The serial number of the port certificate.                             |
| Certificate Text | (Display only) The text content of the port certificate.                              |
| Private Key      | (Display only) The encrypted private key of the port certificate.                     |
| Generate New     | Select this button to generate a new port certificates for all voice messaging ports. |

**See Also**

- The “Managing Ports in Cisco Unity Connection 9.x” section in the “[Managing Phone System Integrations in Cisco Unity Connection 9.x](#)” chapter of the *System Administration Guide for Cisco Unity Connection Release 9.x*, available at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/administration/guide/9xcucsagx.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html).

# Speech Connect Port

**Table 13-16**      *Speech Connect Port Page*

| Field             | Description   |
|-------------------|---|
| Connection Server | Select the name of the Connection server on which you want to configure Speech Connect ports.   |
| Number of Ports   | Enter the number of Speech Connect ports that you want to configure.  |
|                   |    |
| <b>Note</b>       | Make sure that the number of ports that you specify in the <b>Number of Ports</b> field is less than or equal to the maximum number of voice ports. |

## Search Phone System Trunks

**Table 13-17**      *Search Phone System Trunks Page*

| Field                          | Description  |
|--------------------------------|--|
| Delete Selected                | To delete a phone system trunk, check the check box to the left of the display name, and select Delete Selected. You can delete multiple phone system trunks at once.                        |
| Add New                        | To add a phone system trunk, select the Add New button. A new page opens, on which you enter data applicable to the new phone system trunk.  |
| From Phone System Display Name | <i>(Display only)</i> The phone system from which calls are transferred when Cisco Unity Connection dials the trunk access code for sending calls to another phone system.                   |
| To Phone System Display Name   | <i>(Display only)</i> The phone system that the phone system trunk connects to when the trunk access code is dialed.   |
| Trunk Access Code              | <i>(Display only)</i> The number that Cisco Unity Connection dials to transfer a call from the phone system in the From Phone System field to the phone system in the To Phone System field. |

**See Also**

## New Phone System Trunk

**Table 13-18**      *New Phone System Trunk Page*

| Field             | Description   |
|-------------------|---|
| From Phone System | Select the phone system from which calls are transferred when Cisco Unity Connection dials the trunk access code for sending calls to another phone system.                             |
| To Phone System   | Select the phone system that the phone system trunk connects to when the trunk access code is dialed.   |
| Trunk Access Code | Enter the trunk access code that Cisco Unity Connection dials to transfer a call from the phone system in the From Phone System field to the phone system in the To Phone System field. |

**See Also**

- The “Managing Phone System Trunks in Cisco Unity Connection 9.x” section in the “[Managing Phone System Integrations in Cisco Unity Connection 9.x](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html)” chapter of the *System Administration Guide for Cisco Unity Connection Release 9.x*, available at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/administration/guide/9xcucsagx.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html).

## View Root Certificate

**Table 13-19**      **View Root Certificate Page**

| Field   | Description   |
|---|---|
| Subject                                       | (Display only) The content of the Subject field for the root certificate.   |
| Issuer  | (Display only) The content of the Issuer field for the root certificate.  |
| Valid From                                    | (Display only) The date and time of beginning validity for the root certificate.  |
| Valid Until                                   | (Display only) The date and time of ending validity for the root certificate.   |
| Version                                       | (Display only) The version of the root certificate.   |
| File Name                                     | (Display only) The file name of the root certificate.   |
| Serial Number                                 | (Display only) The serial number of the root certificate.   |
| Certificate Text                              | (Display only) The text content of the root certificate.  |
| Private Key                                   | (Display only) The encrypted private key of the root certificate.   |
| Right-Click to Save the Certificate as a File | Right-click this link and select Save Target As so that you can save the root certificate as a file at the location that you indicate.<br>Note that the file name must match the name indicated and that the extension must be 0 rather than htm. |
| Generate New                                  | Select this button to generate a new root certificate and new port certificates for all voice messaging ports.  |

**See Also**

- The “Security in Cisco Unity Connection 9.x (Cisco Unified Communications Manager Integrations Only)” section in the “[Managing Phone System Integrations in Cisco Unity Connection 9.x](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html)” chapter of the *System Administration Guide for Cisco Unity Connection Release 9.x*, available at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/administration/guide/9xcucsagx.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html).

## Search SIP Certificates

**Table 13-20**      **Search SIP Certificates Page**

| Field           | Description   |
|-----------------|---|
| Delete Selected | To delete a SIP certificate, check the check box to the left of the display name, and select Delete Selected. You can delete multiple SIP certificates at once. |

**Table 13-20** Search SIP Certificates Page (continued)


| Field        | Description  |
|--------------|--|
| Add New      | To add an SIP certificate, select the Add New button. A new page opens, on which you enter data applicable to the new SIP certificate.     |
| Display Name | (Display only) The name of the SIP certificate.  |
| Subject Name | (Display only) The subject name that matches the subject name of the SIP certificate for the SIP trunk in Cisco Unified CM Administration. |

**See Also**

- The “Security in Cisco Unity Connection 9.x (Cisco Unified Communications Manager Integrations Only)” section in the “[Managing Phone System Integrations in Cisco Unity Connection 9.x](#)” chapter of the *System Administration Guide for Cisco Unity Connection Release 9.x*, available at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/administration/guide/9xcucsagx.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html).

## New SIP Certificate

**Table 13-21** New SIP Certificate Page

| Field   | Description  |
|---|--|
| Display Name  | Enter a descriptive name for the SIP certificate.  |
| Subject Name  | Enter a subject name that matches the subject name of the SIP certificate for the SIP trunk in Cisco Unified CM Administration.  |
|  |  |
| <b>Caution</b>  | This subject name must match the subject name of the SIP certificate used by Cisco Unified Communications Manager. Otherwise, Cisco Unified CM authentication and encryption fail. |

**See Also**


- The “Security in Cisco Unity Connection 9.x (Cisco Unified Communications Manager Integrations Only)” section in the “[Managing Phone System Integrations in Cisco Unity Connection 9.x](#)” chapter of the *System Administration Guide for Cisco Unity Connection Release 9.x*, available at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/administration/guide/9xcucsagx.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html).

## Edit SIP Certificate

**Table 13-22** Edit SIP Certificate Page

| Field        | Description                                       |
|--------------|---|
| Display Name | Enter a descriptive name for the SIP certificate. |

**Table 13-22** Edit SIP Certificate Page (continued)

| Field            | Description   |
|------------------|---|
| Subject Name     | <p>Enter a subject name that matches the subject name of the SIP certificate for the SIP trunk in Cisco Unified CM Administration.</p> <p> <b>Caution</b> This subject name must match the subject name of the SIP certificate used by Cisco Unified Communications Manager. Otherwise, Cisco Unified CM authentication and encryption fail.</p> |
| Subject          | (Display only) The content of the Subject field for the SIP certificate.  |
| Issuer           | (Display only) The content of the Issuer field for the SIP certificate.   |
| Valid From       | (Display only) The date and time of beginning validity for the SIP certificate.   |
| Valid Until      | (Display only) The date and time of ending validity for the SIP certificate.  |
| Version          | (Display only) The version of the SIP certificate.  |
| Serial Number    | (Display only) The serial number of the SIP certificate.  |
| Certificate Text | (Display only) The text content of the SIP certificate.   |
| Private Key      | (Display only) The encrypted private key of the SIP certificate.  |
| Generate New     | Select this button to generate a new SIP certificate.   |

**See Also**

- The “Security in Cisco Unity Connection 9.x (Cisco Unified Communications Manager Integrations Only)” section in the “[Managing Phone System Integrations in Cisco Unity Connection 9.x](#)” chapter of the *System Administration Guide for Cisco Unity Connection Release 9.x*, available at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/administration/guide/9xcucsagx.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html).

## Search SIP Security Profiles

**Table 13-23** Search SIP Security Profiles Page

| Field           | Description   |
|-----------------|---|
| Delete Selected | To delete a SIP security profile, check the check box to the left of the display name, and select Delete Selected. You can delete multiple SIP security profiles at once. |
| Add New         | To add a SIP security profile, select the Add New button. A new page opens, on which you enter data applicable to the new SIP security profile.                           |
| Display Name    | (Display only) The name of the SIP security profile.  |


**See Also**

- The “Security in Cisco Unity Connection 9.x (Cisco Unified Communications Manager Integrations Only)” section in the “[Managing Phone System Integrations in Cisco Unity Connection 9.x](#)” chapter of the *System Administration Guide for Cisco Unity Connection Release 9.x*, available at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/administration/guide/9xcucsagx.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html).



# New SIP Security Profile

**Table 13-24**      *New SIP Security Profile Page*


| Field  | Description  |
|--------|--|
| Port   | <p>The port that the Cisco Unified Communications Manager server uses for SIP trunk authentication and encryption of the voice messaging ports.</p> <p><b>Note</b> You cannot use the same port for both TLS and non-TLS SIP security.</p>   |
| Do TLS | <p>Check this check box so that call signaling messages are encrypted when sent through the SIP trunk between Cisco Unity Connection and the Cisco Unified Communications Manager server.</p> <p>Uncheck this check box so that call signaling messages are not encrypted when sent through the SIP trunk between Connection and the Cisco Unified CM server.</p> <p> <b>Caution</b> When this check box is checked, the Cisco Unified CM server must also enable TLS. Otherwise, SIP security does not function correctly.</p> |

## See Also

- The “Security in Cisco Unity Connection 9.x (Cisco Unified Communications Manager Integrations Only)” section in the “[Managing Phone System Integrations in Cisco Unity Connection 9.x](#)” chapter of the *System Administration Guide for Cisco Unity Connection Release 9.x*, available at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/administration/guide/9xcucsagx.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html).

# Edit SIP Security Profile

**Table 13-25**      *Edit SIP Security Profile Page*

| Field  | Description  |
|--------|--|
| Port   | <p>The port that the Cisco Unified Communications Manager server uses for SIP trunk authentication and encryption of the voice messaging ports.</p> <p><b>Note</b> You cannot use the same port for both TLS and non-TLS SIP security.</p>   |
| Do TLS | <p>Check this check box so that call signaling messages are encrypted when sent through the SIP trunk between Cisco Unity Connection and the Cisco Unified Communications Manager server.</p> <p>Uncheck this check box so that call signaling messages are not encrypted when sent through the SIP trunk between Connection and the Cisco Unified CM server.</p> <p> <b>Caution</b> When this check box is checked, the Cisco Unified CM server must also enable TLS. Otherwise, SIP security does not function correctly.</p> |

**See Also**

- The “Security in Cisco Unity Connection 9.x (Cisco Unified Communications Manager Integrations Only)” section in the “[Managing Phone System Integrations in Cisco Unity Connection 9.x](#)” chapter of the *System Administration Guide for Cisco Unity Connection Release 9.x*, available at [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/connection/9x/administration/guide/9xcucsagx.html](http://www.cisco.com/en/US/docs/voice_ip_comm/connection/9x/administration/guide/9xcucsagx.html).