CHAPTER 15

Cisco Unity Connection SRSV Administration - Telephony Integration Settings Interface

See the following sections:

Search Phone Systems

The Search Phone Systems page displays the status with the total number of phone systems.

The search results, by default, return all phone systems. By default, the administrator can view 25 records per page and can select rows per page from the drop-down list, the max limit being 250 search results returned on one page. The administrator can perform custom search on the phone system display name field using the following options:

- Begins with
- Contains.
- Ends with
- Is Exactly
- Is Empty
- Is Not Empty

Table 15-1   Search Phone Systems Page

Field	Description
Display Name	*(Display only)* The name of the phone system.
	Select the Display Name to open the detail of a phone system.
Port Count	*(Display only)* The number of voice messaging ports that have been created in Unity Connection SRSV for use by the phone system.

Phone System Basics

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Table 15-2   Phone System Basics Page

Field	Description
Phone System Name	Enter a descriptive name for the phone system.
Send Message Counts	Check this check box so that 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.
	Uncheck this check box so that Unity Connection does not send the message count and requests to turn on the MWI when a new voice message arrives, if the MWI is already on.
	Default setting: Check box not checked.
Use Same Port for Enabling and Disabling MWIs	Check this check box so that requests to turn off an MWI use the same port that was used to turn it on. 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.
	Default setting: Check box not checked.
Force All MWIs Off for This Phone System	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.
	Default setting: Check box not checked.
Synchronize All MWIs on This Phone System	Select **Run** to synchronize MWIs for all users who are assigned to this phone system.

Table 15-2   Phone System Basics Page (continued)

Field	Description
Enable for Supervised Transfers	Check this check box so that Unity Connection SRSV uses DTMF to detect and reject calls that have been transferred to another extension (using supervised transfer) and that have been transferred back to Unity Connection SRSV. If the call loop is not detected and rejected, Unity Connection SRSV records a voice message that contains the prompt to leave a voice message.
	Default setting: Check box not checked.
Enable Outgoing Calls	When this option is selected, Unity Connection SRSV places outgoing calls (for example, setting MWIs) as needed through the phone system.
	Default setting: Option selected.
Disable All Outgoing Calls Immediately	When this option is selected, Cisco Unity Connection SRSV 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.
	Default setting: Option not selected.
Disable All Outgoing Calls Between	When this option is selected, Unity Connection SRSV 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.
	Default setting: Option not selected.

Search Port Groups

The Search Port Groups page displays the status with the total number of port groups.

The search results, by default, return all port groups. By default, the administrator can view 25 records per page and can select rows per page from the dropdown list, the max limit being 250 search results returned on one page. The administrator can perform custom search on the port group's display name field using the following options:

- Begins with
- Contains.
- Ends with
- Is Exactly
- Is Empty
- Is Not Empty

Table 15-3   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.
Port Group Name	The descriptive name for the port group. Select this name to view and edit the phone system settings.
	Select the **Port Group Name** to open the detail of a particular port group.

Table 15-3   Search Port Groups Page (continued)

Field	Description
Phone System Display Name	*(Display only)* The phone system that uses the port group.
Port Count	*(Display only)* The number of voice messaging ports that have been created in Unity Connection SRSV for use by the port group.
Integration Method	*(Display only)* The method of integration that is used to connect Unity Connection SRSV and the phone system.
Needs Reset	*(Display only)* Indicates whether the port group needs to be reset to assure all functions.

New Port Group

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Table 15-4   New Port Group Page

Field	Description
Phone System	Select the phone system that uses the port group.
Create From	Select one of the following: • **Port Group Type**—Unity Connection SRSV 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. • **Port Group**—Unity Connection SRSV 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.
Display Name	Enter a descriptive name for the port group.
Device Name Prefix (Cisco Unified CM Express SCCP integrations only)	Enter the prefix that Cisco Unified Communications Manager Express adds to the device name for voice ports. This prefix must match the prefix used by Cisco Unified CM Express. The maximum length of **Device Name Prefix** is upto 13 characters.
MWI On Extension Cisco Unified CM Express SCCP integrations only)	Enter the extension that you specified in Cisco Unified Communications Manager Express for turning MWIs on.
MWI Off Extension (Cisco Unified CM Express SCCP integrations only)	Enter the extension that you specified in Cisco Unified Communications Manager Express for turning MWIs off.
IPv4 Address or Host Name	Enter the IPv4 address (or host name) of the phone system, or SIP server that the port group connects to. 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. **Note** If you use Cisco Unified CM Express 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 Express for SCCP ports requires an IPv4 address or host name, even if you are otherwise using IPv6 addressing.

Table 15-4   New Port Group Page (continued)

Field	Description
IPv6 Address or Host Name	Enter the IPv6 address (or host name) of the Cisco Unified CM Express server that the port group connects to.
	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.
	Note This setting is applicable to Cisco Unified CM Express integrations only. IPv6 is not supported with other phone system integrations.
Port	*(Cisco Unified CM Express SCCP integrations only)* Enter the TCP port of the primary Cisco Unified CM Express server that Cisco Unity Connection connects to. We recommend that you use the default setting.
	Default setting: 2000.
TLS Port	*(Cisco Unified CM Express SCCP integrations only)* Enter the TLS port of the Cisco Unified CM Express server that you are integrating with Cisco Unity Connection.
	Default setting: 2443.

Port Group Basics

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Table 15-5   Port Group Basics Page

Field	Description
Display Name	Enter a descriptive name for the port group.
Integration Method	*(Display only)* The method of integration that is used to connect Cisco Unity Connection SRSV and the phone system.
Device Name Prefix	*(Cisco Unified CM Express SCCP integrations only)* Enter the prefix that Cisco Unified CM Express adds to the device name for voice ports. This prefix must match the prefix used by Cisco Unified CM Express.
Reset Status	*(Display only)* Indicates whether the port group needs to be reset to assure all functions.
Message Waiting Indicators	
Enable Message Waiting Indicators	Check this check box to turn on message waiting indicators (MWIs) on for all voice messaging ports in the port group. Only the voice messaging ports that have the **Send MWI Requests** check box checked turn MWIs on and off.
	Uncheck this check box to turn off message waiting indicators (MWIs) for all voice messaging ports in the port group. With this option unchecked, voice messaging ports do not turn MWIs on or off even if they have the Send MWI Requests check box checked.
	Default setting: Check box checked.
MWI On Extension (Cisco Unified CM Express SCCP integrations only)	Enter the extension that you specified in Cisco Unified CM Express for turning MWIs on.

Table 15-5   Port Group Basics Page (continued)

Field	Description
MWI Off Extension (Cisco Unified CM Express SCCP integrations only)	Enter the extension that you specified in Cisco Unified CM Express for turning MWIs off.
Delay Between Requests ____ Milliseconds	Enter the minimum length of wait time, in milliseconds, between subsequent MWI requests. 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 Unity Connection resources. 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. 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. Default setting: 5 milliseconds.

Edit Servers

Table 15-6   Edit Servers Page

Field	Description
Cisco Unified Communications Manager Servers	
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 CM Expressserver that the port group connects to. The lowest number is the primary Cisco Unified CM Express server, the higher numbers are the secondary servers.
IPv4 Address or Host Name	Enter the IPv4 address (or host name) of the Cisco Unified CM Express server that the port group connects to. 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. **Note** If you use Cisco Unified CM Express authentication and encryption with SCCP ports, enter an IP address or host name in this field. The CTL file used for encryption between Unity Connection SRSV and Cisco Unified CM for SCCP ports requires an IPv4 address or host name, even if you are otherwise using IPv6 addressing.

Table 15-6   Edit Servers Page (continued)

Field	Description
IPv6 Address or Host Name	Enter the IPv6 address (or host name) of the Cisco Unified CM Express server that the port group connects to.
	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.
	Note This setting is applicable to Cisco Unified CM Express integrations only. IPv6 is not supported with other phone system integrations.
Port	Enter the TCP port of the Cisco Unified CM Express server that Cisco Unity Connection SRSV uses. We recommend that you use the default setting.
	Default setting: 2000.
TLS Port	Enter the TLS port of the Cisco Unified CM Express server. We recommend that you use the default setting.
	Default setting: 2443.
Server Type	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. For Unity Connection SRSV, you must select Cisco Unified CM Express.
	Default setting: Cisco Unified Communications Manager.
Reconnect To a Higher-Order Cisco Unified Communications Manager When Available	Check this check box so that Cisco Unity Connection SRSV registers ports in the port group to a server listed as higher priority in the Cisco Unified CM Express Servers table as soon as possible after an outage involving the higher-priority server. The connection between Cisco Unified CM Express and Unity Connection is maintained using a keep-alive that is sent on an interval specified by Cisco Unified CM Express. When this check box is checked, Unity Connection reconnects with a higher-priority Cisco Unified CM Express server as soon as the keep-alive indicates that the server is available.
	Uncheck this check box so that Cisco Unity Connection SRSV continues to connect to a lower-priority Cisco Unified CM Express server after an outage involving a higher-priority server, even when keep-alives indicate that the higher-priority server has become available again.
TFTP Servers	
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.
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	Enter the IPv4 address (or host name) of the TFTP server that the port group connects to.
	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.
	Note If you use Cisco Unified CM Express authentication and encryption with SCCP ports, enter an IP address or host name in this field. The CTL file used for encryption between Unity Connection SRSV and Cisco Unified CM Express for SCCP ports requires an IPv4 address or host name, even if you are otherwise using IPv6 addressing.
IPv6 Addressing Mode	

Table 15-6   Edit Servers Page (continued)

Field	Description
Preference for Signaling	This setting determines the call control signaling preference when registering with Cisco Unified CM Express via SCCP and when initiating SIP requests. This setting is applicable only when the IP Addressing Mode option on the System Settings > General Configuration page in Cisco Unity Connection Administration is set to IPv4 and IPv6.
	Select the option from the list to control how Unity Connection controls out-going traffic:
	• IPv4
	Default Setting: IPv4
	Note This setting is applicable to Cisco Unified CM Express integrations only. IPv6 is not supported with other phone system integrations.

Edit Advanced Settings

Table 15-7   Edit Advanced Settings Page

Field	Description
Delay After Answer _____ Milliseconds	Enter the wait time, in milliseconds, after a call is connected to Unity Connection SRSV and before Unity Connection plays a greeting.
	Default setting: 0 milliseconds.
Outgoing Guard Time _____ Milliseconds	Enter the wait time, in milliseconds, that a voice messaging port must be inactive before Unity Connection SRSV uses it for an outgoing call.
	Default setting: 1,000 milliseconds.
Outgoing Pre-Dial Delay _____ Milliseconds	Enter the wait time, in milliseconds, before Unity Connection SRSV dials an outgoing call.
	Default setting: 0 milliseconds.
Outgoing Post-Dial Delay _____ Milliseconds	Enter the wait time, in milliseconds, after Unity Connection SRSV dials an outgoing call.
	Default setting: 0 milliseconds.
DTMF Interdigit Delay _____ Milliseconds	Enter the wait time, in milliseconds, after a caller dials a digit and before Unity Connection SRSV acts on the digits that it has received.
	Default setting: 300 milliseconds.
Recording DTMF Clip _____ 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.
	Default setting: 170 milliseconds.
Recording Tone Extra Clip _____ 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).
	Default setting: 250 milliseconds.

Table 15-7   Edit Advanced Settings Page (continued)

Field	Description
Enable Audio Normalization	Check this check box so that Unity Connection SRSV 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 in Cisco Unity Connection Administration. Default setting: Check box checked.
Enable Noise Reduction	Check this check box so that Unity Connection SRSV 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 Unity Connection SRSV 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. Default setting: Check box checked.

Edit Codec Advertising

Table 15-8   Edit Codec Advertising Page

Field	Description
Advertised Codecs	Move to this list the codecs (audio formats) that Unity Connection SRSV 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 Unity Connection SRSV does not advertise when dialing out.

Search Ports

The Search Ports page displays the status with the total number of ports.

The search results, by default, return all ports. By default, the administrator can view 25 records per page and can select rows per page from the dropdown list, the max limit being 250 search results returned on one page. The administrator can perform custom search on the port's display name field using the following options:

- Begins with
- Contains.
- Ends with
- Is Exactly
- Is Empty
- Is Not Empty

Table 15-9   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	*(Display only)* 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	*(Display only)* The phone system that uses the port. Select this name to view and edit the phone system settings.
Extension	*(Display only)* The extension of the voice messaging port, if applicable.
Server	*(Display only)* The Unity Connection SRSV server (when a Unity Connection cluster is configured) that handles this port.
Enabled	*(Display only)* When the column has an X, the port is enabled during normal operation.
Answer Calls	*(Display only)* When the column has an X, the port is designated for answering calls.
Message Notification	*(Display only)* When the column has an X, the port is designated for notifying users of messages.
Dialout MWI	*(Display only)* When the column has an X, the port is designated for turning MWIs on and off.
TRAP Connection	*(Display only)* When the column has an X, the port enables users to use the phone as a recording and playback device in Unity Connection web applications and email clients. Typically, TRAP Connection is assigned to the least busy ports.
Security Mode	*(Display only)* Indicates whether Cisco Unified CM Express authentication or encryption is enabled.

New Port

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Table 15-10   New Port Page

Field	Description
Enabled	Check this check box so that the port is enabled during normal operation.
	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.
	Default setting: Check box checked.
Number of Ports	Enter the number of voice messaging ports that you want to add.
	Default setting: 1.
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	*(*Unity Connection SRSV server that handles the voice messaging port.

Table 15-10   New Port Page (continued)

Field	Description
Answer Calls	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.
	Uncheck this check box so that the port does not answer calls.
	Default setting: Check box checked.
Allow TRAP Connections	Check this check box so that users can use the phone as a recording and playback device in Unity Connection web applications and email clients. Assign **Allow TRAP Connections** to the least busy ports.
	Default setting: Check box checked.
Send MWI Requests	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.
	Note the following:
	• 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.
	• 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.
	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.
	Default setting: Check box checked.
Security Mode	*(Cisco Unified CM Express SCCP integrations only)* Select the Cisco Unified CM Express security mode that you want to use for the voice messaging port.
	Default setting: Non-secure.

Port Basics

Revised March, 2014

Table 15-11   Port Basics Page

Field	Description
Enabled	Check this check box so that the port is enabled during normal operation.
	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.
	Default setting: Check box checked.
Port Name	*(Display only)* 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.

Table 15-11   Port Basics Page (continued)

Field	Description
Restart	Select this button to restart the voice messaging port. ⚠ **Caution** Restarting a voice messaging port terminates any call that is in progress on that port. In Cisco Unity Connection SRSV Serviceability, you can stop a port from taking new incoming calls on the Tools > Cluster Management page.
Phone System	*(Display only)* The display name for the phone system that uses the voice messaging port.
Port Group	*(Display only)* The port group that the voice messaging ports belong to.
Extension	*(*Enter the extension that the phone system uses to connect to the port.
Server	*(Cisco Unified CM Express SCCP and SIP integrations only)* Select the name of the Unity Connection SRSV server that handles the voice messaging port.
Answer Calls	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. Uncheck this check box so that the port does not answer calls. Default setting: Check box checked.
Send MWI Requests	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. Note the following: • 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. • 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. 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. Default setting: Check box checked.
Allow TRAP Connections	Check this check box so that users can use the phone as a recording and playback device in Unity Connection web applications and email clients. Assign **Allow TRAP Connections** to the least busy ports. Default setting: Check box checked.
Outgoing Hunt Order	Enter the order of priority that the port is used for outgoing calls, if applicable. When available ports have the same hunt order number, Unity Connection uses the port that has been idle the longest.
Security Mode	*(Cisco Unified CM Express SCCP integrations only)* Select the Cisco Unified CM Express security mode that you want to use for the voice messaging port. Default setting: Non-secure.
SCCP (Skinny) Device Name	*(Display only)* The device name that Cisco Unified CM Express assigned to the voice messaging port. This device name may be helpful for troubleshooting.

Table 15-11   Port Basics Page (continued)

Field	Description
View Certificate	*(Cisco Unified CM Express SCCP integrations only)* Select this button to view the device certificate data for the voice messaging port.

View Port Certificate

Table 15-12   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.

View Root Certificate

Table 15-13   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. 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.

Search SIP Certificates

The Search SIP Certificates page displays the status with the total number of SIP certificates.

The search results, by default, return all SIP certificates. By default, the administrator can view 25 records per page and can select rows per page from the dropdown list, the max limit being 250 search results returned on one page. The administrator can perform custom search on the certificate display name field using the following options:

- Begins with
- Contains.
- Ends with
- Is Exactly
- Is Empty
- Is Not Empty

Table 15-14   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.
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 Express.

New SIP Certificate

Table 15-15   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 Express. ⚠ **Caution** This subject name must match the subject name of the SIP certificate used by Cisco Unified CM Express. Otherwise, Cisco Unified CM Express authentication and encryption fail.

Edit SIP Certificate

Table 15-16   Edit 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 Express. ⚠ **Caution** This subject name must match the subject name of the SIP certificate used by Cisco Unified CM Express. Otherwise, Cisco Unified CM Express authentication and encryption fail.
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.

Search SIP Security Profiles

The Search Security Profiles page displays the status with the total number of security profiles.

The search results, by default, return all security profiles. By default, the administrator can view 25 records per page and can select rows per page from the dropdown list, the max limit being 250 search results returned on one page. The administrator can perform custom search on the security profile's display name field using the following options:

- Begins with
- Contains.
- Ends with
- Is Exactly
- Is Empty
- Is Not Empty

Table 15-17   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.

New SIP Security Profile

Table 15-18   New SIP Security Profile Page

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

Edit SIP Security Profile

Table 15-19   Edit SIP Security Profile Page

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

Edit SIP Security Profile