



CHAPTER 18

Configuring a Cisco Unified Mobility Advantage Security Profile

This chapter contains information on the following topics:

- [CUMA Server Security Profile Overview, page 18-1](#)
- [Finding a CUMA Server Security Profile, page 18-1](#)
- [Configuring a CUMA Server Security Profile, page 18-2](#)
- [CUMA Server Security Profile Configuration Settings, page 18-3](#)
- [Applying a CUMA Server Security Profile, page 18-4](#)
- [Deleting a CUMA Server Security Profile, page 18-4](#)
- [Where to Find More Information, page 18-5](#)

CUMA Server Security Profile Overview

Cisco Unified Communications Manager Administration groups security-related settings to allow you to assign a single security profile to multiple Cisco Unified Mobile Communicator (CUMC) clients. Security-related settings include device security mode, incoming transport type, and X.509 subject name. Configuring a Cisco Unified Mobility Advantage (CUMA) server security profile in Cisco Unified Communications Manager Administration automatically applies this profile to all configured CUMC clients on that Cisco Unified Communications Manager.

Only the security features that the CUMA server supports display in the security profile settings window.



Note

You cannot configure CUMA servers in Cisco Unified Communications Manager Administration. For information on setting up a security profile for a CUMA server, refer to your Cisco Unified Mobility Advantage documentation. Make sure that the CUMA Security Profile you configure on Cisco Unified Communications Manager matches the security profile on the CUMA servers. For information on configuring a Cisco Unity Mobility Advantage (CUMA) server security profile, see the *Cisco Unified Communications Manager Security Guide*.

Finding a CUMA Server Security Profile

To find a CUMA server security profile, perform the following procedure:

Procedure

- Step 1** In Cisco Unified Communications Manager Administration, choose **System > Security Profile > CUMA Server Security Profile**.

The Find and List CUMA Server Security Profile window displays. Records from an active (prior) query may also display in the window.

- Step 2** To find all records in the database, ensure the dialog box is empty; go to [Step 3](#).

To filter or search records

- From the first drop-down list box, choose a search parameter.
- From the second drop-down list box, choose a search pattern.
- Specify the appropriate search text, if applicable.



Note To add additional search criteria, click the + button. When you add criteria, the system searches for a record that matches all criteria that you specify. To remove criteria, click the – button to remove the last added criterion or click the **Clear Filter** button to remove all added search criteria.

- Step 3** Click **Find**.

All matching records display. You can change the number of items that display on each page by choosing a different value from the Rows per Page drop-down list box.

- Step 4** From the list of records that display, click the link for the record that you want to view.



Note To reverse the sort order, click the up or down arrow, if available, in the list header.

The window displays the item that you choose.

Additional Information

See the [“Related Topics” section on page 18-5](#).

Configuring a CUMA Server Security Profile

To add, update, or copy a security profile, perform the following procedure:

Procedure

- Step 1** In Cisco Unified Communications Manager Administration, choose **System > Security Profile > CUMA Server Security Profile**.

- Step 2** Perform one of the following tasks:

- To add a new profile, click **Add New** in the Find window and continue with [Step 3](#).
- To copy an existing security profile, locate the appropriate profile as described in [“Finding a CUMA Server Security Profile” section on page 18-1](#), click the **Copy** button next to the security profile that you want to copy, and continue with [Step 3](#).

- To update an existing profile, locate the appropriate security profile as described in [“Finding a CUMA Server Security Profile” section on page 18-1](#) and continue with [Step 3](#).

When you click **Add New**, the configuration window displays with the default settings for each field. When you click **Copy**, the configuration window displays with the copied settings.

Step 3 Enter the appropriate settings as described in [Table 18-1](#)

Step 4 Click **Save**.

Additional Information

See the [“Related Topics” section on page 18-5](#).

CUMA Server Security Profile Configuration Settings

[Table 18-1](#) describes the settings for the CUMA Server security profiles.

- For configuration tips, see the [“Finding a CUMA Server Security Profile” section on page 18-1](#).
- For related information and procedures, see the [“Related Topics” section on page 18-5](#).

Table 18-1 CUMA Server Security Profile

Setting	Description
Name	Enter a name for the security profile. Tip Include the device model in the security profile name to help you find the correct profile when you are searching for or updating a profile.
Description	Enter a description for the security profile.
Device Security Mode	From the drop-down list box, choose one of the following options: Non Secure—No security features except image authentication exist for the CUMA server. A TCP connection opens to Cisco Unified Communications Manager. Authenticated—Cisco Unified Communications Manager provides integrity and authentication for the CUMA server. A TLS connection that uses NULL/SHA opens for signaling. Encrypted—Cisco Unified Communications Manager provides integrity, authentication, and encryption for the CUMA server. A TLS connection that uses AES128/SHA opens for signaling, and SRTP carries the media for all mobile calls.

Table 18-1 CUMA Server Security Profile (continued)

Setting	Description
Transport Type	When Device Security Mode is Non Secure, choose the following option from the drop-down list box: TCP—Choose the Transmission Control Protocol to ensure that packets get received in the same order as the order in which they are sent. This protocol ensures that no packets get dropped, but the protocol does not provide any security. When Device Security Mode is Authenticated or Encrypted, TLS specifies the Transport Type. TLS provides signaling integrity, device authentication, and signaling encryption (encrypted mode only).
X.509 Subject Name	(Required for Authenticated or Encrypted Device Security Mode setting.) This field applies if you configured TLS as the transport type. X.509 is an ITU Telecommunication Standardization Sector standard for Public Key Infrastructure in cryptography. The subject name corresponds to the source connection TLS certificate. If multiple X.509 subject names exist, enter one of the following characters to separate the names: space, comma, semicolon, or a colon. You can enter up to 4096 characters in this field.

Applying a CUMA Server Security Profile

No “Device Security Profile” field exists on the device configuration window for a CUMC client, which means that you do not have to manually apply the CUMA Server Security profile to a client.

Configuring a Cisco Unified Mobility Advantage (CUMA) server security profile in Cisco Unified Communications Manager Administration automatically applies this profile to all configured CUMC clients on that Cisco Unified Communications Manager.

Additional Information

See the [“Related Topics” section on page 18-5](#).

Deleting a CUMA Server Security Profile

This section describes how to delete a CUMA server security profile from the Cisco Unified Communications Manager database.

Procedure

- Step 1** Find the security profile by using the procedure in the [“Finding a CUMA Server Security Profile” section on page 18-1](#).
- Step 2** To delete a security profile, perform the following task:
 - In the Find and List window, check the check box next to the appropriate security profile; then, click **Delete Selected**.

- Step 3** When prompted to confirm the delete operation, click **OK** to delete or **Cancel** to cancel the delete operation.
-

Additional Information

See the [“Related Topics”](#) section on page 18-5.

Where to Find More Information

Related Topics

- [CUMA Server Security Profile Overview, page 18-1](#)
- [Finding a CUMA Server Security Profile, page 18-1](#)
- [Finding a CUMA Server Security Profile, page 18-1](#)
- [Configuring a CUMA Server Security Profile, page 18-2](#)
- [CUMA Server Security Profile Configuration Settings, page 18-3](#)
- [Applying a CUMA Server Security Profile, page 18-4](#)
- [Deleting a CUMA Server Security Profile, page 18-4](#)

