



## Configuring Users and Groups

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All configuration and administration functions for Cisco Unified SIP Proxy are available through the graphical user interface (GUI). However, you may find using the command-line interface (CLI) is more efficient than using the GUI. For example, you may want to create a script to configure a large number of users for a specific system. In this case, the CLI can be more efficient.

This chapter describes the commands for the following tasks and contains the following sections:

- [Adding and Modifying a User, page 1](#)
- [Adding and Modifying a Group, page 5](#)

## Adding and Modifying a User

Users, or users, configured in Cisco Unified Communications Manager can be imported to the Cisco Unified SIP Proxy database.

The procedure described in this section allows you to create a new user in the system. Use the same procedures to modify an existing user's properties.

The maximum number of users is determined by the license of the module.



### Note

Ensure not to use reserved keywords or any name that may conflict with the regular users or process names in Linux (root, bin, daemon, adm, lp, sync, shutdown, halt, mail, operator, games, and so on.) while creating the users.

## Required Data for This Procedure

The following information is required for adding or modifying a user:

- Username—The user ID. The username must be at least 3 and no more than 32 characters. Cisco Unified SIP Proxy allows only letters, numbers, underscore (\_), dot (.), and dash (-) in user IDs. User IDs must start with a letter. Do not use spaces in the username.
- (Optional) Full name—First and last name of the user. It must start and end with quotation marks ("").
- (Optional) Group—Name of an existing group in which this user is a member.

- (Optional) Password—Password for logging into the Cisco Unified SIP Proxy GUI. The password must include a minimum length ranging from 8 through 64 characters. There is no limit on the maximum number of characters. Spaces are not allowed. A valid password should have at least one uppercase letter, one lowercase letter, one number, and a symbol.
- (Optional) PIN—No PIN is required for vCUSP users.

## SUMMARY STEPS

EXEC mode:

1. **username** *userid* [**create** | **delete** | **fullname** [**first** “*first-name*” | **last** “*last-name*” | **display** “*full-name*”] | **group** *group-name* | **language** “*language*” | **password** “*password*” | **pin** *number*]
2. **show users**  
or  
**show user detail** **username** *userid*
3. **copy running-config startup-config**

Configuration mode:

1. **config t**
2. **username** *userid* [**create** | **phonenumber** *phone-number* | **phonenumberE164** *full-number*]
3. **exit**
4. **show users**  
or  
**show user detail** **username** *userid*
5. **copy running-config startup-config**

## DETAILED STEPS

## EXEC mode:

	Command or Action	Purpose
Step 1	<p><b>username</b> <i>userid</i> [<b>create</b>   <b>delete</b>   <b>fullname</b> [<b>first</b> "first-name"   <b>last</b> "last-name"   <b>display</b> "full-name"]   <b>group</b> group-name   <b>language</b> "language"   <b>password</b> "password"   <b>pin</b> number]</p> <p><b>Example:</b></p> <pre>se-10-0-0-0# username user1 create se-10-0-0-0# username user2 fullname display "User 2" se-10-0-0-0# username user2 group sales se-10-0-0-0# username user2 password "Green123!" se-10-0-0-0# username user2 pin 4444 se-10-0-0-0# username user2 delete</pre>	<p>Creates the user with the specified user ID. The optional parameters configure more information for the user:</p> <ul style="list-style-type: none"> <li>• <b>userid</b>—User ID of the user. The user ID must be at least 2 and no more than 31 characters. Cisco Unified SIP Proxy allows only letters, numbers, underscore (_), dot (.), and dash (-) in user IDs. Do not use spaces in the username. User IDs must start with a letter.</li> <li>• <b>create</b>—Creates the user with no other information.</li> <li>• <b>delete</b>—Deletes an existing user.</li> <li>• <b>fullname</b>—Specifies a full name for this user. This full name appears on telephone displays.</li> <li>• <b>group</b>—Associates this user with an existing group.</li> <li>• <b>language</b>—Specifies the default language used for the specified user. See the <a href="#">Release Notes for Cisco Unified SIP Proxy</a> for a list of available languages.</li> <li>• <b>password</b>—Specifies a password for this user. The <i>password</i> value must be entered within quotation marks (" "). Spaces are not allowed. Acceptable password characters are lowercase letters a to z, uppercase letters A to Z, digits 0 to 9, and the following symbols: - , . + = _ ! @ # \$ ^ * ( ) ? / ~ &lt; &gt; &amp; %.</li> <li>• <b>pin</b>—Specifies a personal identification number (PIN) for this user. The user enters this number from the telephone when accessing the voice-mail system. The PIN can contain a maximum number of 16 digits. The asterisk (*) and pound sign (#) cannot be used.</li> </ul>

	Command or Action	Purpose
Step 2	<b>show users</b>	Displays a list of user IDs for all users configured on the system.
	or <b>show user detail username <i>userid</i></b>	or Displays the detailed information configured for the specified user.
	<b>Example:</b> se-10-0-0-0# <b>show user detail username user2</b>	
Step 3	<b>copy running-config startup-config</b>	Copies the configuration changes to the startup configuration.
	<b>Example:</b> se-10-0-0-0# <b>copy running-config startup-config</b>	

## Examples

The following output illustrates the **show users** and **show user detail username** commands:

```
se-10-0-0-0# show users
user1
user2

se-10-0-0-0# show user detail username user2
Full Name:      User 2
First Name:
Last Name:      user2
Nickname:       user2
Phone:
Phone(E.164):
Language:       en_ENU
se-10-0-0-0#
```

**Configuration mode:**

	Command or Action	Purpose
Step 1	<b>config t</b>	Enters configuration mode.
	<b>Example:</b> se-10-0-0-0# <b>config t</b>	
Step 2	<b>username <i>userid</i> [create   phonenumber <i>phone-number</i>   phonenumberE164 <i>full-number</i>]</b>	Creates the user with the specified user ID. The optional parameters configure more information for the user: <ul style="list-style-type: none"> <li><b>userid</b>—User ID of the user. The user ID must be at least 2 and no more than 31 characters. Cisco Unified SIP Proxy allows only letters, numbers, underscore (_), dot (.), and dash (-) in user IDs. Do not use spaces in the username. User IDs must start with a letter.</li> <li><b>create</b>—Creates the user with no other information.</li> <li><b>password</b>—Specifies a password for this user.</li> </ul>
	<b>Example:</b> se-10-0-0-0(config)# <b>username user3 create</b> se-10-0-0-0(config)# <b>username user3 password</b> <b>Usr@50180</b>	

	Command or Action	Purpose
Step 3	<b>exit</b>  <b>Example:</b> se-10-0-0-0(config)# exit	Exits configuration mode.
Step 4	<b>show users</b>  or <b>show user detail username userid</b>  <b>Example:</b> se-10-0-0-0# show user detail username user2	Displays a list of user IDs for all users configured on the system.  or Displays the detailed information configured for the specified user.
Step 5	<b>copy running-config startup-config</b>  <b>Example:</b> se-10-0-0-0# copy running-config startup-config	Copies the configuration changes to the startup configuration.

## Examples

The following example illustrates configuring a user and the output from the **show** commands:

```
se-10-0-0-0(config)# username user3 create
se-10-0-0-0(config)# username user3 password User@5521
se-10-0-0-0(config)# exit
se-10-0-0-0# show users
user1
user2
user3
se-10-0-0-0# show user detail username user3
Full Name:          User 3
First Name:
Last Name:          user3
Nickname:           user3
Password:           *****
Language:           en_ENU
```

## Adding and Modifying a Group

A group is a collection of users, usually with a common function or purpose, such as sales, main office, customer service, or technicians. A group has the following characteristics:

- Members of the group can be individual users or other groups.
- The group is assigned an extension.
- A group can have zero or more users as owners. An owner of a group can add and delete members. Additionally, an owner can add and delete other owners to the group.
- Members can belong to more than one group.
- Members can be added to the group using the configuration mode **groupname** command or using the EXEC mode **username** command. See [“Adding and Modifying a User” on page 1](#) for details about the **username** command.

**Note**

Users must exist before being added to a group. See [“Adding and Modifying a User” on page 1](#) to configure the user’s detailed information.

The following procedure allows you to create a new group in the system.

## Required Data for This Procedure

The following information is required to define a group:

- EXEC mode:
  - Name of group
  - (Optional) Description of group
  - (Optional) Full name of group
- Configuration mode:
  - Name of group
  - (Optional) One or more existing user or group IDs to be added as members
  - (Optional) One or more existing user IDs to be added as owners
  - (Optional) Extension or telephone number of the group
  - (Optional) Full E.164 telephone number of the group

### SUMMARY STEPS

EXEC mode:

1. **groupname** *userid* [**create** | **delete** | **description** "*description*" | **fullname** "*full-name*"]
2. **show groups**  
or  
**show group detail** *groupname* *groupid*
3. **copy running-config startup-config**

Configuration mode:

1. **config t**
2. **groupname** *groupid* [**member** *username* | **owner** *ownername* | **phonenumber** *phone-number* | **phonenumberE164** *full-number* ]
3. **exit**
4. **show groups**  
or  
**show group detail** *groupname* *groupid*
5. **copy running-config startup-config**

## DETAILED STEPS

EXEC mode:

	Command or Action	Purpose
Step 1	<p><b>groupname</b> <i>groupid</i> [<b>create</b>   <b>delete</b>   <b>description</b> "<i>description</i>"   <b>fullname</b> "<i>full-name</i>"]</p> <p><b>Example:</b>  se-10-0-0-0# <b>groupname sales fullname "Sales Department"</b>  se-10-0-0-0# <b>groupname sales description "Retail Sales Department"</b>  se-10-0-0-0# <b>groupname sales delete</b></p>	<p>Creates the group with the <i>groupid</i> value. The optional parameters configure more information for the group:</p> <ul style="list-style-type: none"> <li>• <b>create</b>—Creates the group with no other information.</li> <li>• <b>delete</b>—Deletes an existing group.</li> <li>• <b>description</b>—Specifies a description of the group.</li> <li>• <b>fullname</b>—Specifies a long name for the group.</li> </ul>
Step 2	<p><b>show groups</b></p> <p>or</p> <p><b>show group detail</b> <i>groupname</i> <i>groupid</i></p> <p><b>Example:</b>  se-10-0-0-0# <b>show group detail groupname sales</b></p>	<p>Displays a list of group IDs for all configured groups. This command does not display the details for the groups.</p> <p>or</p> <p>Displays the detailed configuration information for the group <i>groupid</i> value.</p>
Step 3	<p><b>copy running-config startup-config</b></p> <p><b>Example:</b>  se-10-0-0-0# <b>copy running-config startup-config</b></p>	<p>Copies the configuration changes to the startup configuration.</p>

## Examples

The following example creates a group and displays the output of the **show** commands:

```

se-10-0-0-0# groupname sales fullname "Sales Department"
se-10-0-0-0# groupname sales description "CA office"

se-10-0-0-0# show groups
Administrators
sales

se-10-0-0-0# show group detail groupname sales
Full Name:      Sales Department
Description:    CA office
Phone:
Phone(E.164):
Language:      en_ENU
Owners:
Members:
se-10-0-0-0#

```

## Configuration mode:

	Command or Action	Purpose
Step 1	<b>config t</b>  <b>Example:</b> se-10-0-0-0# config t	Enters configuration mode.
Step 2	<b>groupname groupid [member username   owner ownername   phonenumber phone-number   phonenumberE164 full-number]</b>  <b>Example:</b> se-10-0-0-0(config)# groupname sales member user1 se-10-0-0-0(config)# groupname sales owner user2 se-10-0-0-0(config)# groupname sales phonenumber 50163 se-10-0-0-0(config)# groupname sales phonenumberE164 14445550163	Creates the group with the <i>groupid</i> value. The optional parameters configure more information for the user: <ul style="list-style-type: none"> <li>• <b>member</b>—Associates an existing user as a member of this group. Repeat this command to assign multiple users to the group.</li> <li>• <b>owner</b>—Specifies the owner of the group. The owner is not considered a member. If the owner is to have access to the group's voice mailbox, also assign the owner as a member.</li> <li>• <b>phonenumber</b>—Associates a number or extension with this group. No spaces or dashes are allowed.</li> <li>• <b>phonenumberE164</b>—Associates a telephone number and area code with this group. No spaces or dashes are allowed.</li> </ul>
Step 3	<b>exit</b>  <b>Example:</b> se-10-0-0-0(config)# exit	Exits configuration mode.
Step 4	<b>show groups</b>  or <b>show group detail groupname groupid</b>  <b>Example:</b> se-10-0-0-0# show group detail groupname sales	Displays a list of group IDs for all configured groups. This command does not display the details for the groups.  Displays the detailed configuration information for the group <i>groupid</i> value.
Step 5	<b>copy running-config startup-config</b>  <b>Example:</b> se-10-0-0-0# copy running-config startup-config	Copies the configuration changes to the startup configuration.

## Examples

The following example adds an owner and two members to the group sales and assigns sales a phone number:

```
se-10-0-0-0# config t
se-10-0-0-0(config)# groupname sales member user1
se-10-0-0-0(config)# groupname sales member user2
se-10-0-0-0(config)# groupname sales owner user1
```



```
se-10-0-0-0(config)# groupname sales phonenumber 50163
se-10-0-0-0(config)# groupname sales phonenumberE164 12225550163
sse-10-0-0-0(config)# exit

se-10-0-0-0# show groups
Administrators
sales

se-10-0-0-0# show group detail groupname sales
Full Name:      Sales Department
Description:    CA office
Phone:         50163
Phone(E.164):   12225550163
Language:      en_ENU
Owners:        user1
Members:       user1 user2
se-10-0-0-0#
```

