



LDAP Directory Configuration

Directory configuration takes place in three related windows:

- LDAP System
- LDAP Directory
- LDAP Authentication

Changes to LDAP Directory information and LDAP Authentication settings are possible only if synchronization from the customer's LDAP directory is enabled in the Cisco Unified CallManager Administration LDAP System window.

Use the following topics to configure LDAP directory information:

- [Finding an LDAP Directory, page 13-1](#)
- [Configuring an LDAP Directory, page 13-2](#)
- [Related Topics, page 13-6](#)
- [Deleting an LDAP Directory, page 13-5](#)

For more information, see the “[Related Topics](#)” section on [page 13-6](#).

Finding an LDAP Directory

Use the following procedure to locate LDAP directory configurations.



Note

During your work in a browser session, Cisco Unified CallManager Administration retains your LDAP directory search preferences. If you navigate to other menu items and return to this menu item, Cisco Unified CallManager Administration retains your LDAP directory search preferences until you modify your search or close the browser.

Procedure

Step 1 Choose **System > LDAP > LDAP Directory**.

The Find and List LDAP Directories window displays. Use the two drop-down list boxes to search for a LDAP directory.

Step 2 From the first Find LDAP Directory where drop-down list box, choose one of the following criteria:

- LDAP Configuration Name
- LDAP Manager Distinguished Name
- LDAP User Search Base

From the second Find LDAP Directory where drop-down list box, choose one of the following criteria:

- begins with
- contains
- is exactly
- ends with
- is empty
- is not empty

Step 3 Specify the appropriate search text, if applicable, and click **Find**. You can also specify how many items per page to display.



Tip To find all LDAP directories that are registered in the database, click **Find** without entering any search text.

A list of discovered LDAP directories displays by

- LDAP Configuration Name
- LDAP Manager Distinguished Name
- LDAP User Search Base

Step 4 From the list of records, click the LDAP directory name that matches your search criteria.

The window displays the LDAP directory that you choose.

Additional Information

See the [“Related Topics” section on page 13-6](#).

Configuring an LDAP Directory

This section describes how to add or update information about an LDAP directory that is used to synchronize user data with the Cisco Unified CallManager Administration database.

Procedure

Step 1 Choose **System > LDAP > LDAP Directory**.

The Find and List LDAP Directories window displays.

Step 2 Perform one of the following tasks:

- To add new information about an LDAP directory, locate the appropriate directory as described in the [“Finding an LDAP Directory” section on page 13-1](#), click the **Add New** button, and continue with [Step 3](#).

- To update existing information about an LDAP directory, locate the appropriate directory as described in the [“Finding an LDAP Directory”](#) section on page 13-1 and continue with [Step 3](#).

Step 3 Enter the appropriate settings as described in [Table 13-1](#).

Step 4 Click **Save**.

The new LDAP directory gets added or updated to the Cisco Unified CallManager database.

Additional Information

See the [“Related Topics”](#) section on page 13-6.

LDAP Directory Configuration Settings

[Table 13-1](#) describes the LDAP directory configuration settings. For related procedures, see the [“Related Topics”](#) section on page 13-6.

Table 13-1 LDAP Directory Configuration Settings

Field	Description
LDAP Directory Information	
LDAP Configuration Name	Enter a unique name (up to 40 characters) for the LDAP directory.
LDAP Manager Distinguished Name	Enter the user ID (up to 128 characters) of the LDAP Manager, who is an administrative user that has access rights to the LDAP directory in question.
LDAP Password	Enter a password (up to 128 characters) for the LDAP Manager.
Confirm Password	Re-enter the password that you provided in the LDAP Password field.
LDAP User Search Base	Enter the location (up to 256 characters) where all LDAP users exist. This location is a container or a directory. This information varies depending on customer setup.
LDAP Directory Synchronization Schedule	
Perform Sync Just Once	If you want to perform synchronization of the data in this LDAP directory with the data in the Cisco Unified CallManager database only once, check this check box.
Perform a Re-sync Every	If you want to perform synchronization of the data in this LDAP directory with the data in the Cisco Unified CallManager database at a regular interval, use these fields. In the left field, enter a number. In the drop-down list box, choose a value: - hours - days - weeks - months Note This field is active only if you do not check the Perform Sync Just Once check box.

Table 13-1 LDAP Directory Configuration Settings (continued)

Field		Description
Next Re-sync Time (YYYY-MM-DD hh:mm)		Specify a time to perform the next synchronization of Cisco Unified CallManager directory data with this LDAP directory. Use a 24-hour clock to specify the time of day. For example, 1:00 pm is 13:00.
User Fields To Be Synchronized		
Cisco Unified CallManager User Fields	LDAP User Fields	
User ID	sAMAccountName	For these fields, the Cisco Unified CallManager data in the field specified at left gets synchronized with the LDAP user data in the field specified at right.
Middle Name	(drop-down list box)	For these fields, the Cisco Unified CallManager data in the field specified at left gets synchronized with the LDAP user data in the field specified at right. For the LDAP User field, choose one of the following values: - middleName - initials
Manager ID	manager	For these fields, the Cisco Unified CallManager data in the field specified at left gets synchronized with the LDAP user data in the field specified at right.
Phone Number	(drop-down list box)	For these fields, the Cisco Unified CallManager data in the field specified at left gets synchronized with the LDAP user data in the field specified at right. For the LDAP User field, choose one of the following values: - telephoneNumber - ipPhone
First Name	givenName	For these fields, the Cisco Unified CallManager data in the field specified at left gets synchronized with the LDAP user data in the field specified at right.
Last Name	sn	For these fields, the Cisco Unified CallManager data in the field specified at left gets synchronized with the LDAP user data in the field specified at right.
Department	department	For these fields, the Cisco Unified CallManager data in the field specified at left gets synchronized with the LDAP user data in the field specified at right.
Mail ID	(drop-down list box)	For these fields, the Cisco Unified CallManager data in the field specified at left gets synchronized with the LDAP user data in the field specified at right. For the LDAP User field, choose one of the following values: - mail - sAMAccountName

Table 13-1 LDAP Directory Configuration Settings (continued)

Field	Description
LDAP Server Information	
Host Name or IP Address for Server	Enter the host name or IP address of the server where the data for this LDAP directory resides.
LDAP Port	Enter the port number on which the corporate directory receives the LDAP requests. Default LDAP port for Microsoft Active Directory and for Netscape Directory specifies 389. Default LDAP port for Secured Sockets Layer (SSL) specifies 636. Note You can only access this field if LDAP authentication for end users is enabled.
Use SSL	Check this check box to use Secured Sockets Layer (SSL) encryption for security purposes. Note You can only access this field if LDAP authentication for end users is enabled.
Add Another Redundant LDAP Server	Click this button to add another row for entry of information about an additional server.

Deleting an LDAP Directory

This section describes how to delete an LDAP directory in Cisco Unified CallManager Administration.

Before You Begin

When you delete an LDAP directory, Cisco Unified CallManager removes information about that directory from the database.



Note

You can delete multiple LDAP directories from the Find and List LDAP directories window by checking the check boxes next to the appropriate LDAP directories and clicking **Delete Selected**. You can delete all LDAP directories in the window by clicking **Select All** and then clicking **Delete Selected**.

Procedure

- Step 1** Find the LDAP directory that you want to delete by using the procedure in the [“Finding an LDAP Directory”](#) section on page 13-1.
- Step 2** Click the name of the LDAP directory that you want to delete.
The LDAP directory that you chose displays.
- Step 3** Click **Delete**.
You receive a message that asks you to confirm the deletion.
- Step 4** Click **OK**.
The window refreshes, and the LDAP directory gets deleted from the database.

Additional Information

See the [“Related Topics”](#) section on page 13-6.

Related Topics

- [LDAP Directory Configuration, page 13-1](#)
- [Finding an LDAP Directory, page 13-1](#)
- [Configuring an LDAP Directory, page 13-2](#)
- [Deleting an LDAP Directory, page 13-5](#)
- [Understanding the Directory, *Cisco Unified CallManager System Guide*](#)
- [LDAP System Configuration, page 12-1](#)
- [LDAP Authentication Configuration, page 14-1](#)
- [Application Users and End Users, *Cisco Unified CallManager System Guide*](#)
- [Application User Configuration, page 86-1](#)
- [End User Configuration, page 87-1](#)