

# **Static Unified Communications manager Configuration for LDAP Integration**

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### **Configure LDAP Synchronization**

The following procedure describes how to configure LDAP synchronization.

### Procedure

Step 1	In Cisco Unified CM Administration, choose System > LDAP > LDAP System.
Step 2	Check the Enable Synchronizing from LDAP Server check box.
Step 3	From the LDAP Server Type drop-down list box, choose Microsoft Active Directory.
Step 4	From the LDAP Attribute for User ID drop-down list box, choose sAMAccountName.

After completing the preceding steps, the LDAP System Configuration window appears.

## **Configure LDAP Authentication**

### Procedure

- Step 2 Check the Use LDAP Authentication for End Users check box.
- Step 3 In the LDAP Manager Distinguished Name field, enter the related information.
- Step 4 In the LDAP Password field, enter the password for the LDAP server.
- **Step 5** In the LDAP User Search Base field, enter the relevant details.
- **Step 6** In the **Host Name or IP Address for Server** field, enter the IP address or hostname if using DNS of LDAP server.



- Note
- For static Unified Communications Manager configuration for LDAP integration, check the Use LDAP Authentication for End Users check box so that Unified Communications Domain Manager does not send passwords to Unified Communications Manager when Unified Communications Manager is configured as LDAP Aware in Unified Communications Domain Manager. Unified Communications Domain Manager requires that Unified Communications Manager is configured for LDAP integration and is configured to use LDAP to authenticate end users.
- The user details page (administration GUI and self-care) drives the following fields for a user in Unified Communications Manager when the cluster serving the user location is LDAP-aware in Unified Communications Domain Manager. The Unified Communications Manager version must be 8.0 or later for this setup to function.
- The permission groups in Unified Communications Manager for CTI management are added to the user if the CTI Enabled setting is set to True in Unified Communications Domain Manager.

After completing the preceding steps, the LDAP Authentication window appears.

## **Configure LDAP Directory**

#### Procedure

Step 1	In Cisco Unified CM Administration, choose System > LDAP > LDAP Directory.
Step 2	Click Add New.
Step 3	In the LDAP Configuration Name field, enter a configuration name.
Step 4	In the LDAP Manager Distinguished Name field, enter the relevant details.
Step 5	In the LDAP Password field, enter the password for the LDAP server.
Step 6	In the LDAP User Search Base field, enter the relevant details.
Step 7	In the <b>Host Name or IP Address for Server</b> field, enter the IP address or hostname if using DNS of LDAP server.
Step 8	Click Save. A dialog box opens, asking if you want to perform synchronization.
Step 9	Click <b>Perform Full Sync Now</b> . The full synchronization should take just a few minutes. If you encounter a problem in synchronization, try restarting the DirSync feature from the <b>Cisco Unified CM Serviceability</b> window.

Note

All other fields in this window are set to their default values.

After completing the preceding steps, the LDAP directory application appears.

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## **Configure end users in LDAP**

#### Procedure

- **Step 1** From the directory, select the customer name.
- **Step 2** Choose Action > New > Users.
- **Step 3** In the **First Name**, **Last Name**, **Full Name**, and **User logon name** fields, enter the required new user details as shown in the following figure.

#### Figure 1: End Users Configuration in LDAP

Active Directory Users and Computers [LDAP-SP.pavel	<mark>ci:</mark> Ent1Users 9 objects	EntIUsers 9 objects					
Saved Queries	Name 🛆	Туре	Description				
Saved Queries Sa	Name A Akshaya Rajesh Do Gangwani John Chambers Kapil Dev LDAP Nithya Rajesh Rajesh Mahadevan Rajev Gandhi Sachin Tendulkar	Type User User User User User User User	Description         New Object - User         Image: Create in: pavel.cisco.com/Ent1Users         Erst name:         Erst name:         Last name:         User1         Full name:         Ent1 User1         User logon name:         ent1 user1         User logon name (pre-Windows 2000):         PAVELDN         ent1 user1         (BBok: Next > Cancel				

**Step 4** Add a password for the new user as shown in the following figure.

Active Directory Users and Computers [LDAP-SP.pavel.ci	EntiUsers 9 objects				
Saved Queries	Name 🛆	Туре	Description		
H Builtin	🖸 Akshaya Rajesh	User			
Computers	🖸 DD Gangwani	User			
Domain Controllers	🖸 John Chambers	User			
Ent12Users	🖸 Kapil Dev	User			
Ent1Users	LDAP	User			
E Generation SecurityPrincipals	😡 Nithya Rajesh	User	New Object - User		
🕀 🧰 LostAndFound	🛛 🖸 Rajesh Mahadevan	User			
🕀 🧰 NTDS Quotas	🖸 🖸 Rajiv Gandhi	User	Create in a prior see /Entit land		
🗄 🧰 Program Data	🖸 🖸 Sachin Tendulkar	User			
🗄 🦲 System					
lest					
			Confirm password:		
			User must change password at next loggin		
			User cannot change password		
			Password never expires		
			IAccount is disabled		
			· · · · · · · · · · · · · · · · · · ·		
			<back next=""> Cancel</back>		

Figure 2: End Users Configuration in LDAP (Contd.)

**Step 5** Repeat the preceding steps to add more users to each customer.

## **Verify end users in Cisco Unified Communications Manager**

The following procedure describes how to verify end users that are configured in LDAP directory after Cisco Unified Communications Manager is synchronized with LDAP directory.

#### **Procedure**

Step 1	In Cisco Unified CM Administration, choose User Management > End User.
	You can view a list of LDAP configured users.

Step 2 Make sure that the LDAP Sync Status is Active for each user.

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After completing the preceding steps, the Find and List Users window in Unified Communications Manager application appears as shown in the following figure.

#### Figure 3: Verify End Users in Unified Communications Manager

System 👻 Coll R	outing 👻 Media Resources 👻 Advanced Fea	tures - Device - Application - User Management	Help      Help     ✓			
ind and List L	lsers					
Status						
i) 9 records 1	found					
User (1 - 9	of 9)					Rows pe
Find User where	First name 💌 begins with 💌	Find Clear Filter 🕀 👄				
Γ	User ID *	First Name	Last Name	Department		LDAP Sync Status
	aksraj	Akshaya	Rajesh		Active	
	dgangwan	DD	Gangwani		Active	
	iohno	John	Chambers		Active	
	kdev	Kapil	Dev		Active	
	nithrai	Nithya	Rajesh		Active	
	raimaha	Rajesh	Mahadevan		Active	
	rgandhi	Rajiv	Gandhi		Active	
	sachin	Sachin	Tendulkar		Active	