

# Configuration of PCP to Provision Users with Services to CUCM and Unity Connection with LDAP

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## Introduction

This document describes the configuration of Prime Collaboration Provisioning (PCP) to Provision Users with Services to Cisco Unified CM and Cisco Unity Connection (CUC) as Lightweight Directory Access Protocol (LDAP) integrated users.

It is also for greenfield deployments, where Cisco Unified Communication Manager (CUCM) and Cisco Unity Connection does not have LDAP synchronized Users already.

## Prerequisites

### Requirements

Cisco recommends that you have knowledge of these topics:

- Cisco Unified CM and Cisco Unity Connection Directory integration
- Understanding Prime Collaboration Provisioning Management

### Components Used

The information in this document is based on PCP 11.x, to provision users as LDAP Synchronized Users

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command or configuration changes.

# Configuration

## CUCM LDAP Configuration

- Add LDAP System, Directory and Authentication Configuration under CUCM **System > LDAP**.
- Disable LDAP Synchronization Schedule as we do not need to import users to CUCM from LDAP.

The screenshot shows the Cisco Unified CM Administration interface for LDAP Directory configuration. The page title is "LDAP Directory" and the status is "Ready". The configuration fields are as follows:

LDAP Configuration Name*	ldap-163
LDAP Manager Distinguished Name*	CN=Administrator,CN=Users,DC=pvlab,DC=com
LDAP Password*	*****
Confirm Password*	*****
LDAP User Search Base*	OU=WORKSHOP,DC=pvlab,DC=com
LDAP Custom Filter for Users	WORKSHOP_PCP
Synchronize*	<input checked="" type="radio"/> Users Only <input type="radio"/> Users and Groups
LDAP Custom Filter for Groups	< None >

**LDAP Directory Synchronization Schedule**

Perform Sync Just Once	<input checked="" type="checkbox"/>
Perform a Re-sync Every*	7 DAY
Next Re-sync Time (YYYY-MM-DD hh:mm)*	2017-04-07 00:00

## CUC LDAP Configuration:

- In order to add LDAP Setup, Directory, Authentication under Unity Connection, navigate to **System Settings > LDAP**.
- Configure LDAP Sync Schedule for Unity Connection and Perform Full Sync Now.

The screenshot shows the LDAP Directory Synchronization Schedule configuration page. The fields are as follows:

Perform Sync Just Once	<input type="checkbox"/>
Perform a Re-sync Every*	1 DAY
Next Re-sync Time (YYYY-MM-DD hh:mm)*	2017-04-07 00:00

**Note:** Do not Import Users from LDAP to Unity (**Users > Import Users**)

## PCP Device Setup:

- In order to add Unified Communications Manager under PCP Device Setup. Chose LDAP Integration as **NONE**, as shown in the image:

The screenshot displays the Cisco Prime Collaboration Provisioning interface. The left sidebar contains a navigation menu with options: Dashboard, Device Setup (highlighted), Provisioning Setup, User Provisioning, Advanced Provisioning, Infrastructure Setup, Activities, Reports, and Administration. The main content area is titled 'Device Setup' and includes '+ Add', 'Edit', and 'Delete' buttons. Below these is a table with columns 'Name' and 'Type'. A table entry for 'CUCM11' is selected, with a tooltip showing 'Unified Communications Manager'. An 'Edit Device' modal is open, containing the following fields:

- \* Name: CUCM11
- \* Host / IP Address: 10.66.87.170
- \* Application: Unified Communications Manager
- \* Version: 11.0(1)
- LDAP Integration: None (highlighted in yellow)
- \* Username: CCAdmin
- \* Password: (empty)
- Extension Mobility Details (if available)**
  - Service Name: ExtensionMobility
  - Service URL: http://10.66.87.170:8080/em

Buttons for 'Save' and 'Cancel' are located at the bottom right of the modal.

- As shown in the image, add Unity Connection Device with required details and choose LDAP Integration **YES**.

The screenshot displays the Cisco Prime Collaboration Provisioning interface. On the left is a navigation menu with options like Dashboard, Device Setup, Provisioning Setup, User Provisioning, Advanced Provisioning, Infrastructure Setup, Activities, Reports, and Administration. The main area is titled 'Device Setup' and contains a table of devices. The 'CUC11' device is selected, and an 'Edit Device' modal is open. The modal contains the following fields:

- \* Name: CUC11
- \* Host / IP Address: 10.66.87.172
- \* Application: Unity Connection
- \* Version: 11.0.1
- LDAP Integration: Yes (highlighted in yellow)
- \* Username: CUCAdmin
- \* Password: (empty)
- \* OS Administrator Name: (empty)
- \* OS Administrator Password: (empty)

Buttons for 'Save' and 'Cancel' are at the bottom right of the modal.

- Add Directory Server (LDAP) and IM and Presence on PCP Device Setup page.
- Perform Infrastructure Synchronization and User Synchronization for CUCM, CUC.
- Perform Infrastructure Synchronization for IM & Presence server.
- Complete your remaining Provisioning Setup - Domains, Service Areas, Roles and Service Templates as required.
- Perform Domain Synchronization after any changes made for configuration.

## Verify

- After the configuration is completed, you should be ready to provision users. Import users from LDAP for auto provisioning and complete provisioning.
- Once provision of users is completed successfully, you can see Users on CUCM and CUC as LDAP Synchronized users.

The screenshot shows a table with the following data:

Check	User	Status
<input type="checkbox"/>	Syd	Active LDAP Synchronized User

Below the table are buttons: Add New, Select All, Clear All, Delete Selected.

## Related Information

- [https://www.cisco.com/c/en/us/td/docs/net\\_mgmt/prime/collaboration/11-6/provisioning/guide/cpcob/cisco-prime-collaboration-provisioning-guide-11-6/Cisco\\_Prime\\_Collaboration\\_Provisioning\\_Guide\\_11\\_6\\_chapter\\_011.html](https://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/collaboration/11-6/provisioning/guide/cpcob/cisco-prime-collaboration-provisioning-guide-11-6/Cisco_Prime_Collaboration_Provisioning_Guide_11_6_chapter_011.html)
- [Technical Support & Documentation - Cisco Systems](#)