Install Cisco Prime Collaboration Provisioning

This section explains the following:

Download Cisco Prime Collaboration Provisioning

Cisco Prime Collaboration images are provided on the eDelivery site and on the Cisco.com support software download site. You must have an order for an eDelivery or ESW contract.

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Important   Download the OVA file on a machine where the vSphere client is installed. To ensure that the downloaded OVA file is not corrupt, you must verify if the Message Digest 5 (MD5) Checksum of the OVA file matches with the value in the download site. To view the MD5 Checksum of the OVA file available in Cisco.com support software download site, hover your mouse over the filename.

To install only Cisco Prime Collaboration Provisioning, download the Cisco Prime Collaboration Provisioning OVA file based on the number of endpoints that you want to manage.

You can configure the Cisco Prime Collaboration Provisioning application for the following types of deployment models:

- Cisco Prime Collaboration Provisioning OVA for a small deployment—For up to 3000 phones

- Cisco Prime Collaboration Provisioning OVA for a medium deployment—For up to 20,000 phones

- Cisco Prime Collaboration Provisioning OVA for a large deployment—For up to 150,000 phones

The OVA file format is `cpc-provisioning-<version number>-<build number>-<deployment type>_SIGNED.ova`; where, the version number is the Cisco Prime Collaboration release number (11.0 or 11.1 or 12.1 or 12.2 or 12.3, 12.4, or 12.5) and the deployment type is small, medium, or large.

You must have a valid Cisco.com user account to download the files.

See Setting up Devices for Cisco Prime Collaboration Provisioning for information about setting up the devices in your network for Cisco Prime Collaboration.

User Accounts

For Cisco Prime Collaboration, specify various passwords at different instances.

- globaladmin—Special account, which can be used to access and configure the Cisco Prime Collaboration Provisioning User Interface.

- globaladmin password—Password to access Cisco Prime Collaboration Provisioning UI .

In Cisco Prime Collaboration Provisioning, globaladmin password is used for the postgres administrator (to perform backup and restore operations). This password is also used for logging in to Cisco Prime Collaboration Provisioning.

Password Rules for the Globaladmin

For Cisco Prime Collaboration 11.5 and later

Follow these guidelines when you are creating password for the globaladmin:

- Must contain at least one—lowercase letter, uppercase letter, number, and special character (exclamation mark[!], at symbol[@], pound sign[#], dollar[$], asterisk[*], comma[,], period[.])
- Cannot repeat a character in the password more than three times.

- Cannot contain non-ASCII characters minus(-), percent(%), plus(+), ampersand(&) or a space.

- Cannot be cisco or ocsic or any variant by changing the capitalization of letters or by substituting 1, exclamation(!), or pipe(|) for i, 0 for o, dollar($) for s.

- Cannot be the same as the username or the username reversed.

- Must be between 8 and 80 characters.

- Cannot end with: asterisk(*), semicolon(;), or pound sign(#).

Password Rules After Migration

For Cisco Prime Collaboration 11.6 and later

If you are migrating from Cisco Prime Collaboration 11.1 or 11.2 or 11.5 or 11.6 to 12.1, note how the following password rules are getting migrated:

Note The same password rules are applicable, when you are migrating from Cisco Prime Collaboration 11.x to 12.1.

Before Migration	After Migration
The **Must contain characters from 3 of lowercase, uppercase, number and special character** setting is disabled in the user interface (**Administration > Settings**).	The **Must contain characters from <number of> of 4 character types: lowercase, uppercase, number, and special character** setting will be set to 1 in the user interface (**Administration > Settings > Password**).
The **Must contain characters from 3 of lowercase, uppercase, number and special character** setting is enabled in the user interface (**Administration > Settings**).	The **Must contain characters from <number of> of 4 character types: lowercase, uppercase, number, and special character** setting will be set to 3 in the user interface (**Administration > Settings > Password**).
Minimum length of the password is set less than six.	Minimum length of the password will be set to six. **Note** You are recommended to change the default CUPM password (**Administration > Rules > DefaultCUPMPassword**) if it is enabled and its length is less than 6 characters, else creation of the user in Cisco Prime Collaboration Provisioning fails due to non-compliance of the password policy.

Installation Prompts

We recommend that you know the values for the following parameters, before configuring the virtual appliance:

- IP address—IP address of the virtual appliance

- IP default netmask—Default subnet mask for the IP address

- Host Name—Host Name of the virtual appliance

- IP default gateway—IP address of the default gateway

- Default DNS domain—Default domain name

- Primary nameserver—Primary name server. You may add the name server. To configure several name servers, enter **y**.

- Primary NTP server[time.nist.gov]—Primary NTP server. To enter a secondary NTP server, enter **y** at the next prompt.

  Note To configure a tertiary NTP server, enter **y** at the next prompt after you specify a secondary NTP server. Cisco Prime Collaboration supports three NTP servers.

- Time zone—Time stamp that is displayed on the user interface is the server time. By default, the configured time zone is UTC. For a list of supported time zones, see Supported Timezones for Prime Collaboration.

• global admin password—Password for the global administrator.

Note   Cisco Unified Communication Manager, Release 10.0 and later are supported in the Standard mode.

Deploy and Configure Cisco Prime Collaboration Provisioning

You can install the Cisco Prime Collaboration Provisioning application, based on the OVA file that you have downloaded:

• For small, medium, and large deployment models, you need one virtual machine only to install and configure Cisco Prime Collaboration Provisioning. To learn about configuring these deployment models, see Configure the Small, Medium, and Large Cisco Prime Collaboration Provisioning OVA, on page 5.

After you deploy the Cisco Prime Collaboration Provisioning OVA file, configure the virtual appliance.

Based on the OVA file you have downloaded, you can configure Cisco Prime Collaboration Provisioning virtual appliance as follows:

• Configure the Small, Medium, and Large Cisco Prime Collaboration Provisioning OVA, on page 5

Deploy Cisco Prime Collaboration Provisioning OVA

Before You Begin

Ensure that requirements listed in Installation Requirements and System Requirements - Server and Client Machine Requirements have been met.

Procedure

Step 1   Launch VMware vSphere Client and select **File > Deploy OVF Template**.

Step 2   In the **Deploy OVF Template** window, click **Deploy** from file.

Step 3   Click **Browse** and navigate to the location where you have saved the Cisco Prime Collaboration Provisioning OVA file. Click **Next**.

Step 4   In the **OVF Template Details** window, verify the details about the OVA file, including the product name, version, and the size, and then click **Next**.

Ensure that the Publisher field in the OVF Template Details window displays Cisco Systems, Inc with a green check mark next to it.

Step 5   Click **Accept** to accept the end-user license agreement. Click **Next**.

Step 6   In the **Name and Location** window, specify a name and location for the template that you are deploying. The name must be unique within the inventory folder and can contain up to 80 characters. Click **Next**.

Step 7   In the **Disk Format** window, select **Thick provisioned format** to store on the virtual disks, and then click **Next**.

Step 8   Verify the options in the **Ready to Complete** window, and then click **Finish** to start the deployment.

The deployment takes about 30 minutes to complete. Check the progress bar in the **Deploying Virtual Appliance** window to monitor the task status.

Step 9 Click **Close**.

The virtual appliance that you deployed appears in the left pane of the vSphere Client, under the host.

Configure the Small, Medium, and Large Cisco Prime Collaboration Provisioning OVA

Procedure

Step 1 Turn on the virtual machine by right-clicking the virtual appliance and choosing **Power > Power On**.

Step 2 In the virtual appliance console, enter **setup** at the localhost login prompt.

Step 3 Enter the required parameters at the console prompts. After entering each parameter, press **enter** to bring up the next parameter. (see Installation Prompts, on page 3.) For the Installation Mode prompt, enter 1 to select Standard Cisco Prime Collaboration Provisioning, or enter 2 to select Advanced Cisco Prime Collaboration Provisioning (with a 90-day evaluation of advanced features). The default value is 1.

> **Note** Time zone—When you are prompted to enter a time zone for the Cisco Prime Collaboration Provisioning server, specify the time zone (UTC). Ensure that you specify the same time zone in the server and in the Cisco Prime Collaboration Provisioning user interface.
>
> You can use SSH (troubleshooting user login) to change the time zone after you install the Cisco Prime Collaboration Provisioning server. For details see the Configuring Prime Collaboration Provisioning Server Time Zone section in Cisco Prime Collaboration Provisioning Guide. For a list of supported time zones, see Supported Timezones for Prime Collaboration.

Step 4 After you finish the installation (when you see the login prompt in console), wait approximately 10 minutes for the Cisco Prime Collaboration Provisioning processes to be listed on the console and then log in to the Cisco Prime Collaboration Provisioning user interface.

> **Note** Your account will be locked upon 5 consecutive unsuccessful login attempts. For globaladmin, the account is automatically unlocked after 8 hours, and for other user accounts after 12 hours.

Step 5 Log in to Cisco Prime Collaboration Provisioning server to verify the installation. See Verify the Cisco Prime Collaboration Provisioning Installation (for Advanced or Standard Mode)