



INTEGRATION GUIDE



Installing Cisco Unified Presence 7.0(1) on a VMWare Player for Integration with the Cisco Unified Application Environment Release 2.5

- 1** Prerequisites For This Integration
- 2** How to Install the VMWare Player and Configure Network Connections
- 3** How to Complete the Cisco Unified Presence 7.0(1) Installation
- 4** Configuring the Publisher Node in Cisco Unified Presence
- 5** How to Complete Cisco Unified Presence Post-Installation Setup
- 6** Configuring the Cisco Unified Application Environment
- 7** Getting More Information

1 Prerequisites For This Integration

For this integration, ensure that you have:

- a Microsoft Windows PC, with a minimum of 2GB of RAM and a processor that runs at 400MHz or faster.
- installed and configured Cisco Unified Communications Manager server Version 5.x, 6.x, or 7.x.
- configured Cisco Unified Presence as an Application Server on the publisher node of the Cisco Unified Communications Manager.
- the available IP Address and subnet mask for the virtual Cisco Unified Communications Manager, and the related gateway IP address required for network access to the Cisco Unified Communications Manager server.

2 How to Install the VMWare Player and Configure Network Connections

- [Downloading the VMWare Player, page 2](#)
- [Configuring the Windows PC Network Connections, page 2](#)

Downloading the VMWare Player

Procedure

- Step 1** Download VMWare Player 2.0 or above from the following URL: <http://www.vmware.com/products/player/>
- Step 2** Read and accept the usage guidelines on the Download VMWare Player page.
- Step 3** Accept all the defaults during installation.
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Configuring the Windows PC Network Connections



Note Perform this procedure only if you have two network adapters on your PC. Otherwise, go to [How to Complete the Cisco Unified Presence 7.0\(1\) Installation, page 3](#).

Procedure

- Step 1** Select Start > Control Panel > Network Connections > Local Area Connection.
- Step 2** Select, then right-click the connection that is *not* the primary LAN connection.
- Step 3** Click Properties.
- Step 4** From the General tab in the Local Area Connection Properties window, write down the name of the local area device used to make the connection shown in the Connect using: list box.
- Step 5** Click Cancel to return to the Local Area Connection window.
- Step 6** Click Close.
- Step 7** From the VMWare Player installation directory, run this executable file: vmnetcfg.exe.
- Step 8** Select the Automatic Bridging tab in the Virtual Network Editor window.
- Step 9** Navigate to the General tab of the Local Area Connection Properties window.

- Step 10** Perform the following actions:
- Select the device you noted in the Connect using: list box.
 - Click **Add** to add it to the Excluded Adapter list.

Step 11 Click **Apply**.

Step 12 Click **OK**.

3 How to Complete the Cisco Unified Presence 7.0(1) Installation

- [Starting the Basic Installation, page 3](#)
- [Configuring the Basic Installation, page 4](#)
- [Configuring Static Network Values and DNS, page 5](#)
- [Configuring the Administrator Login, page 5](#)

Starting the Basic Installation

Before You Begin

Ensure that you have installed the VMWare player and have configured your network connections.

Procedure

- Step 1** Insert the Cisco Unified Presence SDK DVD into the drive.
- Step 2** When Windows Explorer displays the contents of the DVD, locate this executable file and run the self-extracting installer: CUP_Virtual_Appliance.exe.
- Step 3** Perform one of the following actions to start the VMWare Player:
- Select the desktop icon.
 - Select **Start > Programs > VMware**.
- Step 4** Complete the following actions:
- Navigate to the location where you extracted the files.
 - Locate the file with the extension .vmx, and open it.



Note If you see a [FAILED] status, ignore it. As the VMWare Player loads the virtual image file, status messages display for which you do not need to take any action.

- Step 5** Click **Continue** when the Pre-existing Configuration Information window displays.
- Step 6** Click **Proceed** when the Platform Installation Wizard displays.
- Step 7** Click **No** in the Apply Additional Release window to install the software on the DVD without upgrading.
- Step 8** Click **Continue** in the Basic Install Window.
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Troubleshooting Tips

While performing these steps, use the following key combinations to interact with the VMWare Player:

- **CTRL-G**—Shifts the focus inside the VMWare Player window.
- **CTRL-ALT**—Shifts the focus outside the VMWare Player window.

Related Topics

- [Downloading the VMWare Player, page 2](#)

What To Do Next

[Configuring the Basic Installation, page 4](#)

Configuring the Basic Installation

Before You Begin


Start the basic installation.

Procedure

Step 1 Perform the following actions using the Up and Down arrow keys in the Timezone Configuration window:

- Select the appropriate time zone for the server.
- Click OK.

Step 2 Perform one of the following actions in the Auto Negotiation Configuration window:

If you want to:	Action
Automatically set the speed and duplex settings of the Ethernet network interface card (NIC) using automatic negotiation	<ol style="list-style-type: none">Click Yes.  Note To use this option, your hub or Ethernet switch must support automatic negotiation.
Disable automatic negotiation	<ol style="list-style-type: none">Click No.Perform the following actions in the Duplex Configuration window:<ul style="list-style-type: none">Manually select the appropriate NIC Speed and Duplex settings.Click OK to continue.

Step 3 Perform one of the following actions in the DHCP Configuration window:

If you want to:	Action
Use DHCP	<ol style="list-style-type: none">Click YesSkip to the procedure that describes how to configure the Administrator login.
Set up a static IP address for the server	<ol style="list-style-type: none">Click NoSkip to the procedure that describes how to configure static network values and DNS.

Related Topics

- [Starting the Basic Installation, page 3](#)
- [Configuring the Administrator Login, page 5](#)

What To Do Next

[Configuring Static Network Values and DNS, page 5](#)

Configuring Static Network Values and DNS

Before You Begin

Configure the basic installation.

Procedure

Step 1 Perform the following actions in the Static Network Configuration window:

- a. Enter your static network configuration values.
- b. Click **OK**.

Step 2 Perform the following actions in the DNS Client Configuration window:

- a. Click **Yes**, and enter your DNS client information.
 - b. Click **OK**.
-

Related Topics

- [Configuring the Basic Installation, page 4](#)

What To Do Next

[Configuring the Administrator Login, page 5](#)

Configuring the Administrator Login

Before You Begin

Configure the static network values and DNS.

Procedure

Step 1 Enter your administrator login and password.

Step 2 Perform the following actions in the Certificate Information window:

- a. Enter the certificate signing request information.
- b. Click **OK** to continue with connectivity and version validation.

Step 3 Click **Yes** to begin installing the first Cisco Unified Presence node in the cluster.

Troubleshooting Tips

When entering the static network configuration values, see the *Installation and Upgrade Guide for Cisco Unified Presence Release 7.0(1)* for additional field descriptions.

Related Topics

- [Configuring Static Network Values and DNS, page 5](#)

What To Do Next

Configuring the Publisher Node in Cisco Unified Presence, page 6



4 Configuring the Publisher Node in Cisco Unified Presence

Before You Begin

- Complete the Cisco Unified Presence 7.0(1) installation.
- During the installation, you have the option to either use the hardware clock or assign up to five external NTP addresses. To ensure accurate system time on the publisher node, we recommend that you configure the Cisco Unified Communications Manager publisher as the only NTP server. Following the first time that you log onto Cisco Unified Presence Administration and perform initial configuration, the Cisco Unified Communications Manager publisher is set as the only NTP server for the cluster. Subsequent nodes in the cluster will set the time from the Cisco Unified Communications Manager publisher node. We strongly recommend you to leave the Cisco Unified Communications Manager publisher as the NTP server. However, if you require another NTP server, ensure the server is stratum 9 or higher (meaning stratum 1-9).

Procedure

Step 1 Set correct system time in the Network Time Protocol Client Configuration window, as follows:

If you want to configure:	Action
An external NTP server	<p>a. Click Yes.</p> <p>b. Enter the IP address, NTP server name, or NTP server pool name for at least one NTP server.</p> <p> Note You can configure up to five NTP servers, and we recommend that you use at least three.</p> <p> Note Click Proceed to continue with the installation. The system contacts an NTP server and automatically sets the time on the hardware clock. If the Test button displays, you can click Test to check whether the NTP servers are accessible.</p>
System time manually	<p>a. Click No.</p> <p>b. Enter the appropriate date and time to set the hardware clock.</p> <p>c. Click OK to continue with the installation.</p>

Step 2 Enter the Security password in the Security Password window.

Step 3 If you want to configure an SMTP host, perform the following actions:

- a. Click **Yes**.
- b. Enter the SMTP location.

Step 4 Complete the following tasks in the Platform Configuration Confirmation window:

- a. Enter the Application User Username and Application User Password.

- b. Click **OK**.

Step 5 Perform one of the following actions:

- a. Click **OK** to start installing the software.
- b. Click **Back** if you want to change the configuration.

Step 6 When the installation process completes, you are prompted to log in with the Administrator account and password.

Troubleshooting Tips

- The Security password must be identical to the Cisco Unified Communications Manager Publisher password. You can change the security password the first time you log onto Cisco Unified Presence Administration.
- You must configure an SMTP server to use certain operating system features. However, you can also configure an SMTP server later by using the Cisco Unified Communications Operating System GUI or the command line interface.

Related Topics

- [How to Complete the Cisco Unified Presence 7.0\(1\) Installation, page 3](#)

What To Do Next

[Running the Post-Installation Deployment Wizard, page 7](#)

5 How to Complete Cisco Unified Presence Post-Installation Setup

The first time you log into Cisco Unified Presence Administration after a fresh installation of Cisco Unified Presence, a post-installation GUI starts.

There is only one "publisher" in a CUP cluster, that is, the first node that you install. You are required, only once after a fresh installation, to configure the Cisco Unified Communications Manager Publisher and AXL information on the Cisco Unified Presence publisher node.



Note The next time you log in to Cisco Unified Presence Administration, the application automatically detects that the post-installation configuration is complete and the Cisco Unified Presence Administration window displays.

- [Running the Post-Installation Deployment Wizard, page 7](#)
- [Post-Installation Checklist, page 9](#)

Running the Post-Installation Deployment Wizard



Before You Begin

Always run the Post Installation Deployment wizard immediately after a fresh installation of Cisco Unified Presence, and *before* you back up or restore your data in the Disaster Recovery System. The operation fails if you install Cisco Unified Presence and attempt to back up or restore data in the Disaster Recovery System before you run the Post-Install wizard.

Procedure

Step 1 Log into Cisco Unified Presence Administration.

Step 2 Complete the Post Install Setup wizard, as follows:

Window	Configuration Steps
Post Install Setup Window Page 1 of 4	<p>a. Enter the Cisco Unified Communications Manager publisher hostname in the Hostname field.</p> <p>b. [optional] Enter the Cisco Unified Communications Manager publisher IP address in the IP address field.</p> <p> Note The IP address field is a required field if the network does not have DNS because the hostname that you enter will not resolve to an IP address. If the hostname resolves to an IP address, you can leave the IP address blank and the application detects the IP address automatically.</p> <p>c. Change and confirm the security password provided during the initial installation of Cisco Unified Presence.</p> <p>d. Click Next.</p>
Post Install Setup Window Page 2 of 4	<p>a. Enter the username for the application user that has the Standard AXL API Access role assigned to it on the associated Cisco Unified Communications Manager first node.</p> <p> Note By default, the Standard AXL API Access role is assigned to the CCMAAdministrator User ID.</p> <p>b. Enter and confirm the AXL password.</p> <p>c. Click Next.</p>
Post Install Setup Window Page 3 of 4	<p>Verify your configuration, and complete one of the following actions:</p> <ul style="list-style-type: none">• Click Back to correct an error.• Click Confirm to proceed.
Post Install Setup Window Page 4 of 4	<p>Perform one of the following actions:</p> <ul style="list-style-type: none">• Click Home to display the Cisco Unified Presence Administration window.• Click System Dashboard to display the Cisco Unified Presence System Dashboard window.• Click Topology to display the System Topology window.

Troubleshooting Tips

You cannot run the post-installation GUI a second time. If you need to change the Cisco Unified Communications Manager publisher address or AXL information after this initial configuration, select **System > CUCM Publisher** in Cisco Unified Presence Administration.

Related Topics

- *Disaster Recovery System Guide*
- *Configuration and Maintenance Guide for Cisco Unified Presence*

Post-Installation Checklist

After installing Cisco Unified Presence, you must set some configuration parameters and perform other post-installation tasks before you can begin using it.

Table 1 *Post-Installation Tasks*

Post-Installation Tasks	Important Notes
Upload the Cisco Unified Presence license file.	From the Cisco Unified Presence Administration window, select System > Licensing > License File Upload .
Activate the required Cisco Unified Presence services, including <ul style="list-style-type: none">• Cisco Unified Presence SIP Proxy• Cisco Unified Presence Engine• Cisco Unified Presence Sync Agent	From the Cisco Unified Serviceability window, select Tools > Service Activation .
Configure the Cisco Unified Communications Manager Presence Gateways.	From the Cisco Unified Presence Administration window, select Presence > Gateways .
If you have Cisco Unified Communications Manager 5.0 or a later release on the associated Cisco Unified Communications Manager publisher server, then you must configure a SIP PUBLISH trunk on Cisco Unified Communications Manager and enable SIP PUBLISH on Cisco Unified Presence.	To configure a SIP PUBLISH trunk on Cisco Unified Communications Manager, see the SIP Trunk Configuration Checklist in the <i>Cisco Unified Communications Manager System Guide</i> . To enable SIP PUBLISH on Cisco Unified Presence, select Presence > Gateways .
Configure the backup settings. Remember to back up your Cisco Unified Presence data daily.	

6 Configuring the Cisco Unified Application Environment

Procedure

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- Step 1** Perform the following actions to open the Cisco Unified Application Environment management console:
- Enter: **http://<serverIPaddress>/cuadmin**
 - Enter the username and password.

Step 2 Complete the system connection configuration, as follows:

Window	Configuration Steps
Connection Type Window Page 1 of 2	<ol style="list-style-type: none">a. Select Presence Server.b. Click Next.
Add Unified Presence Cluster Window Page 2 of 2	<ol style="list-style-type: none">a. In the Domain Name field, enter any domain that is defined in the Cisco Unified Presence server and designated to be used in the Cisco Unified Application Environment.b. Enter the IP address of the primary Cisco Unified Presence server in the Primary field.c. [Optional] Enter the IP address of a backup Cisco Unified Presence server in the Backup field.d. [Optional] Enter the IP address of a proxy Cisco Unified Presence server in the Proxy field.e. Click Save.

7 Getting More Information

A list of URLs for the Cisco Unified Presence documentation suite follows, and related documentation.

- Administration Guide for the Cisco Unified Application Environment, Release 2.5
http://www.cisco.com/en/US/products/ps7058/prod_maintenance_guides_list.html
- Release Notes for Cisco Unified Presence Release 7.x
http://www.cisco.com/en/US/products/ps6837/prod_release_notes_list.html
- Installation and Upgrade Guide for Cisco Unified Presence, Release 7.0(1)
http://www.cisco.com/en/US/products/ps6837/prod_installation_guides_list.html
- Configuration and Maintenance Guide for Cisco Unified Presence, Release 7.0(1)
http://www.cisco.com/en/US/products/ps6837/prod_maintenance_guides_list.html
- Deployment Guide for Cisco Unified Presence Release 7.0(1)
http://www.cisco.com/en/US/products/ps6837/products_installation_and_configuration_guides_list.html
- Cisco Unified Communications Operating System Maintenance Guide for Cisco Unified Presence Release 7.0(1)
http://www.cisco.com/en/US/products/ps6837/prod_maintenance_guides_list.html
- Serviceability Configuration and Maintenance Guide for Cisco Unified Presence, Release 7.0(1)
http://www.cisco.com/en/US/products/ps6837/prod_maintenance_guides_list.html
- Disaster Recovery System Guide for Cisco Unified Presence Release 7.0(1)
http://www.cisco.com/en/US/products/ps6837/prod_maintenance_guides_list.html
- Cisco Unified Communications Manager Administration Guide, Release 7.0
http://www.cisco.com/en/US/products/sw/voicesw/ps556/prod_maintenance_guides_list.html



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