Installation

Set up the Hosted Virtual Desktops Workflow

The Virtual Machines for the HVDs can be either Citrix-, or VMware-provisioned. Citrix-provisioned virtual machines can be dedicated, or have multiple users connected over multiple remote sessions. To support multiple remote sessions, the virtual machine must be running a supported Microsoft Windows Server operating system.

Step 1 Log in to the Microsoft Windows HVD as the new user, with administration rights.

Step 2 Join the HVD to the corporate domain.

You must have domain administration rights.

Step 3 Set up Citrix or VMware access to the HVDs.

What to do next

Install the Components Workflow—HP Thin Pro

Before you begin

Ensure that you have all of the required files on hand. If you plan to manually install Cisco JVDI Client on the thin clients, copy the files to a USB stick.

- Follow the guidelines in the Version Support Strategy.

- Download the Cisco JVDI Agent

- Download the Cisco JVDI Client

Note   Starting with Thin Pro7.1 SP3, the prerequisites file is pre-installed with Thin Pro. For Thin Pro 6.2, you can obtain the prerequisites file directly from HP.

Step 1   On the thin client, install the Cisco Jabber Softphone for VDI files in the following order, either manually from a USB stick, or use HP Device Manager for mass deployments.

Order of installation:

a.   Prerequisites

b.   Cisco Jabber Softphone for VDI .deb package.

For more information about mass deployment, see the documentation for HP Device Manager 4.7, available from HP.

Step 2   On the HVD, install Cisco JVDI Agent.

Double-click the .msi file, and then follow the installation wizard steps.

Step 3   On the HVD, install Cisco Jabber for Windows.

Double-click CiscoJabberSetup.msi and follow the installation wizard steps. For detailed information about how to install Cisco Jabber for Windows, see *On-Premises Deployment for Cisco Jabber* for your release.

For hybrid deployments, see *Cloud and Hybrid Deployments for Cisco Jabber* for your release.

Cisco Jabber deployment guides are available from: https://www.cisco.com/c/en/us/support/unified-communications/jabber-windows/products-installation-guides-list.html.

What to do next

Clone the HVD. For best practices for cloning Microsoft Windows HVD images, consult the documentation for your Citrix or VMware product.

Create an image for the thin clients. See the documentation for HP Device Manager 4.7, available from HP.

Install the Components Workflow—MacOS

Before you begin

- Follow the guidelines in the Version Support Strategy.

- Download the Cisco JVDI Agent

- Download the Cisco JVDI Client

Procedure

	Command or Action	Purpose
Step 1	On the HVD, install Cisco JVDI Agent.	
Step 2	On the HVD, install Cisco Jabber.	Double-click CiscoJabberSetup.msi and follow the installation wizard steps. For detailed information about how to install Cisco Jabber for Windows, see *On-Premises Deployment for Cisco Jabber* for your release.
		For hybrid deployments, see *Cloud and Hybrid Deployments for Cisco Jabber* for your release.
		Cisco Jabber deployment guides are available from: https://www.cisco.com/c/en/us/support/unified-communications/jabber-windows/products-installation-guides-list.html.
Step 3	On the thin client, install the Cisco JVDI Client.	See Run the MacOS Installer, on page 3.

Run the MacOS Installer

Run the MacOS installer (PKG) to install Cisco JVDI Client.

Step 1 Double-click the Install_Cisco_JVDI_Client.pkg file.

Step 2 Read the EULA and, if you agree, click **Continue**.

Step 3 Click **Install**, and if a prompt appears that Citrix Viewer must be closed first, click **Close Application and Install**.

You can also click **Install Later** if you cannot close Citrix at the time.

Step 4 Click through the remaining screens to complete the installation.

Accept permissions

When users launch the Cisco JVDI Client on Mac OS for the first time, accept the following required permissions:

Table 1: Required permissions

Permission	Description
Access Camera	Uses the camera in a video call, or trying to open the camera in Settings.
Access Microphone	Uses the microphone for voice in a call.
Record Screen	Uses the camera in a video call, or trying to open the camera in Settings.
Access Accessibility	Required for matching the Cisco JVDI Client to the Citrix viewer. After maximizing the application on Mac OS, the application window is put into a new virtual desktop (or space). If users maximize the Citrix viewer, Jabber's video overlay window joins the space of the Citrix viewer. To do this, JVDI need request to access the system's Accessibility. User would see this pop-up in the first time of running JVDI.

Install the Components Workflow—Ubuntu

Before you begin

Ensure that you have all of the required files on hand. If you plan to manually install Cisco JVDI Client on the thin clients, copy the files to a USB stick.

- Follow the guidelines in the Version Support Strategy.

- Download the Cisco JVDI Agent

- Obtain the Cisco Jabber Softphone for VDI deb package from the Ubuntu software center repository.

  On the thin client, use the terminal emulator to run the following command: **sudo apt-get update**, and then enter your password at the prompt. The list of repositories for the Ubuntu Software Center updates. After the command finishes reading the package lists, you can close the terminal emulator. You can place the file on a network share accessible from the thin clients, or copy it to a USB stick.

Step 1 On the HVD, install Cisco JVDI Agent.

Double-click the Cisco JVDI Agent .msi and follow the installation wizard steps.

Step 2 On the HVD, install Cisco Jabber; double-click CiscoJabberSetup.msi and follow the installation wizard steps.

For detailed information about how to install Cisco Jabber for Windows, see *On-Premises Deployment for Cisco Jabber* for your release.

For hybrid deployments, see *Cloud and Hybrid Deployments for Cisco Jabber* for your release.

Cisco Jabber deployment guides are available from: https://www.cisco.com/c/en/us/support/unified-communications/jabber-windows/products-installation-guides-list.html.

Step 3 On the thin client, install the Cisco JVDI Client; enter your password at the authentication prompt.

When you double-click the Cisco Jabber Softphone for VDI deb package, the Ubuntu Software Center opens. After you click **Install**, the Ubuntu Software Center locates and installs the dependency libraries, and then installs the Cisco JVDI Client.

What to do next

Clone the HVD image. For best practices for cloning Microsoft Windows HVD images, consult the documentation for your Citrix or VMware product.

Create an image for the thin clients.

Install the Components Workflow—Unicon eLux

Before you begin

- Follow the guidelines in the Version Support Strategy.
- Download the Cisco JVDI Agent
- Download the Cisco JVDI Client
- Download Cisco AnyConnect—Unicon eLux (Optional, required only if users need VPN connectivity.)

Step 1 On the HVD, install Cisco Jabber for Windows.

Double-click CiscoJabberSetup.msi and follow the installation wizard steps. For detailed information about how to install Cisco Jabber for Windows, see *On-Premises Deployment for Cisco Jabber* for your release.

For hybrid deployments, see *Cloud and Hybrid Deployments for Cisco Jabber* for your release.

Cisco Jabber deployment guides are available from: https://www.cisco.com/c/en/us/support/unified-communications/jabber-windows/products-installation-guides-list.html.

Step 2 On the HVD, install Cisco JVDI Agent.

Double-click the MSI file and follow the installation wizard steps.

Step 3 On the thin client, install the Cisco JVDI Client and if required, deploy Cisco AnyConnect at the same time.

What to do next

Clone the HVD image. For best practices for cloning Microsoft Windows HVD images, consult the documentation for your Citrix or VMware product.

Use the Elias tool to create an image that contains Cisco JVDI Client. Deploy the image to the thin clients. For more information about how to create an image or how to update the thin client, see the Elias documentation available from the Unicon website.

Install the Components Workflow—Windows

Before you begin

- Follow the guidelines in the Version Support Strategy.

- Download the Cisco JVDI Agent

- Download the Cisco JVDI Client

Step 1   On the HVD, install Cisco JVDI Agent.

Step 2   On the HVD, install Cisco Jabber.

Double-click CiscoJabberSetup.msi and follow the installation wizard steps. For detailed information about how to install Cisco Jabber for Windows, see *On-Premises Deployment for Cisco Jabber* for your release.

For hybrid deployments, see *Cloud and Hybrid Deployments for Cisco Jabber* for your release.

Cisco Jabber deployment guides are available from: https://www.cisco.com/c/en/us/support/unified-communications/jabber-windows/products-installation-guides-list.html.

Step 3   On the thin client, install the Cisco JVDI Client.

See Cisco JVDI Client Installation, on page 6.

Cisco JVDI Client Installation

Prerequisites

Before you install Cisco JVDI Client on the thin clients, complete the following tasks:

- Install and set up the Citrix Receiver or VMware Horizon View Client.

Note   The JVDI Client is available as a 32– or 64–bit application.

- Obtain the Cisco JVDI Client zip file, and extract the contents.

Use one of the following methods to install Cisco JVDI Client:

- Run the Microsoft Installer, on page 7

- Use the Command Line, on page 7

- Use the Group Policy Editor, on page 7

Run the Microsoft Installer

Run the Microsoft Installer (MSI) to install Cisco JVDI Client.

Step 1 Double-click the CiscoJVDIClientSetup.msi file.

Step 2 To open the executable file, click **OK**.

Step 3 If the **Open File - Security Warning** appears, click **Run**.

Step 4 Read the EULA and, if you agree, click **Accept and Install**.

http://www.cisco.com/go/eula.

Step 5 To complete the installation, click **Finish**.

Use the Command Line

Step 1 Open a command window.

Step 2 Enter the following command: **start /wait msiexec.exe /i <path to MSI>\CiscoJVDIClientSetup.msi /quiet**.

The **/quiet** switch specifies a silent installation.

Use the Group Policy Editor

Use the Group Policy Management console to deploy Cisco JVDI Client to supported thin clients that are running a supported Microsoft Windows operating system.

Before you begin

- Use Microsoft Orca to set the language code to 1033.

- Copy the modified Microsoft Installer (MSI) to a software distribution point for deployment. All computers to which you plan to deploy Cisco JVDI Client must be able to access the MSI on the distribution point.

Step 1 Select **Start** > **Run**.

Step 2 At the prompt, enter the following command: **GPMC.msc**.

Step 3 Right-click on the appropriate domain in the left section.

Step 4 Select **Create a GPO in this Domain, and Link it here**.

Step 5 In the **New GPO** window, **Name** field, enter a name for the group policy object.

Step 6 Leave the default value or select an option from the **Source Starter GPO** list, and then select **OK**.

The new group policy appears in the list of group policies for the domain.

Step 7 Select the group policy object under the domain in the left section.

Step 8 From the **Security Filtering** section of the **Scope** tab, select **Add**.

Step 9 Specify the computers and users to which you want to deploy Cisco JVDI Client.

Step 10 Specify the MSI file.

Step 11 Right-click the group policy object in the left section and then select **Edit**.

The Group Policy Management Editor opens.

Step 12 Select **Computer Configuration** and then select **Policies** > **Software Settings**.

Step 13 Right-click **Software Installation** and then select **New** > **Package**.

Step 14 Next to **File Name**, enter the location of the MSI file.

Example:

```
\\server\software_distribution
```

Important Enter the Uniform Naming Convention (UNC) path for the location of the MSI file. If you do not enter the UNC path, Group Policy cannot deploy Cisco JVDI Client.

Step 15 Select the MSI file, and then select **Open**.

Step 16 In the **Deploy Software** dialog box, select **Assigned**, and then select **OK**.