



Cisco VVB Upgrade

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Cisco VVB Upgrade Types

Before You Begin

To upgrade from Cisco VVB 11.5(1) to 11.6(1):

- Ensure that there are no hostname/IP address entries beyond the system entries. If you do, then back up these hostname/IP address entries by running **show vvb host-to-ip** command. You can delete the hostname/IP address by running **utils vvb delete host-to-ip** command.



Note Add the hostname/IP address entries after upgrade and switch version are successful by running **utils vvb add host-to-ip** command.

- Check the 11.5 VVB OVA HDD profile using the CLI command: **show hardware**
 - If the VVB profile uses 1x146 GB HDD space, then apply the mandatory ES ([ciscovb.1151.ES01.27.cop.sgn](#)) before upgrading the VVB instance to 11.6.
 - If the VVB profile uses 2x146 GB HDD space, then a direct upgrade to 11.6 is not possible. Re-install VVB 11.6 on the VM, update any required settings using the VVB admin interface, and push the required applications from OAMP.
- Rename **Bootable_UCSInstall_VVB_11_6_1_UCOS_11.6.1.10000-14.sgn.iso** file to **UCSInstall_VVB_11_6_1_UCOS_11.6.1.10000-14.sgn.iso**.

Upgrade files are available as ISO images.

**Important**

From Release 11.6, VVB is available in two release ISOs: the VVB export restricted software image and the VVB export unrestricted software image. The export unrestricted image does not support SRTP voice media. An upgrade from one release ISO to the other is not possible.

You can upgrade Cisco VVB from:

- Cisco OS Administration web interface
- Command Line Interface (CLI)

You can apply the ISO images from:

- Local DVD
- FTP/SFTP server

For information about supported upgrades, see *Compatibility Matrix for Cisco VVB* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-device-support-tables-list.html>.

**Note**

Local DVD option is not available for upgrading Cisco VVB on KVM.

To apply ES, follow the same procedure as Cisco VVB upgrade.

Upgrade Type	Upgrade Path	Description
Release to Release	11.5(1) to 11.6(1)	There is service interruption during the upgrade and subsequent server restart.

Cisco VVB Upgrade Types

Before You Begin

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**Note**

Add the hostname/IP address entries after upgrade and switch version are successful by running **utils vvb add host-to-ip** command.

- Check the 11.6 VVB OVA HDD profile using the CLI command: **show hardware**
- Ensure that you change the CPU resource allocation as mentioned in the *Virtualization for Cisco Virtualized Voice Browser* at https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/uc_system/virtualization/virtualization-cisco-virtualized-voice-browser.html.

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**Note**

Local DVD option is not available for upgrading Cisco VVB on KVM.

To apply ES, follow the same procedure as Cisco VVB upgrade.

Upgrade Type	Upgrade Path	Description
Release to Release	11.6(1) to 12.0(1)	There is service interruption during the upgrade and subsequent server restart.

Important Information

- You may experience a delay of approximately 30 minutes for the services to start during the first restart of the Cisco VVB system post the switch version. This is due to the application of Security policies post upgrade. This delay will not appear in subsequent restarts.
- It takes approximately 2 hours to upgrade.
- Cisco VVB versions include a feature in the VMware Installation information line to indicate whether the disk partitions are aligned. If the disk partitions are aligned, the VMware installation information line will indicate `Partitions aligned`. After upgrading, if the VMware installation information line indicates `ERROR-UNSUPPORTED: Partitions unaligned`, it means Cisco cannot provide support for performance issues.

Preupgrade Tasks

- Step 1** Ensure that you have the Secure File Transfer Protocol (SFTP) server product.
- Step 2** Obtain the appropriate ISO file from <https://software.cisco.com/download/home>.
- Step 3** Get an ISO image of the upgrade file and follow the steps:
- Write the ISO image on a DVD. Do not copy the ISO file to a DVD.
 - Copy the ISO image on an FTP/SFTP server on which your server has access.
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Cisco VVB Upgrade

Upgrade Cisco VVB Using Web Interface

You can upgrade Cisco VVB either from a local DVD or from a FTP/SFTP server.

- Step 1** Log in to **Cisco OS Administration** using administrator username and password.
- Step 2** Choose **Software Upgrades > Install/Upgrade**.
- Step 3** Choose source as either **DVD/CD** or **Remote Filesystem** from the **Source** list.
- Step 4** Enter the path of the upgrade file in the **Directory** field. For **Remote Filesystem**, enter a forward slash (/) followed by the directory path.
- Step 5** If you chose **Remote Filesystem**, follow the instructions on the screen; otherwise, skip to **Step 6**.
- Step 6** Click **Next** to see the list of upgrades that are available.
- Step 7** Choose the appropriate upgrade file, and click **Next**.
- Step 8** Enter relevant information in the **Email Destination** and **SMTP server** fields to use the Email Notification feature.
- Step 9** Click **Next** to initiate the upgrade process.

Note Perform switch version in the same maintenance window to avoid additional downtime.

Upgrade Cisco VVB Using CLI

- Step 1** Log in to Cisco Unified Communications OS Platform CLI using administrator username and password.
- Step 2** Enter the command **show version active** and check the current version.
- Step 3** Enter the command **utils system upgrade status** and check whether the node is ready for upgrade.
- Step 4** Enter the command **utils system upgrade initiate** to initiate the upgrade process.
- Step 5** Choose the source where the upgrade file is placed.
- Step 6** Follow the instructions on the screen.

Your entries are validated and the list of available files is displayed.

Step 7 Select the ISO image you want to apply from the available list, and confirm the installation when you are prompted.

Step 8 Enter the command **show version active** and check the upgrade version.

Note Perform switch version in the same maintenance window to avoid additional downtime.

Switch Version and Verify

This procedure provides information to switch versions, verify active versions and status of services either by using the web interface or using the CLI.

Step 1 To perform switch version, you can either use web interface or CLI.

- Follow the steps for web interface:

- a. Log in to **Cisco Unified OS Administration** using administrator username and password.
- b. Choose **Settings > Version** to check the versions.
- c. Click **Switch Versions**, and click **OK** to start the switch version process.
- d. Choose **Settings > Version** to check the active version.

Note The time taken for switching version depends on the size of records in the database.

- Follow the steps for CLI:

- a. Log in to Cisco Unified Communications OS Platform CLI using administrator username and password.
- b. Enter the command **show version active** to check the active version.
- c. Enter the command **show version inactive** to check the inactive version.
- d. Enter the command **utils system switch-version** to start the switch version process.
- e. Enter the command **show version active** to check the active version.

Note The time taken for switching version depends on the size of records in the database.

Note If switch version is unsuccessful, you can restore the database by following these steps:

- a. Log in to Cisco Unified Communications OS Platform CLI using administrator username and password.
- b. Enter the command **utils vvb switch-version db-check** to check if the database is corrupt.
- c. Enter the command **utils vvb switch-version db-recover** to restore the database.

Step 2 To verify the active and inactive versions of Cisco VVB, you can use either the web interface or the CLI.

- Follow the steps for web interface:

- a. Log in to **Cisco Unified OS Administration** using administrator username and password.
- b. Choose **Settings > Version** to check the current active and inactive versions.
- Follow the steps for CLI:
 - a. Log in to Cisco Unified Communications OS Platform CLI using administrator username and password.
 - b. Enter the command **show version active** to check the active version.
 - c. Enter the command **show version inactive** to check the inactive version.

Step 3 To verify the status of services, you can use either the web interface or the CLI.

- Follow the steps for web interface:
 - a. Log in to **Cisco VVB Serviceability** using administrator username and password.
 - b. Choose **Tools > Control Center - Network Services** and verify that all the services are running.
 - Follow the steps for CLI:
 - a. Log in to Cisco Unified Communications OS Platform CLI using administrator username and password.
 - b. Enter the command **utils service list** to verify that all the services are running.
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Postupgrade Tasks

You must update the VMWare Tools after you complete and upgrade. There are options for updating the VMware Tools:

- Configure the tools to use the **Automatic Tools Upgrade** option.
- Configure the tool to automatically check the tools version during a VM power on and upgrade the tools

For more information about how to configure the options, see the VMware documentation [here](#).

Disaster Recovery Service

Disaster Recovery Service is not supported for Cisco VVB. Ignore the warning message alert on the Cisco Unified OS Administration login page.