Cisco VVB Upgrade

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Cisco VVB Upgrade Types

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

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

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

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 90 minutes 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

Procedure

Step 1 Ensure that you have the Secure File Transfer Protocol (SFTP) server product.

Step 2 Obtain the appropriate ISO file from `https://www.cisco.com`.

Step 3 Create an ISO image of the upgrade file and follow the steps:

a) Write the ISO image on a DVD. Do not copy the ISO file to a DVD.

b) Copy the ISO image on an FTP/SFTP server on which your server has access.

Cisco VVB Upgrade

The following table lists the required tasks to upgrade the Cisco VVB from $11.0.x_1$ to $11.0.x_2$:

Sequence	Task
1	Upgrade Cisco VVB Using Web Interface, on page 3 or Upgrade Cisco VVB Using CLI, on page 3.
2	Switch Version and Verify, on page 4.

Note Cisco VVB upgrade is not supported from 11.0(1) to 11.5(1) and subsequent versions. For 11.5(1), do a fresh install Cisco VVB using the latest OVA.

Upgrade Cisco VVB Using Web Interface

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

Procedure

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

Procedure

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 that 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.

Procedure

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

- Follow the steps for web interface:

  1. Log in to **Cisco Unified OS Administration** using administrator username and password.
  2. Choose **Settings** > **Version** to check the versions.
  3. Click **Switch Versions**, and click **OK** to start the switch version process.
  4. Choose **Settings** > **Version** to check the active version.

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

- Follow the steps for CLI:

  1. Log in to Cisco Unified Communications OS Platform CLI using administrator username and password.
  2. Enter the command **show version active** to check the active version.
  3. Enter the command **show version inactive** to check the inactive version.
  4. Enter the command **utils system switch-version** to start the switch version process.
  5. Enter the command **show version active** to check the active version.

     Note The time taken for switch 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:

1. Log in to Cisco Unified Communications OS Platform CLI using administrator username and password.
2. Enter the command **utils vvb switch-version db-check** to check if the database is corrupt.
3. 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 either use web interface or CLI.

- Follow the steps for web interface:

  1. Log in to **Cisco Unified OS Administration** using administrator username and password.
  2. Choose **Settings** > **Version** to check the current active and inactive versions.

- Follow the steps for CLI:

  1. Log in to Cisco Unified Communications OS Platform CLI using administrator username and password.

2. Enter the command **show version active** to check the active version.
3. Enter the command **show version inactive** to check the inactive version.

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

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