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Installation and Upgrade Guide for Cisco Virtualized Voice Browser, Release 12.5(1)

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Americas Headquarters

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Preface

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Change History

This table lists changes made to this guide. Most recent changes appear at the top.

Change	See	Date
As part of CSCwh08284 added CLI commands for disaster recovery not supported in VVB.	Cisco VVB Upgrade	August 2023
Initial Release of Document for Release 12.5(1) SU1		October 2022
Added intructions to install Cisco VVB 12.5(1) SU1	Cisco VVB Installation	
Added intructions to upgrade Cisco VVB 12.5(1) to Cisco VVB 12.5(1) SU1	Cisco VVB Upgrade	
Initial Release of Document for R	Release 12.5(1)	January 2020
Added task list for upgrading from Cisco VVB, Release 12.0(1) to Cisco VVB, Release 12.5(1)	Cisco VVB Upgrade	

About This Guide

This document explains how to install Cisco Virtualized Voice Browser (Cisco VVB) in a Contact Center deployment. Review all the installation instructions carefully before you install Cisco VVB.

Audience

This guide is intended for administrators who install and upgrade Cisco VVB.

Related Documents

Cisco VVB provides the following documentation:

- Solution Design Guide for Cisco Unified Customer Voice Portal
- Configuration Guide for Cisco Unified Customer Voice Portal
- Solution Port Utilization Guide for Cisco Virtualized Voice Browser
- Operations Guide for Cisco Virtualized Voice Browser
- Developer Guide for Cisco Virtualized Voice Browser

Communications, Services, and Additional Information

- To receive timely, relevant information from Cisco, sign up at Cisco Profile Manager.
- To get the business impact you're looking for with the technologies that matter, visit Cisco Services.
- To submit a service request, visit Cisco Support.
- To discover and browse secure, validated enterprise-class apps, products, solutions and services, visit Cisco Marketplace.
- To obtain general networking, training, and certification titles, visit Cisco Press.
- To find warranty information for a specific product or product family, access Cisco Warranty Finder.

Cisco Bug Search Tool

Cisco Bug Search Tool (BST) is a web-based tool that acts as a gateway to the Cisco bug tracking system that maintains a comprehensive list of defects and vulnerabilities in Cisco products and software. BST provides you with detailed defect information about your products and software.

Documentation Feedback

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CHAPIEK

Cisco VVB Installation



Note

Cisco VVB does not support clustering. Therefore, you may ignore any message on the Cisco VVB Admin UI/CLI that refers to cluster, publisher, subscriber, etc.

- System Requirements, on page 1
- Create a Virtual Machine from the OVA, on page 2
- Configure DNS Server, on page 2
- Mount ISO Files, on page 2
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System Requirements



Note

Cisco Virtualized Voice Browser (Cisco VVB) supports installation on virtualized servers. For more information on system requirements and Open Virtualization Archive (OVA), see 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.

Supported Browsers

See *Compatibility Matrix* at https://www.cisco.com/c/en/us/support/customer-collaboration/ unified-contact-center-enterprise/products-device-support-tables-list.html.

Create a Virtual Machine from the OVA

Step 1 Step 2 Step 3	Select the host in the vSphere client. Choose File > Deploy OVF Template . Browse to the location on your local drive where you stored the OVA.		
	Note	For Cisco VVB OVA, an End User License Agreement displays. Click Agree and then click Next.	
Step 4	On the Sele machine.	ct a name and folder page, enter a name for the virtual machine and then choose the location for the virtual	
	The name can contain up to 32 characters. Invalid characters are space and special characters.		
Step 5	Click Next .		
Step 6	On the Select a compute resource page, select the destination compute resource. Click Next.		
Step 7	On the Review details page, verify the OVF template details.		
Step 8	On the Configuration page, select the applicable configuration from the available list. Click Next.		
Step 9	On the Select storage page, ensure that the virtual disk format is Thick provision Lazy Zeroed and then choose a datastore on which you want to deploy the new virtual machine. Click Next.		
Step 10	On the Network Mapping page, select the appropriate network from the Destination drop-down list.		
Step 11	On the Rea	dy to complete page, click Finish to create the VM.	
	Note	Do not make any changes to the VM configurations once the VMs are created.	

Configure DNS Server

This procedure is for Windows DNS server.



If the deployment uses host files in addition to DNS, use FQDNs in the host file. Live Data requires FQDNs in order to work properly.

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Note

If the deployment uses host files in addition to DNS, use FQDNs in the host file. Live Data and single sign-on (SSO) require FQDNs in order to work properly.

Mount ISO Files

Upload ISO image to data store:

- 1. Select the host in the vSphere client and click Configuration. Then click Storage in the left panel.
- 2. Select the datastore that will hold the ISO file.
- 3. Right click and select Browse datastore.
- 4. Click the Upload icon and select Upload file.
- **5.** Browse to the location on your local drive where you saved the ISO file, and upload the ISO to the datastore.

Mount the ISO image:

- 1. Right-click the VM in the vSphere client and select Edit virtual machine settings.
- 2. Click Hardware and select CD|DVD Drive 1.
- 3. Check Connect at power on (Device status panel upper right).
- 4. Click the Datastore ISO File radio button and then click Browse.
- 5. Navigate to the data store where you uploaded the file.
- 6. Select the ISO file and click OK.

Install Cisco VVB

Before you begin

Perform the following tasks before installation:

- Ensure the Network Time Protocol (NTP) and DNS servers are running (mandatory for VMware deployments).
- Download the Cisco VVB ISO image and OVA template.
- Deploy virtual machine using the OVA template.
- **Step 1** Mount the ISO image on the virtual machine.
- **Step 2** The installer checks the integrity of the ISO image before beginning the installation. Click **Yes** to perform a media check.
 - If the media integrity check fails, the ISO might be corrupted. Download another ISO image and reinstall.
 - If the media integrity check is successful, click OK to proceed with the installation.
- **Step 3** Follow the instructions on the screen to complete the installation. Enter the basic configuration information as described in Server Configuration Information for Installation, on page 4.

- When the **Apply Patch** window appears, click **No** to begin the basic installation. Installation may take 2-3 hours to complete.
 - When installation is in progress, the window becomes blank but the **Ctrl+Alt+Delete** option is enabled. In such a scenario, do not press **Ctrl+Alt+Delete** because this stops the installation and reboots the system.

Server Configuration Information for Installation

- You can use the configuration table for saving your entries either on a printed paper or online.
- Ensure the hostname and passwords that you enter while running the installation program are case-sensitive.
- Per security guidelines, limit the validity of the generated or the requested SSL certificates to 2-3 years or shorter.

Table 1: Configuration Table

Parameter		Your Entry
Time Z	one	
NIC Du	plex	
Note	This parameter is not displayed if automatic negotiation is used.	
NIC Sp	eed	
Note	This parameter is not displayed if automatic negotiation is used.	
MTU S	ize	
Note	Maximum Transmission Unit (MTU) value of the server.	
Hostna	me	
Тір	Ensure that the hostname is assigned on the DNS server. The hostname must contain only alphanumeric characters or hyphen. It cannot be "localhost" or an IP address.	
IP Add	ress	

Note

Parameter		Your Entry	
IP Mask			
Gateway Address			
[Optional]	Primary DNS		
[Optional]	Secondary DNS (optional)		
[Optional]	Domain		
Administra	ator ID		
Note	You <i>cannot</i> change the original administrator account user ID.		
Caution	Do not create administrator IDs (for CLI access or Operating System administration) that start with "vvb" or "VVB" because such IDs conflict with system account names that are used internally within the Cisco Virtualized Voice Browser server.		
Administra	ator Password		
Note	This field specifies the password for the administrator account, which you can use for secure shell access to the CLI and for logging into Cisco Unified Communications Operating System Administration. Ensure that the password is at least six characters long; it can contain alphanumeric characters, hyphens, and underscores.		
	You can change the password after installation.		
Unit			
Note	The value you enter is used to generate a Certificate Signing Request.		
Location			
State			
Note	The value you enter is used to generate a Certificate Signing Request.		
Country			
Note	The value that you enter is used to generate a Certificate Signing Request and self-signed certificates.		

Parameter		Your Entry		
NTP Ser	ver			
Note	Enter the hostname or IP address of one or more Network Time Protocol (NTP) servers with which you want to synchronize.			
	You can enter up to 5 NTP servers.			
	You can change the NTP server after installation.			
Security	Password			
Note	This password is used to reset your application password. The password must contain at least six alphanumeric characters. It can contain hyphens and underscores, but it must start with an alphanumeric character.			
	You can change the password after installation by using the following CLI command:			
	set password user security			
SMTP L	ocation			
Note	You must populate this field if you plan to use e-mail notification.			
Applicat	ion User Name			
Note	Use the Application User Name to log in to the Administration Web Portal.			
Applicat	ion User Password			
Note	Use the Application User password as the default password for the application. Ensure that the password is at least six characters long; it can contain alphanumeric characters, hyphens, and underscores.			
	You can change the password after installation.			

Note

If you are testing with the self-signed TLS certificates that are generated as a part of the installation, ensure that you map the CN/SANs on the certificate to the corresponding IP through DNS or hosts file entries.

Post Installation

Note

Use single instance of Web browser to complete the post-installation steps.

Step 1 After the initial installation, open the VVB user interface on a web browser and log in as the configured administrator.

Step 2 Wait for all the components to be activated, and then click **Next**.

- **Step 3** Configure system parameters, and then click **Next**. You can view the status of the VVB setup.
- **Step 4** Close the Web browser and log in again to use VVB.

Unattended Installation

Unattended installation performs installation silently using a configuration file that includes all the input parameters. Use Cisco Unified Communications Answer File Generator to generate answer files for unattended installations of Cisco VVB.

The Answer File Generator supports the following features:

- Allows simultaneous generation and saving of answer files for unattended installation.
- · Provides syntactical validation of data entries.
- Provides online help and documentation.

Step 1 Go to https://www.cisco.com/web/cuc_afg/index.html (Cisco Unified Communications Answer File Generator web page).

- **Step 2** Select the following options:
 - a) Primary Node Installed On as Virtual Machine
 - b) Product as Cisco Virtualized Voice Browser
 - c) Version as 12.5.1

Step 3 Enter the remaining information on Answer File Generator web page and click to generate a configuration file.

- a) Click the Proceed to Download Answer Files button to download the file.
- b) Follow the Download Instructions on the page and click the **Download File** button.
- **Step 4** Save the platformConfig.xml file on your local system.

Perform Unattended Installation Using Answer File

Step 1 Create a floppy drive image adding the Answer file.

- **Step 2** Mount the floppy drive image in VM under the **Floppy Drive 1**.
- **Step 3** Select the **Connect at power-on** option in Floppy Drive 1.
- **Step 4** After you start the VM, the Cisco VVB ISO boots the system and runs platformConfig.xml automatically.

Access Cisco VVB Administration Web Interface

The web pages of the Cisco VVB Administration web interface allow you to configure and manage the Cisco VVB system and its subsystems.

Use the following procedure to navigate to the server and log in to Cisco VVB Administration web interface.

Step 1 Open the Cisco VVB Administration Authentication page from a web browser on any computer on your network and enter the case-sensitive URL in the following format:

https://<servername>/appadmin

Replace *<servername>* with the hostname or IP address of the required Cisco VVB server.

A Security Alert dialog box is displayed.

- **Step 2** On the Cisco Virtualized Voice Browser Administration web page, enter your Cisco VVB username and password.
 - **Note** If you are accessing Cisco VVB for the first time, enter the Application User credentials that you specified during installation of the Cisco VVB.
- Step 3 Click Login.

Access Cisco VVB Serviceability Web Page

Cisco VVB Serviceability is used to view alarm and trace definitions for Cisco VVB services (start, stop, and monitor Cisco VVB Engine activity) and to activate and deactivate services.

Step 1Log in to Cisco Virtualized Voice Browser Administration web page.Step 2From the Navigation drop-down list, select Cisco VVB Serviceability and click GO.
Cisco VVB Serviceability web page is displayed.



Cisco VVB Upgrade

- Cisco VVB Upgrade Types, on page 9
- Important Information, on page 10
- Preupgrade Tasks, on page 10
- Cisco VVB Upgrade, on page 11
- Switch Version and Verify, on page 12
- Postupgrade Tasks, on page 13
- Disaster Recovery Service, on page 14

Cisco VVB Upgrade Types

Before You Begin

• 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 12.0 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.

Upgrade files are available as ISO images.

C)

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	12.0(1) to 12.5(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:
 - a) Copy the ISO image on an FTP/SFTP server on which your server has access.

Cisco VVB Upgrade

The following table lists the tasks to be performed in order to upgrade from Cisco VVB, Release 12.0(1) to Cisco VVB, Release 12.5(1).

Sequence	Task
1	Upgrade Cisco VVB Using Web Interface, on page 11 or Upgrade Cisco VVB Using CLI, on page 11.
2	Switch Version and Verify, on page 12.

- **Note** After the successful upgrade, the Certificate Authoritiess (CAs) that are unapproved by Cisco are removed from the platform trust store. However, you can add them back, if necessary.
 - For information about the list of CAs that Cisco supports, see the Cisco Trusted External Root Bundle here.
 - For information about adding a certificate, see here.

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.

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 and CLI commands from Cisco Voice Operating System (VOS) are not supported in Cisco VVB. Ignore the warning message alert on the Cisco Unified OS Administration login page.



Cisco VVB Installation on KVM

• Install Cisco VVB on KVM, on page 15

Install Cisco VVB on KVM

Before you begin

- Download Cisco VVB OVA template from CCO. Read the OVA's readme file before you create a virtual machine using the OVA.
- For hardware requirements, see https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/uc_system/ virtualization/virtualization-cisco-virtualized-voice-browser.html.

Step 1 Copy the OVA image from FTP/TFTP server to the router by running:

copy ftp harddisk

Example:

Step 2 Install the package by running:

virtual-service install name <name> package <uri:.ova>

Note The package name is case-sensitive.

Example:

```
router# virtual-service install name vvb package harddisk:VV
router# virtual-service install name vvb package harddisk:VVB-12-5-1-ISR4K.ova
Installing package 'harddisk:/VVB-12-5-1-ISR4K.ova' for virtual-service 'vvb'.
Once the install has finished, the VM may be activated.
Use 'show virtual-service list' for progress.
```

router# show virtual-service list System busy installing virtual-service 'vvb'. The request may take several minutes... Installation and Upgrade Guide for Cisco Virtualized Voice Browser, Release 12.5(1) 15 Virtual Service List: Name Status Package Name vvb Installing VVB-12-5-1-ISR4K.ova router#show virtual-service list Virtual Service List: Name Status Package Name _____ ----vvb Installed VVB-12-5-1-ISR4K.ova

Step 3 Configure VirtualPortGroup Interface by running:

interface VirtualPortGroup <interface number>

ip unnumbered <interface type> <interface number>

Example:

```
router# config t
Enter configuration commands, one per line. End with CNTL/Z.
router(config)# interface VirtualPortGroup1
router(config-if)# ip unnumbered GigabitEthernet0/0/0
router(config-if)# end
router# show ip int brief | sec VirtualPortGroup1
VirtualPortGroup1 10.10.10.58 YES unset up up
```

• The virtual-service name is case-sensitive and must match the name given in Step 2.

• The IP address of the router/VirtualPortGroup Interface and the guest/VM must be on the same subnet.

- This VirtualPortGroup1 interface acts as the default gateway for the VM.
- **Step 4** Configure the service by running:

virtual-service <name>

router(config-virt-serv-vnic)#

Example:

```
1. Get into the virtual-service config mode by running:
conf t
<enter>
2. Assign VirtualPortGroup Interface as gateway to connect to guest virtual-service/VM
router# config t
router(config)# virtual-service vvb
router(config-virt-serv)# vnic gateway VirtualPortGroup1
router(config-virt-serv-vnic)# guest ip address 10.10.10.59
```

```
router(config-virt-serv-vnic)#!!! 10.00.000 will be the IP of the VM!!!
router(config-virt-serv-vnic)# exit
vnic gateway VirtualPortGroup <interface number><enter>
```

- The virtual-service name is case-sensitive and must match the name given in Step 2.
 - The IP address of the router/VirtualPortGroup Interface and the guest/VM must be on the same subnet.

Step 5 Add the static IP route for the guest VM instance by running:

ip route <VM IP address> <subnet mask> <VirtualPortGroup Interface>

```
Example:
```

```
router# config t
Enter configuration commands, one per line. End with CNTL/Z.
router(config)# ip route 10.10.10.10 255.255.255.0 VirtualPortGroup1
router(config)#!!!! 10.10.10.10 will be Guest/VM IP !!!!!!
```

- **Note** This is to make sure that the assigned VirtualPortGroup interface is the gateway for only this specific IP address in the network.
- **Step 6** Activate the service by running:

activate

Example:

```
router# config t
Enter configuration commands, one per line. End with CNTL/Z.
router(config) # virtual-service vvb
router(config-virt-serv)# activate
% Activating virtual-service 'vvb', this might take a few minutes. Use 'show virtual-service list'
for progress.
router(config-virt-serv)# end
router# show virtual-service list
System busy activating virtual-service 'vvb'. The request may take several minutes...
Virtual Service List:
Name
                  Status
                                 Package Name
_____
vvb
                   Activating
                                  VVB 12 5 1 ISR4K.ova
router# show virtual-service list
Virtual Service List:
                  Status
Name
                                 Package Name
_____
                                  VVB_12_5_1_ISR4K.ova
vvb
                   Activated
```

Note The virtual-service name is case-sensitive and must match the name given in Step 2.

Step 7 Connect to the virtual service console by running:

virtual-service connect name <name> console

Example:

```
router# virtual-service connect name vvb console
Connected to appliance. Exit using ^c^cc^
Cisco Virtualized Voice Browser <11.x.x>
vvbkvm login:
```

Default credentials: administrator/C!sco123

Note This may take 2-3 minutes to connect to the console.

Step 8 Change the hostname and the IP address by running:

set network hostname

Example:

Host name Change:

Login to administrator

admin:set network hostname ctrl-c: To quit the input. *** WARNING * * * Do not close this window without first canceling the command. This command will automatically restart system services. The command should not be issued during normal operating hours. _____ Note: Please verify that the new hostname is a unique name across the cluster and, if DNS services are utilized, any DNS configuration is completed before proceeding. _____ Security Warning : This operation will regenerate all UCCX Certificates including any third party signed Certificates that have been uploaded. Enter the hostname: vvbkvm Would you like to change the network ip address at this time [yes]: yes Warning: Do not close this window until command finishes. ctrl-c: To quit the input. *** WARNING *** _____ Note: Please verify that the new ip address is unique across the cluster. Enter the ip address:: 10.78.0.00 Enter the ip subnet mask:: 255.255.255.0 Enter the ip address of the gateway:: 10.78.0.1 Hostname: vvbkvm IP Address: 10.78.0.00 Subnet Mask: 255.255.255.0 Gateway: 10.78.0.1 Do you want to continue [yes/no]? yes calling 1 of 8 component notification script: acluster healthcheck.sh calling 2 of 8 component notification script: adpuccx IP HostName change.sh calling 3 of 8 component notification script: ahostname callback.sh Info(0): Processnode query returned using kvmvvb: name _____ kvmvvb updating server table from: 'kvmvvb', to: 'vvbkvm' Rows: 1 updating database, please wait 90 seconds

updating database, please wait 60 seconds updating database, please wait 30 seconds

L

```
calling 4 of 8 component notification script: drf_notify_hostname_change.py
calling 5 of 8 component notification script: hosts_mgr.sh
calling 6 of 8 component notification script: idsLocalPrefsUpdateFile.sh
Going to trigger /usr/bin/python /usr/local/cm/lib/dblupdatefiles-plugin.py -f=vvbkvm,kvmvvb
calling 7 of 8 component notification script: regenerate_all_certs.sh
calling 8 of 8 component notification script: update_idsenv.sh
System services will restart in 1 minute
admin: utils system restart
```

- Changing the hostname fails if the hostname includes any of these wildcard characters: ".", "_", "@", "!", "#", "\$", "%"
 - Engine takes around 5 minutes to be in service after the server comes back up.
 - API and configuration services take around 10 minutes to be in service.

Step 9 Validate Cisco VVB services.

- a) Log in to VVB administrator using appadmin credentials.
- b) Go to Cisco VVB serviceability.
- c) Check if the services are up and running.

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Cisco VVB Uninstallation on KVM

Uninstall Cisco VVB on KVM

Step 1 Deactivate virtual-service from the virtual-service config mode by running:

no activate

Example:

```
router# configure
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with \ensuremath{\texttt{CNTL}/\texttt{Z}} .
router(config)#
router(config) # virtual-service vvb
router(config-virt-serv) # no activate
router(config-virt-serv)# ^Z
router# show virtual-service list
Virtual Service List:
Name
                      Status
                                       Package Name
              _____
                                    _____
                                                             _____
____
                                      VVB_12_5_1_ISR4K.ova
vvb
                 Deactivating
Name
                     Status
                                        Package Name
-----
                     _____
                                                         _____
vvb
                  Deactivated
                                        VVB 12 5 1 ISR4K.ova
Note
         This can take around 5-10 minutes.
In the privileged EXEC mode, run:
virtual-service uninstall name <name>
```

Example:

Step 2

router# virtual-service uninstall name vvb

Note The virtual-service name is case-sensitive and must match the name given in Step 2 of the preceding procedure.

Step 3 To verify the VVB instance was successfully deactivated/uninstalled, run:

a) show log

Example:

```
router# show log
```

```
show log
*Aug 1 08:51:48.845: %VIRT_SERVICE-5-ACTIVATION_STATE: Successfully deactivated virtual service
vvb
*Aug 1 08:52:45.418: %VIRT_SERVICE-5-INSTALL_STATE: Successfully uninstalled virtual service vvb
```

b) show virtual-service list

Example:

```
router# show virtual-service list
Virtual Service List:
```

Note The output of the command must be empty.