

NFVIS installation on supported hardware

Objective

This reference groups information about Install NFVIS on Supported Hardware, including Checkpoints before starting installation, Installation Steps.

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Checkpoints before starting installation

Objective

Supported Hardware.

NFVIS installation prerequisites

1. Supported Hardware
2. NFVIS software installation image from link below:
    - Installation images can be found on software.cisco.com/download/home, search for Enterprise NFV Infrastructure Software, use images from NFV Infrastructure Software for version 26.2.
    - Cisco NFVIS installation images are available as .iso files. Images are digitally signed to ensure cryptographic integrity and authenticity. In addition, all software packages in the image are verified during the install.
    - To know if a downloaded file is safe to install, it is essential to compare the file's checksum before using it. Verifying the checksum helps ensure that the file was not corrupted during network transmission or modified by a malicious third party before you downloaded it.

Install NFVIS

This task installs Cisco NFVIS by configuring boot order, mapping virtual media, and completing the installation process through CIMC. RAID configuration / disk groups must be complete before installing NFVIS. See the Installation Guides of supported calling appliances for supported RAID configurations.

Procedure

Step 1 Log in to CIMC

NFVIS must be installed onto the calling appliance using CIMC and virtual Keyboard Video Mouse (vKVM). Calling appliances do not support installation via other methods from general-purpose servers, such as via USB, removable media or dedicated boot drives.



Warning Warning: if you are doing a reinstall, take a fresh backup of all configured application VMs. A reinstall will erase any previously configured VMs.

a) Ensure your RAID configuration is supported for your calling appliance model/generation. If not, delete any previous virtual drives and reconfigure.
b) Launch CIMC's virtual Keyboard Video Mouse (vKVM) by selecting **Launch KVM** from the CIMC homepage.

   You can choose Java or HTML based KVM. It is recommended to use HTML based KVM. Ensure that the pop-up blocker is disabled as KVM Console will open in a separate window.

c) Use vKVM to mount the NFVIS installation image as virtual media for hardware boot:
d) Select **Virtual Media** and then **Activate Virtual Devices**.
e) Select **Virtual Media** again and then **Map CD/DVD**.

   Browse and select the NFVIS ISO image. Click **Open** and **Map Drive** to mount the image.

f) Select **Virtual Media** again to ensure the NFVIS ISO image is now mapped to CD/DVD.
g) Configure boot order:

   1. From the **CIMC Compute**, select **BIOS**.
   2. Select **Configure Boot Order** and the **Configure Boot Order** dialog box appears.
   3. Select **Advanced**.
   4. The **Add Boot Device** page appears. Select **Add Virtual Media**, and the **Add Virtual Media** dialog box appears.
   5. Enter a name and select **KVM Mapped DVD**. Set state to **Enabled** and order as 1, and **Save Changes**.
   6. The **Add Boot Device** page appears again, select **Add Local HDD**, and **Add Virtual Media** dialog box appears.
   7. Enter a name, set state to **Enabled** and order as 2, and **Save Changes**.
   8. Click **Close**.

Step 2 Power cycle server to start the installation:

a) From CIMC homepage, select **Host Power**.
b) Reboot the server by selecting the **Power Off** option.
c) After the server is down, select the **Power On** option.

When the server reboots, the KVM console automatically installs Cisco NFVIS from the virtual CD/DVD drive. The entire installation might take 30 minutes to one hour to complete.

Step 3 Complete the first login after NFVIS installation.

a) After the installation is complete, wait for the system to reboot automatically from the hard drive.
b) Log into the system when the command prompt NFVIS login is displayed after the reboot.
c) Use admin as the login name and Admin123# as the default password.



Note The system prompts you to change the default password at the first login attempt. You must set a strong password as per the on-screen instructions to proceed with the application. You cannot run API commands or proceed with any tasks unless you change the default password at the first login. The API commands will return 401 unauthorized error if the default password is not reset.

Step 4 Verify the installation using the System API, CLI, or by viewing the system information from the Cisco NFVIS portal:

Table 1: Installation verification

Step	Phase	Description
1	Pre-install	Preparing installation, verifying packages, and detecting hardware.
2	Partitioning	Partitioning disks and preparing storage layout.
3	Package Install	Installing packages with live package counter and progress tracking
4	Configuration	Configuring system during %post --nochroot stage
5	Finalization	Preparing reboot during %post --chroot stage
6	First Boot	Rebooting system and starting NFVIS services