



Cisco Secure Network Server 36x5 Firmware Upgrade Guide

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Overview

This document describes how to upgrade firmware on Cisco Secure Network Server (SNS) 3600 series appliance.



Note We recommend that you gracefully shutdown the ISE services on the Cisco SNS appliance before performing this upgrade.

You can upgrade to Cisco SNS 36x5 firmware release 4.3(2.240107) from the following releases:

- 4.3(2.240077)
- 4.3(2.240053)
- 4.3(2.240009)

The following files are required for this upgrade:

- SNS-36xx-BIOS-4-3-2c_ISE.cap file: BIOS firmware for Cisco SNS 3600 series appliance
- SNS-36xx-HUU-4.3.2.240107_ISE.iso: Host Upgrade Utility (HUU) .iso file for Cisco SNS 3600 series appliance

You must download these files from the [Cisco ISE Software Download](#) site.

For more information about the firmware release 4.3(2.240107), see the [Release Notes for Cisco UCS Rack Server Software, Release 4.3\(2\)](#).

You can upgrade to Cisco SNS 36x5 firmware release 4.3(2.240077) from the following releases:

- 4.3(2.240053)
- 4.3(2.240009)
- 4.3(2.230207)



Note If you are upgrading from firmware release 4.3(2.240053), you can directly perform the HUU ISO upgrade using the SNS-36xx-HUU-4.3.2.240077_ISE.iso. For other releases, you must first upgrade the BIOS firmware using the SNS-36xx-BIOS-4-3-2b_ISE.cap file and then perform the HUU ISO upgrade using the SNS-36xx-HUU-4.3.2.240077_ISE.iso file. You must download these files from the [Cisco ISE Software Download](#) site.

For more information about the firmware release 4.3(2.240077), see the [Release Notes for Cisco UCS Rack Server Software, Release 4.3\(2\)](#).

You can upgrade to Cisco SNS 36x5 firmware release 4.3(2.240053) from the following releases:

- 4.3(2.240009)
- 4.3(2.230207)
- 4.2(3b)

For more information about the firmware release 4.3(2.240053), see the [Release Notes for Cisco UCS Rack Server Software, Release 4.3\(2\)](#).

You can upgrade to Cisco SNS 36x5 firmware release 4.3(2.240009) from the following releases:

- 4.3(2.230207)
- 4.2(3b)
- 4.2(2)
- 4.1(3)
- 4.1(2)
- 4.1(1)
- 4.0(4)



Note

If you are upgrading from firmware release 4.3(2.230207), you can directly perform the Host Upgrade Utility (HUU) ISO upgrade using the SNS-36xx-HUU-4.3.2.240009_ISE.iso file. For other releases, you must first upgrade the BIOS firmware using the SNS-36xx-BIOS-4-3-2a_ISE.cap file and then perform the HUU ISO upgrade using the SNS-36xx-HUU-4.3.2.240009_ISE.iso file. You must download these files from the [Cisco ISE Software Download](#) site.

For more information about the firmware release 4.3(2.240009), see the [Release Notes for Cisco UCS Rack Server Software, Release 4.3\(2\)](#).

You can upgrade to Cisco SNS 36x5 firmware release 4.3(2.230207) from the following releases:

- 4.2(3d)
- 4.2(3b)
- 4.2(2)
- 4.1(3)
- 4.1(2)
- 4.1(1)
- 4.0(4)

You can upgrade to Cisco SNS 36x5 firmware release 4.2(3d) from the following releases:

- 4.2(3b)
- 4.2(1)
- 4.1(3)
- 4.1(2)
- 4.1(1)
- 4.0(4)

You can upgrade to Cisco SNS 36x5 firmware release 4.2(2b) from the following releases:

- 4.1(3m)
- 4.1(3e)

You can upgrade to Cisco SNS 36x5 firmware release 4.1(3b) from the following releases:

- 4.0(1g)
- 4.0(4h)
- 4.0(4m)

For more information, see the [Release Notes for Cisco UCS Rack Server Software, Release 4.1\(3\)](#).

The following files are required for the upgrade:

- SNS-36xx-BIOS-4-x-xx-x_ISE.cap file (BIOS firmware for Cisco SNS 3600 series appliance)
- SNS-36xx-HUU-4.x.xx_ISE.iso (HUU .iso file for Cisco SNS 3600 series appliance)

You must download these files from the [Cisco ISE Software Download](#) site.



Note The screenshots given in this document were taken while upgrading the firmware from 4.0(4m) to 4.1(3b). These screenshots are given for reference purpose only.

Upgrade and Activate the Firmware

You must perform the following steps in the sequence given below to upgrade and activate the firmware:

Procedure

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- Step 1** [Update BIOS Firmware , on page 4](#)
 - Step 2** [Activate BIOS , on page 5](#)
 - Step 3** [Update and Activate other Firmwares using HUU ISO, on page 5](#)
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Note If the BIOS firmware is not upgraded before the HUU ISO upgrade, then the BIOS will not be loaded properly and the boot options will not be displayed.

Update BIOS Firmware

Procedure

-
- Step 1** Check the **BIOS** check box and click **Update**.

Step 2 Click **Install BIOS Firmware Through Browser Client** and select the BIOS image.

Step 3 Click **Install Firmware**.

BIOS is successfully uploaded as the backup version.

Admin / Firmware Management

Refresh | Host Power | Launch KVM | Ping | CIMC Reboot | Locator LED

Firmware Management					
<div>Update Activate</div>					
Component	Running Version	Backup Version	Bootloader Version	Status	Proj
<input type="checkbox"/> BMC	4.0(4m)	4.0(4h)	4.0(4m)	Completed Successfully	
<input type="checkbox"/> BIOS	C220M5.4.0.4q.0_ISE	C220M5.4.1.3e.0_ISE	N/A	Completed Successfully	
<input type="checkbox"/> Cisco 12G Modular Raid Controller with 2GB cache (max 16 drives)	50.1.0-1048	N/A	N/A	N/A	N/A

Activate BIOS

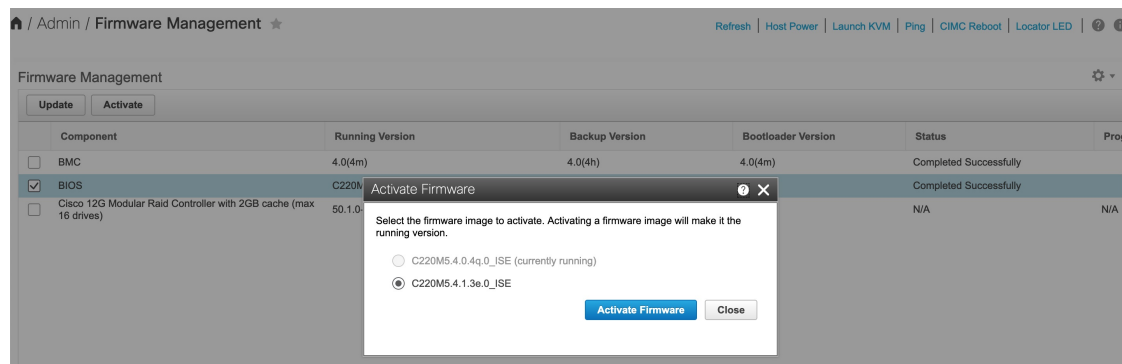
Procedure

Step 1 Choose **Host Power > Power Off** to power off the server manually.

Step 2 Check the **BIOS** check box.

Step 3 Click **Activate**.

Step 4 Choose the BIOS version and click **Activate Firmware**.



Step 5 Choose **Host Power > Power On** after activating the BIOS.

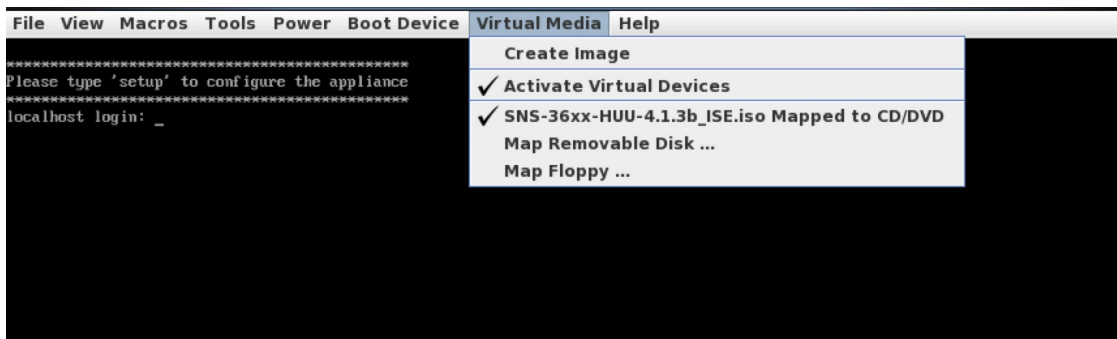
Update and Activate other Firmwares using HUU ISO

Procedure

Step 1 Click **Launch KVM Console** on the toolbar to launch the KVM console.

Step 2 In the KVM console, click **Virtual Media**.

Step 3 Click **Activate Virtual Devices** and then click **Accept this Session**.



- Step 4** Click **Map CD/DVD** and browse for the .iso file.
- Step 5** Click **Map Device**.
- Step 6** Choose **Power > Reset System (Warm Boot)** and press F6 when prompted to open the **Boot Menu** window.
- Step 7** Choose **Cisco vKVM-Mapped vDVD1.22** and press Enter.
The server boots from the selected device.
- Step 8** Read the Cisco End User License Agreement (EULA) and click **Agree** to proceed with the update.
The **Cisco Host Upgrade Utility** window appears with a list of components that are available for update.
- Note**
If you choose the **Disagree** option, the upgrade process is canceled and the host is rebooted.
- Step 9** The system is restarted after the firmware upgrade. Log in back to verify the upgraded firmware versions.

Verify the Firmware Version

Choose **Admin > Firmware Management** and verify the firmware version.

Admin / Firmware Management

Refresh | Host Power | Launch vKVM | Ping | CIMC Reboot | Locator LED

Firmware Management

Update Activate

Component	Running Version	Backup Version	Bootloader Version	Status	Progress
<input type="checkbox"/> BMC	4.1(3b)	4.0(4m)	4.1(3b)	Completed Successfully	
<input type="checkbox"/> BIOS	C220M5.4.1.3e.0_ISE	C220M5.4.0.4q.0_ISE	N/A	Completed Successfully	
<input type="checkbox"/> Cisco 12G Modular Raid Controller with 2GB cache (max 16 drives)	51.10.0-3612	N/A	N/A	N/A	N/A

Choose **Chassis > Inventory > PCI Adapters** and verify the firmware versions.

... / Inventory / PCI Adapters

Refresh | Host Power | Launch vKVM | Ping | CIMC Reboot | Locator LED

CPU | Memory | **PCI Adapters** | Power Supplies | Cisco VIC Adapters | Network Adapters | Storage | TPM | GPU Inventory

Slot ID	Product Name	Option ROM Status	Firmware Version	Vendor ID	Sub Vendor ID	Device ID	Sub Device
1	Intel i350 Quad Port 1Gb Adapter	Not Loaded	0x80000E85-1.819.0	0x8086	0x1137	0x1521	0x00b9
L	Intel X550 LOM	Not Loaded	0x80000EC9-1.819.0	0x8086	0x1137	0x1563	0x01a3
MRAID	Cisco 12G Modular Raid Controller with 2GB cache (m...	Not Loaded	51.10.0-3612	0x1000	0x1137	0x0014	0x020e



Note

Rollback of BMC and BIOS is not recommended while upgrading using the HUU ISO because it might cause compatibility issues.

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