



Cisco Secure Network Server 36x5 Firmware Upgrade Guide

[Overview](#) 2

[Upgrade and Activate the Firmware](#) 4

[Verify the Firmware Version](#) 6

Revised: July 9, 2024

Overview



Note The documentation set for this product strives to use bias-free language. For purposes of this documentation set, bias-free is defined as language that does not imply discrimination based on age, disability, gender, racial identity, ethnic identity, sexual orientation, socioeconomic status, and intersectionality. Exceptions may be present in the documentation due to language that is hardcoded in the user interfaces of the product software, language used based on RFP documentation, or language that is used by a referenced third-party product.

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(2.240053) 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

- Step 1** [Update BIOS Firmware , on page 4](#)
- Step 2** [Activate BIOS , on page 4](#)
- Step 3** [Update and Activate other Firmwares using HUU ISO, on page 5](#)



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.

Home / Admin / Firmware Management [Refresh](#) | [Host Power](#) | [Launch KVM](#) | [Ping](#) | [CIMC Reboot](#) | [Locator LED](#) | ? | 1

Firmware Management ⚙

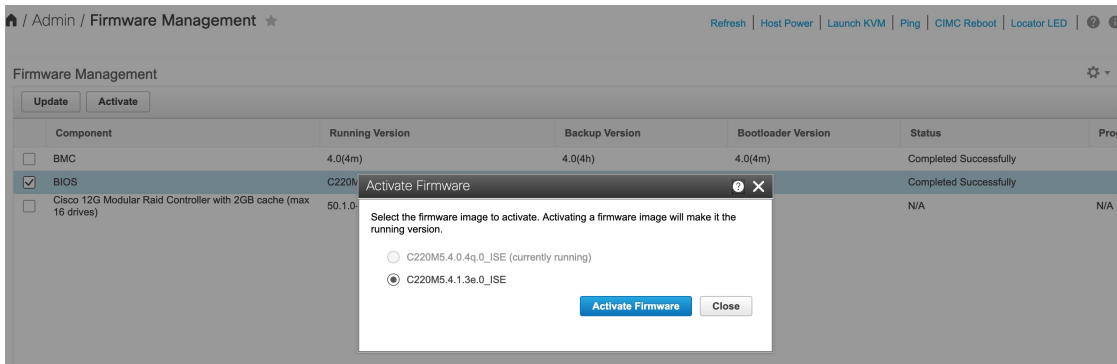
Component	Running Version	Backup Version	Bootloader Version	Status	Pro
<input type="checkbox"/> BMC	4.0(4m)	4.0(4h)	4.0(4m)	Completed Successfully	
<input type="checkbox"/> BIOS	C220M5.4.0.4q.0_ISE	C220M5.4.1.3e.0_ISE	N/A	Completed Successfully	
<input type="checkbox"/> Cisco 12G Modular Raid Controller 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.

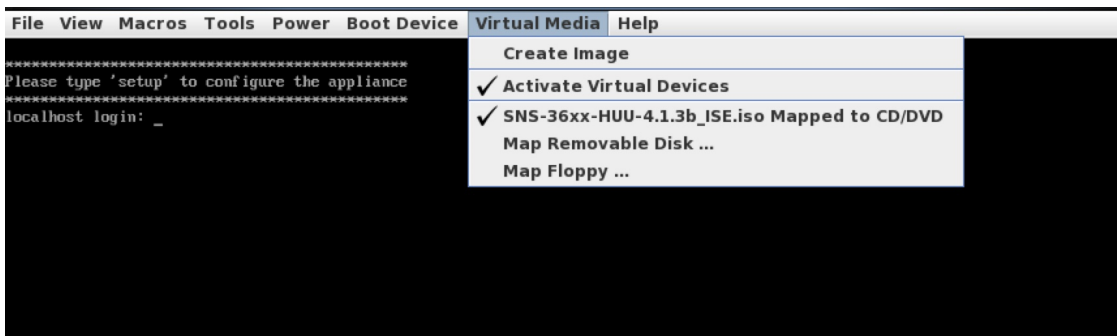
Update and Activate other Firmwares using HUU ISO

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.

Home / Admin / Firmware Management ★ [Refresh](#) | [Host Power](#) | [Launch vKVM](#) | [Ping](#) | [CIMC Reboot](#) | [Locator LED](#) |  

Firmware Management 

Component	Running Version	Backup Version	Bootloader Version	Status	Pro
<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.

Home / ... / Inventory / PCI Adapters ★ [Refresh](#) | [Host Power](#) | [Launch vKVM](#) | [Ping](#) | [CIMC Reboot](#) | [Locator LED](#) |  

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	0x80000EB5-1.819.0	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.

THE SPECIFICATIONS AND INFORMATION REGARDING THE PRODUCTS IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL STATEMENTS, INFORMATION, AND RECOMMENDATIONS IN THIS MANUAL ARE BELIEVED TO BE ACCURATE BUT ARE PRESENTED WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. USERS MUST TAKE FULL RESPONSIBILITY FOR THEIR APPLICATION OF ANY PRODUCTS.

THE SOFTWARE LICENSE AND LIMITED WARRANTY FOR THE ACCOMPANYING PRODUCT ARE SET FORTH IN THE INFORMATION PACKET THAT SHIPPED WITH THE PRODUCT AND ARE INCORPORATED HEREIN BY THIS REFERENCE. IF YOU ARE UNABLE TO LOCATE THE SOFTWARE LICENSE OR LIMITED WARRANTY, CONTACT YOUR CISCO REPRESENTATIVE FOR A COPY.

The Cisco implementation of TCP header compression is an adaptation of a program developed by the University of California, Berkeley (UCB) as part of UCB's public domain version of the UNIX operating system. All rights reserved. Copyright © 1981, Regents of the University of California.

NOTWITHSTANDING ANY OTHER WARRANTY HEREIN, ALL DOCUMENT FILES AND SOFTWARE OF THESE SUPPLIERS ARE PROVIDED "AS IS" WITH ALL FAULTS. CISCO AND THE ABOVE-NAMED SUPPLIERS DISCLAIM ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THOSE OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE.

IN NO EVENT SHALL CISCO OR ITS SUPPLIERS BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS OR LOSS OR DAMAGE TO DATA ARISING OUT OF THE USE OR INABILITY TO USE THIS MANUAL, EVEN IF CISCO OR ITS SUPPLIERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Any Internet Protocol (IP) addresses and phone numbers used in this document are not intended to be actual addresses and phone numbers. Any examples, command display output, network topology diagrams, and other figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses or phone numbers in illustrative content is unintentional and coincidental.

All printed copies and duplicate soft copies of this document are considered uncontrolled. See the current online version for the latest version.

Cisco has more than 200 offices worldwide. Addresses and phone numbers are listed on the Cisco website at www.cisco.com/go/offices.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: <https://www.cisco.com/c/en/us/about/legal/trademarks.html>. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1721R)

© 2021 Cisco Systems, Inc. All rights reserved.



Americas Headquarters
Cisco Systems, Inc.
San Jose, CA 95134-1706
USA

Asia Pacific Headquarters
CiscoSystems(USA)Pte.Ltd.
Singapore

Europe Headquarters
CiscoSystemsInternationalBV
Amsterdam,TheNetherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.