

Cisco Secure Network Server 38x5 Firmware Upgrade Guide

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Overview

This document describes how to upgrade the firmware on a Cisco Secure Network Server (Cisco SNS) 3800 series appliance.

Note We recommend that you perform a graceful shutdown of the Cisco ISE services on the Cisco SNS appliance by using the **halt** CLI command before performing this upgrade. A forced shutdown or reload of the Cisco SNS server may corrupt the Cisco ISE database.

Upgrade to Cisco SNS 38x5 Firmware Release 6.0(2.260180)

You can upgrade to Cisco SNS 38x5 firmware release 6.0(2.260180) from these releases:

- 6.0 (2.260143)
- 6.0(2.260044)
- 6.0(1.250192)
- 6.0(1.250174)
- 6.0(1.250127)
- 4.3(5.250001)

These files are required for this upgrade:

- SNS-38xx-BIOS-6-0-2c_ISE.pkg file: BIOS firmware for Cisco SNS 3800 series appliance.
- SNS-38xx-HUU-6.0.2.260180_ISE.iso: Host Upgrade Utility (HUU) ISO file for Cisco SNS 3800 Series appliances.

Note Before you upgrade the HUU ISO, upgrade the BIOS firmware using SNS-38xx-BIOS-6-0-2c_ISE.pkg. The HUU bundle includes the same BIOS version as the earlier 6.0(2.260143) release.

Important The SNS-38xx-BIOS-6-0-2c_ISE.pkg file has been reuploaded to the Cisco Software Download page. Download and use the latest version of this file to avoid issues during the BIOS firmware upgrade. This version includes the fix for CSCww64952.

For more information about the firmware release 6.0(2.260180), refer to the Release Notes for Cisco UCS Rack Server Software, Release 6.0(2).

Upgrade to Cisco SNS 38x5 Firmware Release 6.0(2.260143)

You can upgrade to Cisco SNS 38x5 firmware release 6.0(2.260143) from these releases:

- 6.0(2.260044)

- 6.0(1.250192)
- 6.0(1.250174)
- 6.0(1.250127)
- 4.3(5.250001)

These files are required for this upgrade:

- SNS-38xx-BIOS-6-0-2c_ISE.pkg file: BIOS firmware for Cisco SNS 3800 series appliance.
- SNS-38xx-HUU-6.0.2.260143_ISE.iso: HUU ISO file for Cisco SNS 3800 series appliance.



Important The SNS-38xx-BIOS-6-0-2c_ISE.pkg file has been reuploaded to the Cisco Software Download page. Download and use the latest version of this file to avoid issues during the BIOS firmware upgrade. This version includes the fix for CSCww64952.

For more information about the firmware release 6.0(2.260143), refer to the Release Notes for Cisco UCS Rack Server Software, Release 6.0(2).

Upgrade to Cisco SNS 38x5 firmware release 6.0(2.260044)

You can upgrade to Cisco SNS 38x5 firmware release 6.0(2.260044) from these releases:

- 6.0(1.250192)
- 6.0(1.250174)
- 6.0(1.250127)
- 4.3(5.250001)

These files are required for this upgrade:

- SNS-38xx-BIOS-6-0-2a_ISE.pkg file: BIOS firmware for Cisco SNS 3800 series appliance.
- SNS-38xx-HUU-6.0.2.260044_ISE.iso: HUU ISO file for Cisco SNS 3800 series appliance.

For more information about the firmware release 6.0(2.260044), refer to the Release Notes for Cisco UCS Rack Server Software, Release 6.0(2).

Upgrade to Cisco SNS 38x5 firmware release 6.0(1.250192)

You can upgrade to Cisco SNS 38x5 firmware release 6.0(1.250192) from these releases:

- 6.0(1.250174)
- 6.0(1.250127)
- 4.3(5.250001)

These files are required for this upgrade:

- SNS-38xx-BIOS-6-0-1b_ISE.pkg file: BIOS firmware for Cisco SNS 3800 series appliance.
- SNS-38xx-HUU-6.0.1.250192_ISE.iso: HUU ISO file for Cisco SNS 3800 series appliance.

For more information about the firmware release 6.0(1.250192), refer to the Release Notes for Cisco UCS Rack Server Software, Release 6.0(1).

Upgrade to Cisco SNS 38x5 firmware release 6.0(1.250174)

You can upgrade to Cisco SNS 38x5 firmware release 6.0(1.250174) from these releases:

- 6.0(1.250127)
- 4.3(5.250001)

These files are required for this upgrade:

- SNS-38xx-BIOS-6-0-1b_ISE.pkg file: BIOS firmware for Cisco SNS 3800 series appliance.
- SNS-38xx-HUU-6.0.1.250174_ISE.iso: HUU ISO file for Cisco SNS 3800 series appliance.

For more information about the firmware release 6.0(1.250174), refer to the Release Notes for Cisco UCS Rack Server Software, Release 6.0(1).

Upgrade to Cisco SNS 38x5 firmware release 6.0(1.250127)

You can upgrade to Cisco SNS 38x5 firmware release 6.0(1.250127) from firmware release 4.3(5.250001).

These files are required for this upgrade:

- SNS-38xx-BIOS-6-0-1a_ISE.pkg: BIOS firmware for Cisco SNS 3800 series appliance.
- SNS-38xx-HUU-6.0.1.250127_ISE.iso: HUU ISO file for Cisco SNS 3800 series appliance.

For more information about the firmware release 6.0(1.250127), refer to the Release Notes for Cisco UCS Rack Server Software, Release 6.0(1).

Upgrade and activate the firmware

Important You must perform these steps in the same sequence to upgrade and activate the firmware. 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.

Procedure

Step 1 Update BIOS firmware, on page 5.

Step 2 Activate BIOS, on page 5.

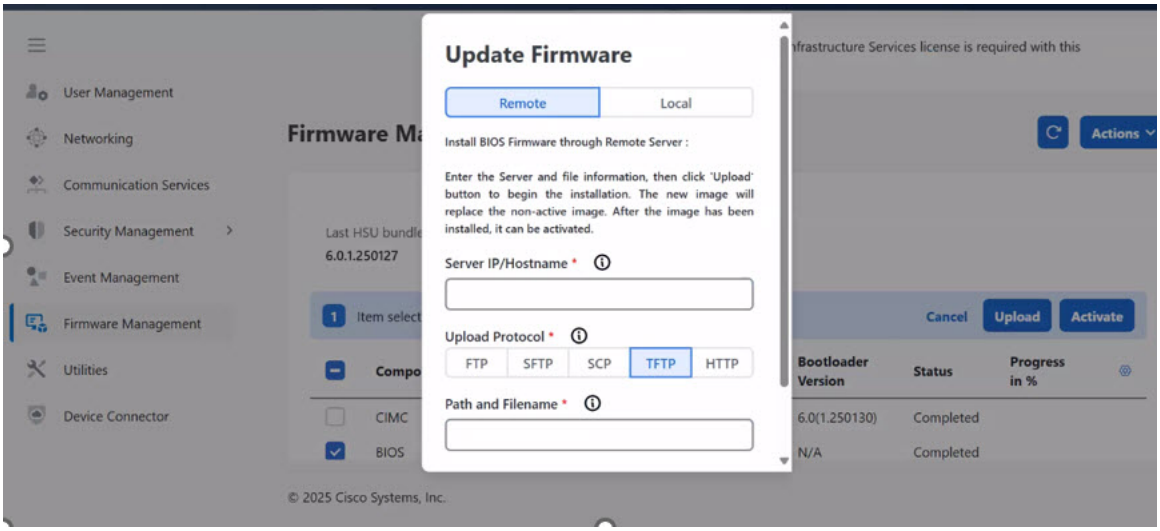
Step 3 Update and activate other firmwares using HUU ISO, on page 6.

Update BIOS firmware

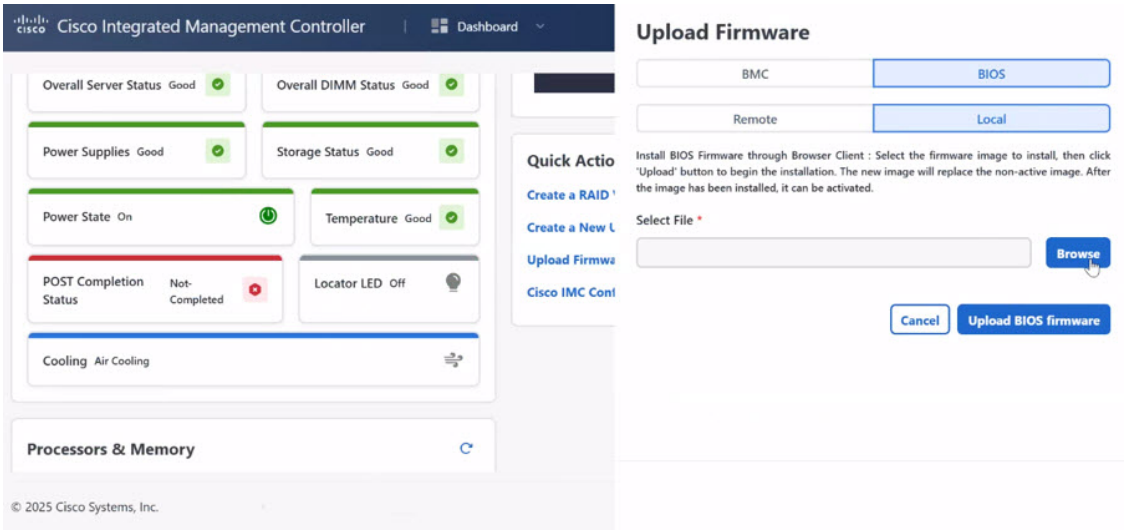
Procedure

Step 1 Choose **Dashboard > Administration > Firmware Management**.

Step 2 Check the **BIOS** check box and click **Upload**.



You can also use the **Upload Firmware** option in the **Quick Actions** section.



Activate BIOS

Before you begin

You must update the BIOS firmware before performing this task.

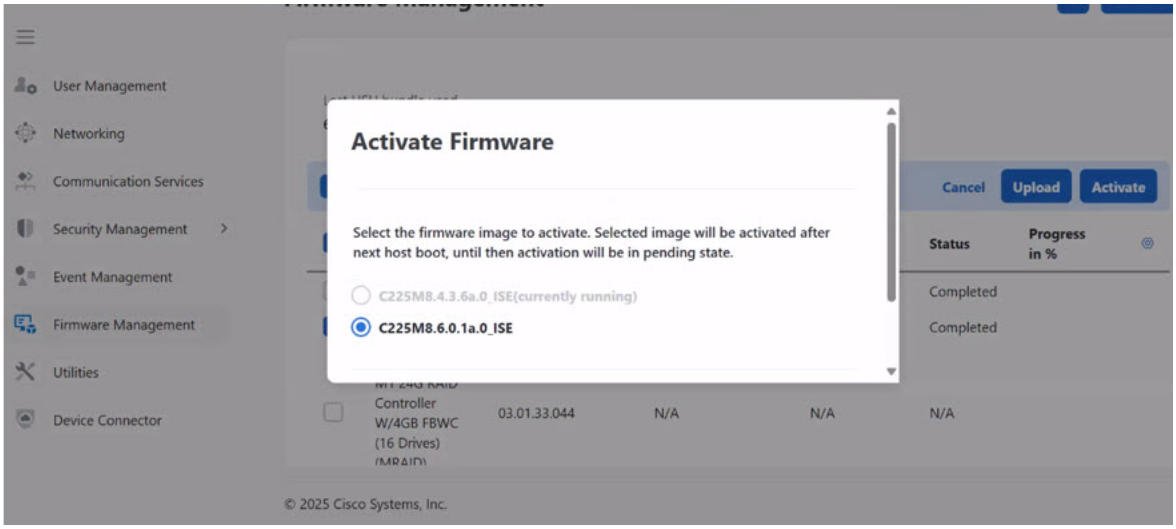
Procedure

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

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

Before you begin

You must complete these steps before performing this task:

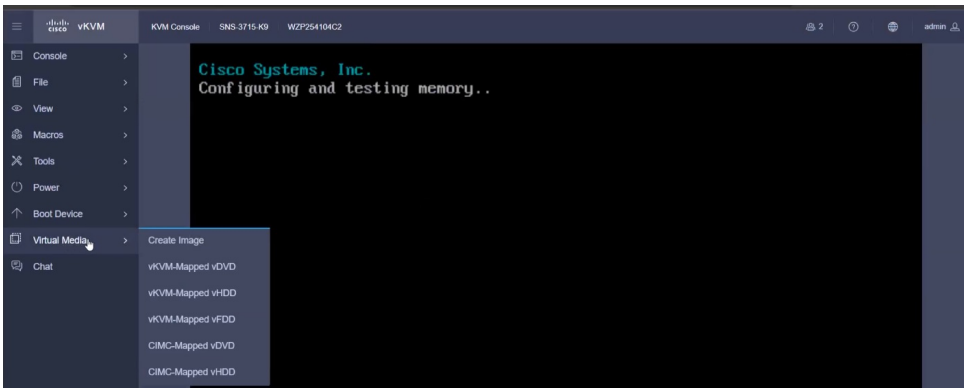
1. Update BIOS firmware.
2. Activate BIOS firmware.

Important 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.

Procedure

Step 1 In the Cisco Integrated Management Controller toolbar, click **Launch vKVM** to launch the KVM console.

Step 2 In the KVM console, choose **Virtual Media** > **vKVM-Mapped vDVD**.

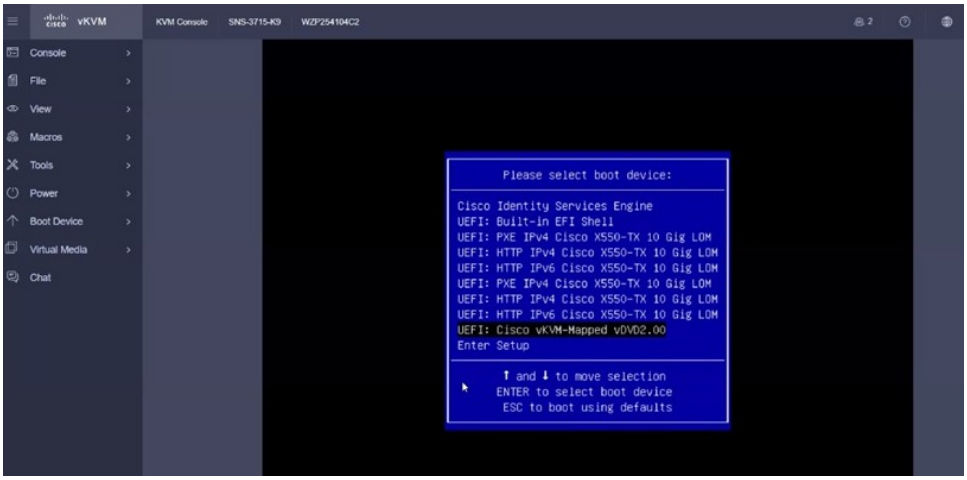


Step 3 Click **Browse** and browse for the HUU .iso file.

Step 4 Click **Map Drive**.

Step 5 Press **F6** when prompted to open the **Boot Menu** window.

Step 6 In the **Boot Menu** window, choose **UEFI: Cisco vKVM-Mapped vDVD2.00**.



Step 7 Read the Cisco Software License Agreement and click **Agree** to proceed with the update.

The **Cisco Host Upgrade Utility** window appears with the list of components that are available for update.

If you choose the **Reject** option, the upgrade process is canceled and the host is rebooted.

Step 8 Click **Update & Activate**.

Step 9 In the **Update & Activate All** window, check the **Power Cycle to Activate** check box and click **Update & Activate**.

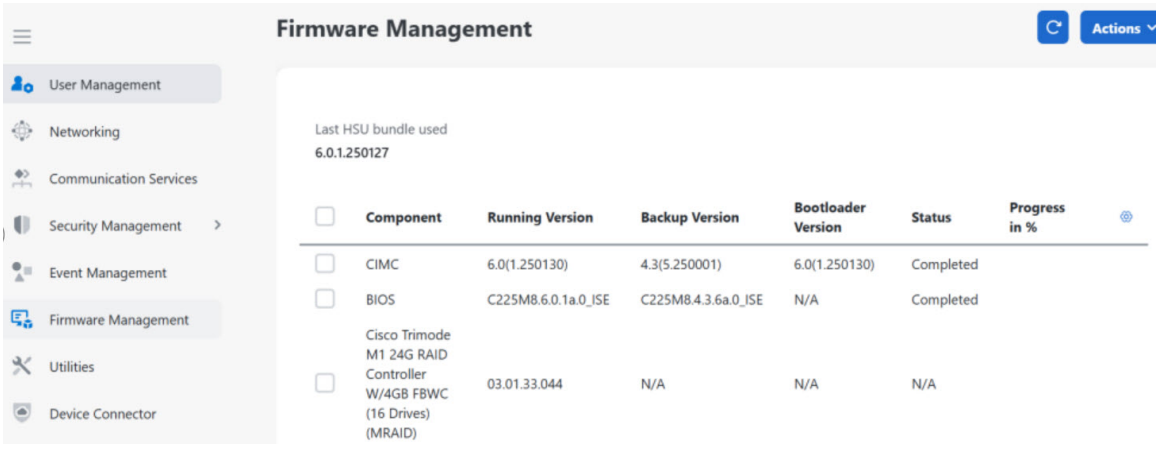
Note BIOS upgrade is skipped during this step because BIOS is already upgraded to the latest version (refer to Update BIOS firmware, on page 5 and Activate BIOS, on page 5).

The system is restarted after the firmware upgrade. Log in back to verify the upgraded firmware versions.

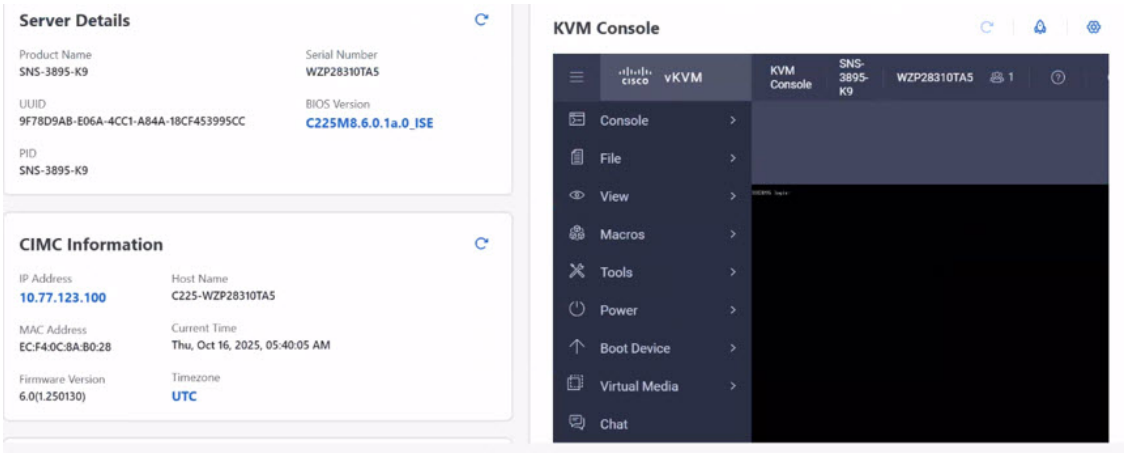
Verify the firmware version

To verify the firmware version:

- Choose **Administration > Firmware Management** and check the upgraded firmware versions in the **Running Version** column.



- Check the **Server Details** section in the home dashboard.



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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