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# Cisco Secure Network Server 37x5 Firmware Upgrade Guide

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# **Overview**

This document describes how to upgrade the firmware on a Cisco Secure Network Server (SNS) 3700 series appliance.



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

#### Upgrade to Cisco SNS 37x5 firmware release 4.3(2.240009)

You can upgrade to Cisco SNS 37x5 firmware release 4.3(2.240009) from the following releases:

- 4.3(2.230207)
- 4.2(3g)
- 4.2(2f)

The following files are required for this upgrade:

- SNS-37xx-BIOS-4-3-2e\_ISE.pkg file: BIOS firmware for Cisco SNS 3700 series appliance
- SNS-37xx-HUU-4.3.2.240009\_ISE.iso: Host Upgrade Utility (HUU) .iso file for Cisco SNS 3700 series appliance

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).

#### Upgrade to Cisco SNS 37x5 firmware release 4.3(2.230207)

You can upgrade to Cisco SNS 37x5 firmware release 4.3(2.230207) from the following releases:

- 4.2(3g)
- 4.2(2f)

The following files are required for this upgrade:

- SNS-37xx-BIOS-4-3-2c\_ISE.pkg file: BIOS firmware for Cisco SNS 3700 series appliance
- SNS-37xx-HUU-4.3.2.230207\_ISE.iso: Host Upgrade Utility (HUU) .iso file for Cisco SNS 3700 series appliance

For more information about the firmware release 4.3(2.230207), see the *Release Notes for Cisco UCS Rack Server Software, Release* 4.3(2).

#### Upgrade to Cisco SNS 37x5 firmware release 4.2(3g)

You can upgrade to Cisco SNS 37x5 firmware release 4.2(3g) from firmware release 4.2(2f). The following files are required for this upgrade:

• SNS-37xx-BIOS-4-2-3c-0\_ISE.pkg file: BIOS firmware for Cisco SNS 3700 series appliance

• SNS-37xx-HUU-4.2.3g\_ISE.iso: Host Upgrade Utility (HUU) .iso file for Cisco SNS 3700 series appliance

For more information about the firmware release 4.2(3g), see the *Release Notes for Cisco UCS Rack Server Software, Release 4.2(3)*. You must download the upgrade files from the Cisco ISE Software Download site.



**Note** The screenshots given in this document were taken while upgrading the firmware from 4.2(2f) to 4.2(3g). These screenshots are only for your reference.

# **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 3
Step 2	Activate BIOS, on page 4
Step 3	Update and Activate other Firmwares using HUU ISO, on page 4



**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.

Firm	ware Management					¢
	odate Activate					
	Component	Running Version	Backup Version	Bootloader Version	Status	Progress
	BMC	4.2(1.288)	4.2(0.100)PP_MFG.MFGONLY	4.2(1.288)	Completed Successfully	
	BIOS	C220M6.4.2.1.152_TEST_2	C220M6.4.2.3c.0_ISE	NA	Completed Successfully	
	Cisco 12G SAS RAID Controller with 4GB FBWC (18 Drivos)	52.19.0.4236	N/A	N/A.	N/A	N/A

#### **Activate BIOS**

#### 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**.

Firm	ware Management						0
	Component	Running	Version	Backup Version	Bootloader Version	Status	Progress
	BMC	4.2(1.28		4 2(0.100)PP_MEG.MEGONLY	4.2(1.288)	Completed Successfully	
	BIOS	C220M6	Activate Firmware		• X	Completed Successfully	
	Crico 120 SAS RAID Cohester with 4GB FBWC (16 Drives)	52 19.0	Select the firmware image to a running version. C22046.4.2.1.152_TE C22046.4.2.3c.0_SE	xclvate, Activating a firmware image will make CST_2 (currently naming) Activate Firmware	Close	NA	NA

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

### Update and Activate other Firmwares using HUU ISO

#### Procedure

Step 1	In the Cisco Integrated Management Controller toolbar, click <b>Launch vKVM</b> 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 7Read 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.NoteIf 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.

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			Update & Activate All	
			<ul> <li>Activative will be triggered for althorhybet comparents and an part of activation, KOM season will be alteremeted.</li> </ul>	
			Please motivers actual KI/M and as regulate ISUS 30 to spitial any other additional between components.	
Virtual Media			Ches montainsh petersig a corpora sever backsp helice uptarey or actualing any mouge store or	
		· ·	propert rannoy treases. Case is set reported for any date tax starting or as a result of treases update or entrom.	
			Entrata Taraya Steen	

**Note** BIOS upgrade is skipped during this step because BIOS is already upgraded to the latest version (see Update BIOS Firmware, on page 3 and Activate BIOS, on page 4).

**Step 10** 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 upgraded firmware versions in the Running Version column.

n / Admin / Firmware Management 🛣					Refresh   Host Power   Laur	tch vKVM   Ping   CIMC Reboot   Li	ocator LED 📗 🔞
	Firmware Management						¢
		Component	Running Version	Backup Version	Bootloader Version	Status	Progress
		BMC	4.2(3g)	4.2(1.288)	4.2(3g)	Completed Successfully	
		BIOS	C220M6 4 2 3c 0_ISE	C220M6.4.2.1.152_TEST_2	N/A	Completed Successfully	
		Cisco 12G SAS RAID Controller with 4GB FBWC (16 Drives)	52.20.0-4523	N/A	N/A	N/A	N/A

Choose **Chassis > Summary** and verify the firmware versions.

ł	I / Chassis / Sum	mary 🖈			Refresh   Host Power   Launch vKVM   Ping   CIMC Reboot   Locator LED
	Server Proper	ties	Cisco Integrated N	lanagement Controlle	r (Cisco IMC) Information
I	Product Name:	SNS-3715-K9	Hostname:	C220-WZP254104C2	
I	Serial Number:	WZP254104C2	IP Address:	10.77.124.56	
I	PID:	SNS-3715-K9	MAC Address:	10 F9:20 E9:1C F0	
I	UUID:	C617818E-4596-46C2-830E-FF674ED5FF31	Firmware Version:	4.2(3g)	
I	BIOS Version:	C220M6.4.2.3c.0_ISE	Current Time (UTC):	Wed Aug 23 06:59:57 2023	
I	Description:		Local Time:	Wed Aug 23 06:59:57 2023 UTC	+0000 (Local)
I	Asset Tag:	Unknown	Timezone:	UTC	Select Timezone
I					
I					

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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