# **Upgrade Infrastructure and Server Firmware in Intersight Managed Mode for Intersight Private Virtual Appliance.**

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# Introduction

This document describes the upgrade process for a UCS domain and server on a Private Virtual Appliance (PVA).

### Prerequisites

#### Requirements

Cisco recommends that you have knowledge of these topics:

- General knowledge and understanding of Intersight Managed Mode (IMM).
- Understanding of Intersight Private Virtual Appliance (PVA).

#### **Components used**

The information in this document is based on these software and hardware versions:

- Cisco UCS 6454 54-Port Fabric Interconnect, Firmware 4.2.3(d)
- Cisco UCS B200 M5 Blade Server, Firmware 4.2.1(a)

The information in this document was created from the devices in a specific lab environment. All the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

### **Background Information**

A Private Virtual Appliance (PVA) is an on-premises version of the Cisco Intersight platform encapsulated in a virtual machine. It provides the same features and benefits as the cloud-based Intersight service, including infrastructure management and automation, but within a private network. This meets the needs of organizations that require a high level of data security, such as those with strict compliance and regulatory requirements.

Software bundle packages for PVA environments are stored in Intersight and are available for download through the Intersight Appliance account.

#### Configure

#### Before you begin

Navigate to this link to set up your account: <u>Creating an Appliance Account.</u> Follow the steps, accept the license agreement, and create an account name for it.

#### **Fabric Interconnect Upgrade**

**Step 1.** Once the Appliance Account it is created, navigate to **Software Downloads > Software Catalog > Firmware**.

Look for the firmware version to want to go to. Click its name.

 $\mathcal{D}$  Tip: Expand the name column to see the model of the device and the version.

E cisco Intersight	System V			Q Search	) ଡ   ନ
	1				
🗄 Software Downloads	Only one user with the Account Administrator role ex recommended to add at least one more Account Administration	ists. To reduce user management, configuration and s inistrator. Go To Users	ecurity risks, it's strongly		
Settings					
🕕 Admin 🗠	Software Downloads				
Audit Logs					
Sassions	Utility) must be downloaded from	Central other softw	vare at Center		
39330013	* All Downloads Appliance HyperFlex UCS Directo	r Firmware © IKS +			
				Export 320 items found 50 ∨ per page .	1 of 7 D 🖂
New Command Palette	Name	Type : Version	: Size	: Description : Release Date	
Navigate Intersight with Ctrl+K or go to Helo > Command Palette	intersight-ucs-server-410c-m7.5.2.0.230092.bin	Firmware 5.2(0.230092)	707.5 MIB	Cisco Intersight Server Bundle Nov 15, 2023	Ŧ
		Firmware 5.2(0.230092)	710.4 MiB	Cisco Intersight Server Bundle Nov 15, 2023	
		Firmware 4.3(2.230129)	1784.3 MiB	Cisco Intersight Infrastructur Nov 15, 2023	
		Firmware 4.3(2.230129)	1743.6 MiB	Cisco Intersight Infrastructur Nov 15, 2023	
		Firmware 5.2(0.230092)	608.8 MIB	Cisco Intersight Server Bundle Nov 15, 2023	
		Firmware 5.2(0.230100)	566.6 MiB	Cisco Intersight Server Bundle Nov 15, 2023	
		Firmware 5.2(0.230100)	583.1 MiB	Cisco Intersight Server Bundle Nov 15, 2023	
		Firmware 5.2(0.230100)	583.1 MiB	Cisco Intersight Server Bundle Nov 15, 2023	
		Firmware 4.3(2.230270)	826.5 MiB	Cisco Intersight Server Bundle Nov 15, 2023	
		Firmware 4.3(2.230270)	805 MIB	Cisco Intersight Server Bundle Nov 15, 2023	
		Firmware 4.3(2.230270)	724.2 MIB	Cisco Intersight Server Bundle Nov 15, 2023	
		Firmware 4.3(2.230270)	712 MiB	Cisco Intersight Server Bundle Nov 15, 2023	

**Step 2.** In the new window, you can see some more detailed information about the package. Ensure this is the one you need. Click the **Download** button. For this example, the Fabric upgrade is for 4.3.2.

≡ dialli Intersight	¶₿ System ∨		Q Search Ø A
Software Downloads       Image: Software Downloads       Image: Software Downloads       Image: Admin	Only one user with the Account Admin recommended to add at least one mon     Software Downloads	strator role exists. To reduce user management, configuration and security risks, it's strongly Account Administrator. Go To Users	×
Audit Logs Sessions New Command Palette Navigate Intersight with Ctri+K or go to Help > Command Palette	Details Name ucs-intersight-infra-4gfi.4.3.2.23012 Type Firmware	-4gfi.4.3.2.230129.bin Information Description Cisco Intersight Infrastructure Bundle	Checksum Information SHA512 bd8366ca014cb4ecaed24789cad0bde116777aed97f8dd043ef1cdffe4533c053577b7
	Version 4.3(2:230129) Size 1743.6 MiB Release Date Nov 15, 2023		MD5 87cd17be14af7281c8c11e157f029c00

**Step 3.** When the download is complete, open a tab in your browser and Log In to your Private Virtual Appliance.

Navigate to Admin > Software Repository > Software Files. In this tab, you can see the list of packages available for upgrade and click Upload Software.

≡	cisco Intersight	ADMIN > Software Repository	Q 🛛 3 🔺 6	ଟ <del>ସ</del>	ා admin යු
	Chassis Fabric Interconnects	Firmware Links Software Files OS Image Links SCU Links OS Configuration	iles		Upload Software
	HyperFlex Clusters		Export 0 ite	ems found 10 🗸 per page 🔣	< 0 of 0 > >   🔅
×	CONFIGURE ^	Name : Description :	Туре	C Version C	Size
	Profiles				
	Templates				
	Policies				K < 0 to 0
	Pools				
ø	ADMIN ^				
	Targets				
	Software Repository				
	Tech Support Bundles				

Step 4. Browse for the package for your Fabric Interconnect and upload it.

≡	cisco Intersight	ADMIN > Software Repository >	Software Files > Upload		₲ ■ 3 ▲ 6	P 4	٩	ා admin යු
	Chassis	至 Progress			Step 1			
	HyperFlex Clusters	1 Upload Software			Upload Softw Upload from local m appliance installatio	are achine or specify th n file.	he path to the	
×	CONFIGURE ^							
	Profiles			<ul> <li>You can down Appliance Po</li> </ul>	nload the required softwortal. To log in to your Pr	vare from your Priv rivate Appliance Ac	ate count,	
	Templates			click here				
	Policies			Local M	achine	Network Sha	re	
	Pools				No File Selected			
ģ	ADMIN ^							
	Targets							
	Software Repository							
	Tech Support Bundles							 
		Cancel						Finish

Step 5. Once it has been mapped, click the Finish button.

≡	cisco Intersight	ADMIN > Software Repository >	Software Files > Upload	Ĺ	♫ ◨ 3 ▲ 6	ß	<b>61</b> 0	.   4	0	0	admin 🔬
	Chassis Fabric Interconnects	⊡ Progress			Step 1						
	HyperFlex Clusters	Upload Software			Upload from loca appliance installa	ware I machine or spe tion file.	ecify the path t	o the			
×	CONFIGURE ^							_			
	Profiles			<ul> <li>You can down Appliance Por</li> </ul>	nload the required so rtal. To log in to you	oftware from you Private Applian	ur Private ice Account,				
	Templates			click here							
	Policies			Local Ma	chine	Netwo	rk Share				
	Pools			Browse	Selected File	ics-intersight-inf	fra-4qfi ©	×			
þ	ADMIN ^										
	Targets										
	Software Repository										
	Tech Support Bundles										
		Cancel								Finis	sh

Step 6. You can see the progress in the icon to the left of the Alert button.

On the Software Files tab, confirm that your downloads are ready to use. Refresh the page if necessary.

≡	cisco Intersight	ADMIN > Software Repository	ଟ୍ଟ ୍ଟ୍ 🗿 🕜 admin 🚨
	Chassis	Firmware Links Software Files OS Image Links SCU Links OS Configuration Files	File Upload ×
	Fabric Interconnects	* All Firmware Links 🐵 +	<ul> <li>ucs-intersight-infra-4gfi.4.3.2.2301 1743.6 MiB 1% Software Repository List</li> </ul>
	HyperFlex Clusters		
×	CONFIGURE ^	File Name : Version : Supported Models File Location	
	Profiles		
	Templates		
	Policies		
	Pools		
ē	ADMIN ^		
	Targets		
	Software Repository		
	Tech Support Bundles		

**Step 7.** Navigate to **Operate > Fabric Interconnects**. Select the device you need to upgrade. Click on any Fabric Interconnect (FI) that belongs to the cluster you need to upgrade.

≡	cisco Intersight	OPERATE > Fabric Interconnects	Q 🖬 3 🔺 6 🛛 🖓 📢	्, 😳 🧿 admin 🕰
<u>00o</u>	MONITOR	★ All Fabric Interconnects		
Ŷ	OPERATE ^	Add Filter	Export 2 items found	4 → per page K < 1 of 1 > >
	Servers	Health Connection X Bundle Versi	NX-OS Version Models	
	Chassis	Ortical 1     NO VERSION	s 2 • 9.3(5)(42(3d) 2 2 • 645	54 2
	Fabric Interconnects	• Warning 1		
	HyperFlex Clusters	Name : Health : Model	Bundle Version UCS Domain Profile	Ports &
×	CONFIGURE ^	ESPUCSDOM01-X FI-A Warning UCS-FI-64	54 IMM_VPA	54 54 0 ···
	Profiles	ESPUCSDOM01-X FI-B Critical UCS-FI-64	54 IMM_VPA	54 7 47
	Templates			K < 1 of 1 > >>
	Policies			
	Pools			
ģ	ADMIN ^			

Step 8. Ensure you have selected the correct Fabric Interconnect.

On the Details tab, you can review general information such as the peer switch, management IP and current version.

Step 9. Navigate to Action button. Click on it, it displays a few options, choose Upgrade firmware.

≡	cisco Intersight	OPERATE > Fabric Interconne	ects > ESPUCSD	DOM01-X FI-A	🗘 🛛 3 🔺 6 🛛 🗹 🛭 📢	Q,	ن 🕄 🗇 admin ک
	Chassis	General Inventory Conn	ections UCS D	omain Profile			Actions ~
	Fabric Interconnects	Details		Properties		Events	Open TAC Case
	HyperFlex Clusters	Health	A Warning	UCS-FI-6454	Front View Rear View	+ Alarms 2	Upgrade Firmware
×	CONFIGURE ^	Name ESPUC	SDOM01-X FI-A		enterstand antarctantantantant paul paul paul	+ Advisories	Replace UCS Domain
	Profiles	Peer Switch ESPUC	SDOM01-X FI-B UCS-FI-6454		Health Overlay 🌉		
	Templates	Serial					
	Policies	Management IP		Mode	Access		
	Pools	Mode	Intersight	Ethernet end-host	IP Addre		
ø	ADMIN ^	UCS Domain Profile		FC Switc end-host	Subnet		
	Targets	UCS Domain Profile		Oper Ev O Disabled	Default		
	Software Repository	Bundle Version	4.1(3j)		MAC		
	Tech Support Bundles	NX-OS Version	7.0(3)N2(4.13i)				
		Organizations	private-catalog				

Step 10. A window appears with basic instructions on how to perform the upgrade. Click Start.

**Step 11.** You can see the list of Fabrics Interconnect that are claimed by Intersight. The domain you clicked on earlier is automatically selected.

≡	cisco Intersight	Fabric Interconnects > Upgrade Firmware	다 🖬 3 🔺 6 🕝 🥵 약4 다, 😳 ⑦ admin 요
<u>00o</u>	MONITOR	⊆ Progress	Step 1
Ŷ	OPERATE ^		General
	Servers	General	Ensure selected Fabric Interconnects meet requirements for firmware upgrade.
	Chassis	2 Version	
	Fabric Interconnects	3 Summary	Confirm Fabric Interconnects Selection 1 Selected
	HyperFlex Clusters		<ul> <li>Infrastructure firmware upgrade can be performed only on a pair of Fabric Interconnects at once</li> </ul>
×	CONFIGURE ^		
	Profiles		1 items found 10 ∨ per page K < 1 of 1 > > (2)
	Templates		
			Pabric Interconnect A     Fabric In     Domain Name     Model     Serial     Bundla Ve     Model     Serial
	Policies		ESPUCSDOM01-X UCS-FI-6 FD02444 UCS-FI-6 FDC
	Pools		
ø	ADMIN ^		Selected 1 of 1 Show Selected Unselect All KIC 1 of 1 2 3
	Tarnets	< Back Cancel	Next >

**Step 12.** For this example, package version 4.3.2 is available. Select your version and click the **Next** to continue.

≡	المالين داده Intersight	Fabric Interconnects > Upgrade Firmware	요 🖬 3 🔺 6 🛛 🖓 🤤 🥵 💮 🛛 admin 🕹
<u>00o</u>	MONITOR	즌 Progress	Step 2
6	OPERATE ^		Version
	Servers	General	Select a firmware version to upgrade the Fabric Interconnects to.
	Chassis	Version	
	Fabric Interconnects	3 Summary	Select Firmware Bundle Advanced Mode 🕕
	HyperFlex Clusters		<ul> <li>Select the firmware bundle to upgrade. By default, the upgrade enables Fabric Interconnect traffic evacuation. Use Advanced Mode to exclude Fabric Interconnect traffic evacuation.</li> </ul>
×	CONFIGURE ^		
	Profiles		1 items found 10 v per page 🔣 🤇 1 of 1 🕞 河 🍈
	Templates		Add Filter
			Version : Size : Description : 🖗
	Policies		4.3(2.230129)     1.70 GiB Cisco Intersight bundle
	Pools		
Ē	ADMIN ^		Selected 1 of 1 Show Selected Unselect All
	Targets		Next >

**Step 13.** It shows a summary of your upgrade: the domain name, serial number, model, and firmware version.

Confirm that this is the correct domain and click **Upgrade**.

≡	cisco Intersight	Fabric Interconnects > Upgrade Firmware	다. 🖬 3 🔺 6 🕞 📢 🔍 🖏 🧿 admin <u>A</u>
<u>00 o</u>	MONITOR	🔄 Progress	<ul> <li>Selected firmware bundle will be downloaded to the Fabric Interconnects and upgraded. Click on Requests to monitor the progress of the firmware upgrade.</li> </ul>
9	OPERATE ^	(1) General	
	Servers	L	Firmware
	Chassis	version	Version 4.3(2.230129) 👁 Size 1.70 GiB
	Fabric Interconnects	3 Summary	Eabric Interconnects to be Ungraded
	HyperFlex Clusters		
×	CONFIGURE ^		🔒 1 items found 50 v per page 🗹 < 1 of 1 > 계 🔅
	Profiles		
	Templates		Fabric Interconnect A Fabric Interconnect B Domain Name : Model Serial Bundle V Model Serial Bundle
	Policies		ESPUCSDOM01-X UCS-FI-6 FD0244 4.2( 🚯 UCS-FI-6 FD0234 4.2( (
	Doole		KC 1 of 1 D
몓	ADMIN ^		
	Targets	Cancel	

Step 14. A green box appears in the upper right corner if the upgrade action was successful.

-+ Ci	sco Intersight Help Center		📥 Softv	vare Downloads intersight-	× 🔤 Cisco Intersight	🗙 🏧 Fabr	ic Interconnects   Intersight	× + ~	🥺 Private b	rowsing		×
÷	$\rightarrow$ G	08	🔒 https:/	//inter. <b>mxsvlab.com</b> /ary	/network/element-summ	naries/?\$currentPage=18d	\$pageSize 값 Q Se	arch		Q 2	<u>د</u> ک	∞ ≡
=	cisco Intersight	t	OPERA	TE > Fabric Interconne	cts		🗘 🖬 3 🔺 6	O 1   🕫	۹,		@   ad	dmin 🚨
<u>00o</u>	MONITOR		× Al	I Fabric Interconnects 🛞					Successfully	initiated	_	
8	OPERATE							t 2 items fou d 5	firmware upg selected Fabi	rade for the ic Intercon	nects of 1	
	Servers		Heal	th	Connection X	Bundle Version	NX-OS Version	Models			1	m <sup>j</sup> i
	Chassis		(	2 Gritical 1	Connected 2	2 • 4.2(3d) 2	2 • 9.3(5)(4)	2(3c) 2 2	• 6454 <b>2</b>		,	
	Fabric Interconnects			warning								
	HyperFlex Clusters			Name 0	Health 0	Model 0	Bundle Version	UCS Domain Profile	Total	Ports Used	Available	
×	CONFIGURE				A Warning	UCS-FI-6454	4.2(3d)		54	54		
	Profiles				Critical	UCS-FI-6454	4.2(3d)		54			
	Templates										1 of 1	
	Policies											
	Pools											
ŧ	ADMIN											
	Targets											

Step 15. Press the icon next to the alarm button to check the progress of the upgrade.

4+ C	sco Intersight Help Center	×	Software Downloads intersight->	<ul> <li>Cisco Intersight</li> </ul>	X 🔤 Fabr	ic Interconnects   Intersight	× +	∽ 🗢 Private	browsing — 🗗 🗙
÷	$\rightarrow$ G	08	https://inter. <b>mxsvlab.com</b> /an/r	network/element-summ	aries/?\$currentPage=1&\$	ipageSize 🔂 🔍 See	arch		< ⊻ දු ∞ ≡
≡	cisco Intersigh	it	OPERATE > Fabric Interconnect	ls		🗘 🛛 3 🗛 6		ଟ୍ଟ 🔍	요 🛛 🔿 🖓
000	MONITOR		★ All Fabric Interconnects ③					Requests	All Active Completed X
9	OPERATE		Add Filter				2 items	Upgrade Firmware	In Progress
	Servers		Health	Connection X i	Bundle Version	NX-OS Version		FD02444067B	a few seconds ago
	Chassis		Critical 1	Ocnnected 2					
	Fabric Interconnects		2 • Warning 1		2 • 1.2(3d) 2 2 • 9.3(5)(42(3c) 2				
	HyperFlex Clusters		Name 0	Health 0	Model 0	Bundle Version	UCS Dom:		
×	CONFIGURE			A Warning	UCS-FI-6454	4.2(3d)			
	Profiles			Critical	UCS-EL-6454	4 2(3d)	IMM VPA		
	Templates								
	Policies								
	Pools								
Ē	ADMIN								
	Targets								
									View All

**Step 16.** It requires an acknowledge for the reboot of the Fabric. Click **Proceed** to continue with the upgrade.

++ Ci	sco Intersight Help Center		🕂 Cisco Intersight	X 🔹 Cisco Intersight	it X Requests Upgrade Firmware     X + V 🗠 Private browsing - 🗇	
←	$\rightarrow$ G	$\circ \epsilon$	https://inter.mxsvlab.co	om/an/workflow/workflow-info	nfos/6557cb7b696f6e2d309bad18/ 🎲 🔍 Search 🔍 🕹 😒	≡
≡	cisco Intersight	t	Requests > Upgrade Fir	rmware	다. 🖬 4 🔺 6 │ C 1 ④ 1 │ 약3 │ C, │ (3) │ ⑦ │ admin	
<u>00 o</u>	MONITOR		Details		Execution Flow	
۲	OPERATE		Status	Action Required	Progress 68	8
	Servers		Name	Upgrade Firmware	Wait for a user acknowledgement on Fabric Interconnect - A.	
	Chassis			6557cb7b696f6e2d309bad18	<ul> <li>Firmware upgrade for Fabric Interconnect - B is complete. Ensure Fabric Interconnects meet requirements to continue upgrade. Places acknowledge to continue with Eabric Interconnect - A upgrade. Lager more at</li> </ul>	
	Fabric Interconnects		Target Type	Fabric Interconnect	Help Center.	
	HyperFlex Clusters		Target Name		Proceed	
×	CONFIGURE		Source Type	Firmware Upgrade		
	Profiles		Source Name	FD02444067B	Wait for image cownload to complete in endpoint. Nov 17, 2023 2:55 P Image unsintensibilities 4.0.0 A 3.2.230120 bin successfully eached in Fabric Interconnect(s).	
			Initiator	admin@local		
	Templates		Start Time	Nov 17, 2023 2:22 PM	Initiate image download to endpoint. Image use intercipient inferended, 4.2.3.220139 bis already available is a mether skineting the download. Image will be a set of the standard of the set of th	
	Policies		End Time		synced to the selected endpoints.	
	Pools		Duration	35 m 10 s	Check If image has been cached.     Nov 17, 2023 2:55 F	
Ē	ADMIN		Organizations		vernied that image is available in the cache.	
	Targets			derault	Wait for firmware upgrade in Fabric Interconnect - B.     Nov 17, 2023 2:55 F     Successfully upgraded Fabric Interconnect.	M

**Step 17.** Verify that the upgrade completed successfully in the Bundle Version column of the Fabric Interconnects tab.

Both FIs are now at version 4.3.2.

=	cisco Intersight	OPERATE > Fabric Interconr	lects		🗘 🖪 3 🔺 6	₽ ¶	۹	<b>e</b> (	ව   adr	min 🕰
<u>00o</u>	MONITOR	* All Fabric Interconnects								
Ŷ	OPERATE ^	🧷 🔍 Add Filter	_			2 items found 5	∽ per pag	eĸ<	1 of 1 🖸	
	Servers	Health	Connection %	Bundle Version	NX-OS Version	Models				٥
	Chassis	• Critical 1	Connected 2			2/51/42/2010 2				
	Fabric Interconnects	• Warning 1		Z • 4.3(2.230129)	2 2 • 9	3(5)143(20) 2	) • 6454	2		
	HyperFlex Clusters	Name *	Health	Model	Rundle Version	UCS Domain Profile		Ports		
×	CONFIGURE ^		A Warning	1109-51-6454	4 3(2 220120)		Total	Used	Available	
	Profiles			000-51-6454	4.0(2.200127)		54		47	
	Templates	ESPOCSDOMUT-X FI-B		ULS-FI-0454	4.3(2.230129)	IMM_VPA	54		4/	
	Policies								1 of 1 []	
	Pools									
ø	ADMIN ^									
-	Targets									

### Server Upgrade

**Step 1.** Upload the firmware package for the server on **Admin > Software Repository > Software Files > Upload Software**.

Verify that it is listed when the upload is complete.

≡	cisco Intersight	ADMIN > Software Repository Q 🖬 4 🛦 6 📝 🧖 🤤	admin 🕰
	Chassis	Firmware Links Software Files OS Image Links SCU Links OS Configuration Files	Upload Software
	Fabric Interconnects	Add Filter       Image: Constraint of the second secon	1 of 1 🖂 🗏 🛞
	HyperFlex Clusters	Name Description Type Version	Size
×	CONFIGURE ^	intersight-ucs-server-b200-m5.5.2.0.230100.bin Cisco Intersight bundle Intersight Managed Mod 5.2(0.230100)	583.06 MiB
	Profiles	ucs-intersight-infra-4gfi.4.3.2.230129.bin Cisco Intersight bundle Intersight Managed Mod 4.3(2.230129)	1.70 GiB
	Templates		K < 1 of 1 > 기
	Policies		
	Pools		
Ō	ADMIN ^		
	Targets		
	Software Repository		
	Tech Support Bundles		

**Step 2.** Navigate to **Operate > Server**. Select the server you want to upgrade. For this example, server 1/3.

≡	cisco Intersight	OPERATE > Servers		Q 🛛 4 🔺 6 🛛 🖓 📢	🔍 🔅 🔿 admin ,
<u>00o</u>	MONITOR	× All Servers ⊙ +			
Ŷ	OPERATE ^	••• 🖉 🔍 Add Filter		Export 2 items found	4 ∨ per page 🔣 < 1 of 1 ≥ ≥
	Servers	Health Power	HCL Status	Models Profile Status 🕅	Requests (Last 24h)
	Chassis	• Critical 1	Incomplete 2		
	Fabric Interconnects	• Healthy 1 O On 1			
	HyperFlex Clusters	Name 3	Health : M :	Model	⊙ : м : UCS Do н> ₿
×	CONFIGURE ^		C Healthy	UCSB-B200-M5	40.8 128.0 ESPU ••
	Profiles	ESPUCSDOM01-X-1-3	Critical	UCSB-B200-M5	40.8 128.0 ESPU ••
	Templates				। दिर्दी 1 of 1 ਹਿ
	Policies				
	Pools				
٩	ADMIN ^				
	Targets				

Step 3. Navigate to the Action button and click it, it shows some options, select Upgrade firmware.

≡	cisco Intersight	OPERATE > Servers > ESPUCSDOM01-X-1-3	Q 🖬 4 🔺 6 🛛 🗹	¢4 Q,	③ ⑦ admin 요
<u>00o</u>	MONITOR	General Inventory UCS Server Profile HCL			Actions 🗸
Ø	OPERATE ^	Details	Properties	Events	Power >
	Servers	Health 🛛 Critical	Cisco UCSB-B200-M5 Front View Top View	+ Alarms 1	System >
	Chassis	Name ESPUCSDOM01-X-1-3		+ Requests 7	Profile > ,
	Fabric Interconnects	User Label IMM_server-1		+ Advisories	Install Operating System 🗎
	HyperFlex Clusters	Management IP -			Upgrade Firmware
		Serial			Launch vKVM
×	CONFIGURE ^	Vendor Cisco Systems Inc			
	Profiles	Revision -			Open TAC Case
	Templates	Asset Tag -	·····		Set License Tier
	Policies	License Tier Essentials	Power 🕚 Locator LED 💿 Health Overlay 🂽		Collect Tech Support Bundla
	Pools	Management Mode Intersight			Collect recir support buildle
_	10015	Chassis ESPUCSDOM01-X-1	CPUs 2 CPU Capacity (G 40.8		
۱.	ADMIN ^		Threads 24 ID 3		
	Targets	Firmware Version 4.2(3g)	CPU Cores 12 Adapters 1		
		Firmware Status O Success	CPU Cor 12 UUID 96D8FCBF-		

**Step 4.** Verify that you have selected the correct server and click **Next**. Select the firmware version to upgrade.

A summary of the upgrade is displayed. Make sure the server and firmware version are correct.

≡	،،ای،ال، cisco Intersight	Servers > Upgrade Firmware	ୟ 🖬 4 🔺 6 🖂 ⊄ ସ, 😳 ଡି admin ନ୍ର	2
<u>00o</u>	MONITOR	Œ Progress	Confirm configuration and initiate the upgrade.	
Ŷ	OPERATE ^	General		
	Servers	Ĭ	Firmware	
	Chassis	2 Version	Version 5.2(0.230100) @ Size 583.06 MiB	
	Fabric Interconnects	3 Summary	Servers to be Upgraded	
	HyperFlex Clusters			
×	CONFIGURE ^		☐ 1 items found 50 ∨ per page € ₹ 1 of 1 > > \$	
	Profiles			
	Templates		Name 🗧 User L 🙏 Model 😳 Firmw 🔅 Require 🕥 UCS Domain	
	Policies		ESPUCSDO IMM_server UCSB-B200 4.2(3g) (?) Yes ESPUCSDO	
	Pools		K ( <u>1</u> of 1 ) )	
P	ADMIN ^			
	Targets	< Back Cancel	Upgrade	

Step 5. It displays a new window. Enable Reboot Immediately to Begin Upgrade and click on Upgrade.

**Note**: If you do not enable, the server does not get upgraded immediately. Server is upgraded until next reboot.

=	cisco Intersight	Servers > Upgrade Firmware	Q 🖪 5 🔺 6	🛛 🖓 🔍 🕄 🕜 🛛 admin 🕰
<u>00o</u>		🔄 Progress	Confirm configu	
Ŵ		( ) Comment		
		General		
		(2) Version	Jpgrade Firmware	ize 583.06 MiB
		3 Summary	 irmware will be installed on next boot. To reboot immediately, please	
		e	nable the option below.	
×			Reboot Immediately to Begin Upgrade	perpage K K I of I 🕅 🤯
			Cancel	
				L2/30) ① Yes ESPUCSDO
a				
ছি				

Step 6. A green box appears in the upper right corner if the upgrade action was successful.

=	cisco Intersight	OPERATE > Servers         □         I         Q1	٩		0	admin 🕰
<u>01</u> .	MONITOR OPERATE ^	★ All Servers         ●           ···           ▲	Success Firmware selected	fully initiated upgrade for servers	the 1 of	Close
	Servers Chassis Fabric Interconnects	Health Power HCL Status Models Profile Status % Critical 1 Cooff 1 Power On 1 Cooff 1 Power On 1 Cooff 1	S Reque	ests (Last 24	1) Impleted 1 Inning 1	٥
I	HyperFlex Clusters	Name : Health : M : Model :		M 3	UCS Do	нъ₿
×	CONFIGURE ^	O         ESPUCSDOM01-X-1-2         O         Healthy         UCSB-B200-M5	40.8	128.0		
	Profiles	U         ESPUCSDOM01-X-1-3         Image: Critical UCSB-B200-M5	40.8	128.0		
	Templates				<ً 1 of	
	Policies					
	Pools					
٩ ٩	ADMIN ^					
	Targets					

Step 7. Press the icon next to the alarm button to check the progress of the upgrade.



≡	cisco Intersight	Requests > Upgrade Firmware	다. 🖬 5 🔺 6 📄 1 🛛 🕫 🤤 💮 🛛 admin 요
<u>00o</u>	MONITOR	Details	Execution Flow
Ŷ	OPERATE ^	Status O In Progress	Progress 22%
	Servers Chassis	Name         Upgrade Firmware           ID         655ce22a696f6e2d309e6895	Wait for image download to complete in endpoint.     0% completed.
	Fabric Interconnects Target Type Blade Server		Initiate image download to endpoint. Nov 21, 2023 11:04 AM Download intersight-ucs-server-b200-m5.5.2.0.230100.bin request is submitted successfully.
	HyperFlex Clusters	Source Type Firmware Upgrade	Wait for the image download to complete in the local repository.     Nov 21, 2023 11:04 AM     Image is already imported, skipping to wait.
×	CONFIGURE ^	Source Name FLM2402001F Initiator admin@local	Prepare image download to copy the image from an external location to the local repository. Nov 21, 2023 11:04 AM Uploader operation skipping as file is already imported.
	Templates	Start Time Nov 21, 2023 11:00 AM End Time -	⊘ Validate the requirements for the endpoint. Nov 21, 2023 11:04 AM
	Policies	Duration 6 m 52 s	
ē	ADMIN ^	Organizations private-catalog default	
	Targets		

**Step 8.** Once complete, verify the new firmware version for the server on the General tab. This server now has firmware version 5.2(0.23).

≡	cisco Intersight	OPERATE > Servers > ESPUCSDOM01-X-1-3	Q 🛛 3 🔺 6	;
<u>00o</u>	MONITOR	General Inventory UCS Server Profile HCL		Actions
Ŷ	OPERATE ^	Details	Properties	Events
	Servers	Health O Healthy	Cisco UCSB-B200-M5 Front View To	op View + Alarms No Alarms
	Chassis	Name ESPUCSDOM01-X-1-3		+ Requests 10 0 10
	Fabric Interconnects	User Label IMM_server-1		+ Advisories No Advisories
	HyperFlex Clusters	Management IP -		
×	CONFIGURE ^	PID UCSB-8200-M5		
	Profiles	Vendor Cisco Systems Inc Revision -		
	Templates	Asset Tag -		
	Policies	License Tier Essentials	Power O Locator LED O Health Ove	rlay 🌑
	Pools	Management Mode Intersight		
Ø	ADMIN ^	Chassis ESPUCSDOM01-X-1	CPUs 2 CPU Capacity (G., 40.8 Threads 24 ID 3	
-	Targets	Firmware Version 5.2(0.230100)	CPU Cores 12 Adapters 1	
		Firmware Status O Success	CPU Cor 12 UUID 96D8	FCBF-

#### Verify

#### FOR FABRIC INTERCONNECT

```
ESPUCSDOM01-X-A# connect nxos
ESPUCSDOM01-X-A(nx-os)#show version | egrep NXOS
NXOS: version 9.3(5)I43(2b) <<<<
NXOS image file is: bootflash:///ucs-6400-k9-system.9.3.5.I43.2b.bin
NXOS compile time: 10/23/2023 15:00:00 [10/23/2023 18:26:58]
```

FOR SERVER

```
ESPUCSDOM01-X-A# connect cimc 1/3
[ help ]#version
ver: 5.2(0.230100) <<<<
Build Time: Wed Nov 1 17:14:35 2023
Build Sha: 7e4aab46a4c04c403b3a2ae380572c38c3c4ef18
Build Tools: armv7-cortex_a9_v011-linux-gnueabi
```

#### **Related Information**

Cisco Intersight Virtual Appliance and Intersight Assist Getting Started Guide