# cisco.



### HyperFlex Upgrade Testing

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CHAPTER

# **HyperFlex Upgrade Testing**

• Overview, on page 1

### **Overview**

Cisco HyperFlex Upgrade testing validates the upgrade of HyperFlex system from HXDP 2.6(1e)/3.0(1i)/3.5(2g) to HXDP 4.0(2a). This program also validates the upgrade of ESXi ( 6.0 U3 to 6.5 U3 and 6.5 U3 to 6.7 U3) installed on the HyperFlex nodes.

#### Acronyms

Acronym	Description
FI	Fabric Interconnect
HX	HyperFlex
HXAF	HyperFlex All Flash
HXDP	HyperFlex Data Platform
OS	Operating System
UCS	Unified Computing System
UCSM	Unified Computing System Manager
UI	User Interface
VM	Virtual Machine



# **Test Topology and Environment Matrix**

- Test Topology, on page 3
- Component Matrix, on page 4
- Environment Matrix, on page 4

### **Test Topology**

Fig 1: Topology in Use



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# **Component Matrix**

Component	Model
UCS FI	6332 - 16UP
HyperFlex Serves	HXAF220c M5SX HyperFlex Nodes
UCS Servers	B200 M4 (Infra Server)

# **Environment Matrix**

Component	Version
UCSM	4.0(4g)
ESXi	6.0 U3 - 15169789
	6.5 U3 - 15256549
	6.7 U3 - 15160138
vCenter	6.7 - 8170087
HXDP	2.6(1e) - 26812
	3.0(1i) - 29888
	3.5(2g) - 32110
	4.0(2a) - 35121
Windows Server OS	Windows Server 2016



# **Test Strategy and Features Tested**

• Test Strategy and Features Tested, on page 5

### **Test Strategy and Features Tested**

Cisco recommends upgrading the HyperFlex Components in the following order for optimizing the upgrade time:

- Upgrade Cisco UCS Infrastructure
- Upgrade Cisco HX Data Platform
- Upgrade Cisco Customized VMware ESXi
- Upgrade Cisco UCS Firmware

#### **Upgrade Cisco UCS Infrastructure**

The UCS Infrastructure has to be upgraded to the latest supported version manually before initiating the upgrade of the HyperFlex components. The Upgrade feature of the HyperFlex software will not upgrade the UCS Infrastructure.

#### **Upgrade Cisco HX Data Platform**

The Upgrade feature of HyperFlex software allows you to upgrade HXDP from versions 2.6/3.0/3.5 to version 4.0. This includes a series of steps - Validation, Bootstrap, Pre-upgrade, Upgrade and Post Upgrade tasks. The detailed steps for the upgrade are listed in the next chapters.

#### Upgarde Cisco Customized VMware ESXi

The Upgrade feature of HyperFlex software allows you to upgrade VMware ESXi from 6.0 to 6.5/6.7. This includes a series of steps - Validation and Upgrade on individual nodes in a sequence. The detailed steps for the upgrade are listed in the next chapters.

#### **Upgrade Cisco UCS Firmware**

The Upgrade feature of HyperFlex software allows you to upgrade the UCS Firmware. UCSM details need to be provided in order to perform the Firnware upgrade.

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# **HXDP Upgrade using HyperFlex Connect UI**

- HXDP Upgrade from 2.6 to 4.0, on page 7
- HXDP Upgrade from 3.0 to 4.0, on page 13
- HXDP Upgrade from 3.5 to 4.0, on page 20

### HXDP Upgrade from 2.6 to 4.0

Upgrade of HXDP 2.6(1e) to HXDP 4.0(2a) needs manual bootstrap on the Controller VMs. Check for the pre-requisites are met. Please follow the below procedure for the manual Bootstrap process and the upgrade.

1. From the vCenter Server, identify the Controller VM that holds the IP address of the Cluster Management.

Navigator	🚛 📉 stCtIVM-WZP22190G9W 🛛 🞯 🕞 📁 🦉 🥵 📪 🛛 🎯 Actions 🗸	=*	📝 Work In
	Getting Started Summary Monitor Configure Permissions Snapshots Datastores Networks		
↓         ↓	• SCMM X/2222000/F         Gest 0.05         Libration X (64-bit)         Libration X (64-bit)           Computability:         E25.6.6.and Marr (VM version 11)         Libration X (64-bit)         Libration X (64-bit)           Computability:         E25.6.6.and Marr (VM version 11)         Libration X (64-bit)         Libration X (64-bit)           VM ware Tools:         Managed By:         Visition X (64-bit)         Libration X (64-bit)         Libration X (64-bit)           VM ware Tools:         Managed By:         Visition X (64-bit)         Libration X (64-bit)         Libration X (64-bit)           VM ware Tools:         Mark Tools:         Mark Tools:         Libration X (64-bit)         Libration X (64-bit)           VM ware Tool:         Mark Tools:         Libration X (64-bit)         Libration X (64-bit)         Libration X (64-bit)           V/W ware Tool:         V/W ware Tools:         Libration X (64-bit)         Libration X (64-bit)         Libration X (64-bit)           VM Hardware         V M Hardware         V M Storage Policies         Libration X (64-bit)         Libration X (64-bit)	CPU USAGE 446.00 MHz Mewory USAGE 1.92 GB STORAGE USAGE 2.67 GB	Alarms All (0)

- 2. Using WinSCP, connect to the Cluster Management IP using the "root" credentials and transfer the HXDP Upgrade package to the "/tmp" directory. Do not create any new folders. (You can follow any other procedure to transfer the upgrade files to the "/tmp" directory.)
- **3.** From vCenter clinet, open the console of the Controller VM that holds the Cluster Management IP and change to the "/tmp" directory. You can find the upgrade package transferred in the previous step.

en Send Ctr

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stCtlVM-WZP22190G9W		Enforce US Keyboard Layout View Fullscreen Se	
*!!! ALERT			
This service is restricted to All activities on this system access will be reported.	This service is restricted to authorized users only. All activities on this system are logged. Unauthorized access will be reported.		
HyperFlex StorageController	2.6(1e)		
root@hxsc240-1:~# cd /tmp			
root@hxsc240-1:/tmp# ls			
storfs-packages-4.0.2a-35121.	tgz tmp.8UaXzwvdV1	tmp.408DbsrBb5	
ucsmwriteconfig.json	tmp.IPJBaqSVNK	tmp.HKXZUZIJFU	
storrs-support.log	tmp.DH02CHFa12	tmp.j2120roop1	
	tan iBiwullaYOB		
nsperiuata_root	tmp 04220p888M	$t_{mn}$ uc10uNGhg9	
hyde two	twp fC1FUTNeR1	tmp.ulMhSuOCpi	
inclusion of the second s	tmn Kll6sNoC2Im	tmp vA3II2KkIIIII	
tomcat7-toncat7-ton	$t_{mn} = 0.1 \text{ Df } 8072 \text{ Va}$	ucsmGetOrg ison	
unloads	tmp.KAbbellukur	scumplient nid	
unware-root.	tmn. IeJAsWswtC	storfs.nid	
tmp.ZMPONrNHBw	tmp.eRk0ev9bzF	zookeeper server.pid	
tmp.xCJpBI61Lp	generic disk info.gu8	storfseventsfifo	
root@hxsc240-1:/tmp# _			

4. Un-compress the package using "tar -zxvf <upgrade-package-name>.tgz. This Un-compresses and extracts all files to the root of the "/tmp" folder.

1VM-WZP22190G9W		Enforce US Keyboard Layout V
This service is restricted to aut All activities on this system are access will be reported.	horized users only. logged. Unauthorized	
HyperFlex StorageController 2.6(	1e)	
root@hxsc240-1:~# cd ∕tmp		
root@hxsc240-1:/tmp# ls		
storfs-packages-4.0.2a-35121.tgz	tmp.8UaXzwvdV1	tmp.408DbsFBbS
ucsmWriteConfig.json	tmp. IP jBdq5VnK	tmp.HKXz0z1jFU
storfs-support.log	tmp.DMO2cNPalz	tmp.j212Droopi
asup_cache	tmp.dmQzR8Fwt7	tmp.oyRxFELRzk
<u>hsperfd</u> ata_root	tmp.jRivyUmXQB	tmp.uYOv3K1YB6
hxdc_au	tmp.04270n8RBM	tmp.vc1QvNGhq9
<u>hxdc_</u> tmp	tmp.fG1EUTNsR1	tmp.wlMhSwOCrj
nginx	tmp.KU6sNoC2Im	tmp.xA3U2KkUUL
toncat7-toncat7-tnp	tmp.o1Df8V77Xa	ucsmGetOrg.json
uploads	tmp.KAbbeUvkwr	scvmclient.pid
unware-root	tmp.IeJAsWswtC	storfs.pid
tmp.ZMPQNrNHBw	tmp.eRk0ev9bzF	zookeeper_server.pi
tmp.xCJpBI61Lp	generic_disk_info.gu8	storfseventsfifo
root@hxsc240-1:/tmp# tar -zxuf st	orfs-packages-4.0.2a-35	5121.tgz _

5. Execute the "./cluster-bootstrap.sh" command to invoke the bootstrap packages for upgrade. Provide the vCenter Server IP, Username and Password as requested.

L



6. Wait for the bootstrap process to complete.

stCtIVM-WZP22190G9W	Enforce US Keyboard Layout	View Fullscreen
Undating uConten plugin		
upaating ocenter playin		
Executing NodeInfoScript : create node_info.py		
Executing MgmtAgentScript : upgradeMgmtConfig.sh		
Executed /opt/springpath/syncStMgrConfig.py		
hxSvcMgr start/running, process 16121		
Update sed configuration files		
Retrieved SED capability		
SED capability is: 0		
Updating configuration with default SED values		
Disabling cluster wide rebalance using stcli		
Successfully disabled rebalance on the cluster		
Error opening Certificate /etc/nginx/.backup/server.c:	rt	
140583382279832:error:02001002:system library:fopen:N	o such file or directo	ry:bs
s_file.c:406:fopen('/etc/nginx/.backup/server.crt','r	')	-
140583382279832:error:20074002:BIO routines:FILE_CTRL	<pre>:system lib:bss_file.c</pre>	:408:
unable to load certificate		
Restoring certificate		
Bootstrap completed. Please use HX Connect UI to upgra	ade cluster to "4.0(2a	)" re
lease.		
If you have an active HX Connect session on a browser	, refresh the session	manua
lly or re-login into the session.		
root@hxsc240-1:/tmp# _		

7. Once the bootstrap process is completed, refresh the vCenter and HX Connect UI.

Login again to the HX Connect UI using the credentials.

رااییاں cisco Cisco HyperFlex Connect
HyperFlex 2.6(1e) User name Password Esgin

8. Click on "Upgrade" and check for the Current Cluster Version details.

≡ disco HyperFlex Connect	нх	AF-Cluster	
Dashboard MONITOR	CLUSTER UPGRADE ELIGIBILITY No Results	Test Upgrade Eli	gibility
<ul> <li>Alarms</li> <li>☆ Events</li> <li>Activity</li> </ul>	Select Upgrade Type	Progress	
ANALYZE	UCS Server Firmware HK Data Platform		
PROTECT		Drag the HX file here or click to browse	
System Information Datastores	Current version; Version; Z.6.1e.26012) > Chexissum HX2201 Z.6.1e.26012 HX2202 Z.6.1e.26012 HX220-3 Z.6.1e.26012		Bundle versi
Virtual Machines     Virgrade     Veb CLI	Venter or dentals (Required for HD Data Partom or VMware ESU lagrada) User Name Admin Passuord administrator@vephere.bcal	0	
	Auto-support Settings When Auto-support is enabled, the cluster will periodically send information about the deployment environment f regarding postfolia lisuses and support cases. Enroll for Auto-support (Recommended)	or the purpose of delivering proactive support and product improvements. Cisco may reach out with important notification	s to the email address provieded b

**9.** Select the HX Data Platform checkbox, browse and upload the Upgrade package. Provide the vCenter credentials and click on "Upgrade".

≡ <sup>•ilitilit</sup> cisco HyperFlex Connect		HXAF-Cluster	第 1
Dashboard      MONITOR      Alarms	CLUSTER UPGRADE ELIGIBILITY No Results		Test Upgrade Eligibility
公 Autilits 介 Events 自 Activity	Select Upgrade Type		Progress
ANALYZE	UCS Server Firmware		
Performance	HX Data Platform		
PROTECT		<ul> <li>storfs-packages-4.0.2a-35121 file is uploaded</li> </ul>	
MANAGE System Information Datastores	Current version: Version(2.6.1e-26512) Current outlier details		Bundle ver
Virtual Machines	vCenter credentials (Required for HX Data Platform or VMware ESX upgrade) User Name	Admin Password	
Upgrade     Neb CLI	Administrator@vsphere.local		0
	Auto-support Settings When Auto-support is enabled, the cluster will periodically send information about the deplo regarding potential issues and support cases. Enroll for Auto-support (Recommended)	syment environment for the purpose of delivering proactive support and product improv	ements. Cisco may reach out with important notifications to the email address pr

**10.** Click on "Confirm" to proceed with the validation and upgrade process to begin.

≡ disclo HyperFlex Connect	HXAF-Cluster				
⑦ Dashboard	CLUSTER UPGRADE ELIGIBILTY No Results				Test Upgrade Eligibility
MONITOR					
🗘 Alarms	-	Upgrade Notice	0	⊗	
☆ Events	Select	The selected upgrade ope	ration requires the hosts to be put into maintenance mode. This requires		
Activity		running VMs and applicati operation and will occur a	ons to vMotion to other nodes in the cluster. This is a non-disruptive utomatically if DRS is licensed and set to fully automatic mode.		
ANALYZE	UCS Server Firmware				
Lan Performance	HX Data Platform				
PROTECT				_	
C Replication			Cancel Confirm	•	
MANAGE	Current vertice Vertice(2.6.1a.26212) Current charter details				Burgh
E System Information	> Checksum				
Datastores					
🖵 Virtual Machines	VCenter credentials (Required for HX Data Platform or VMware E	SXi upgrade)			
T Upgrade	User Name		Admin Password		
> Web CLI	Administrator@vsphere.local			۲	
-					
	Auto-support Settings				
	When Auto-support is enabled, the cluster will periodically sent regarding potential issues and support cases.	d information about the deploy	ment environment for the purpose of delivering proactive support and produc	t improveme	ts. Cisco may reach out with important notifications to the email addres
	Enroll for Auto-support (Recommended)				

**11.** Wait for the Validation to be completed.

≡ diali: HyperFlex Connect		HXAF-Cluster	Ę	1 🛞
Dashboard     Monitor	CLUSTER UPGRADE ELIGIBILTY No Results			
Ц Alarms				
유 Events		Select Upgrade Type	Progress	
Activity ANALYZE	Validating upgrade	_		
Performance	HXAF-Cluster	Get release metadata from package		
PROTECT	Succeeded	Checking cluster state		
C Replication		<ul> <li>Checking if cluster rebalance is in progress</li> </ul>		
MANAGE		✓ Checking EAM Service Status on VMware Virtual Center		
System Information		<ul> <li>Checking if all nodes are online and connected to vCenter</li> </ul>		
🗄 Datastores		Checking if all controller VMs have enough free space in root partition		
Virtual Machines		Checking ESX Host Version on Cluster Nodes with NVMe Disks		
🕆 Upgrade		<ul> <li>Science of general companisation</li> </ul>		
Yeb CLI				
4				

**12.** Once the validation completes, Upgrade process starts.

■ disco HyperFlex Connect		HXAF-Cluster		
② Dashboard		Select Upgrade Type	Progress	
MONITOR Alarms Events	<ul> <li>Upgrade in progress</li> <li>Upgraded 1 of 3 total nodes</li> <li>Collapse All</li> </ul>			
Activity	A HX220-1	Upgrading HK Management VIII on node.     Orecking Cluster neadliness		
Replication     Replication     Replication     Replication     Replication     System information     Datatores     Virtual Machines     Virtual Machines     Virgrade     Web CLI	→ H0225-2 Generated	Copying and Einsteining Upgrade Rekespe(s)     Einsteining Upgrade Rekespe(s)     Einsteining Upgrade Rekespe(s)     Uggrading HK Management Vill on node;     Uggrading Utuster readiness     Rekenfiquing Unser readiness     Rekenfiquing Unser readiness     Utugrading Storage controller VIII as an EAM agent:     Utugrading Storage controller VIII as an EAM agent:     Utugrading Storage to totale Note     Utugrading Storage totale total total as an EAM agent:     Utugrading Storage totale total total as an EAM agent:     Utugrading Storage totale total total total as an EAM agent:     Utugrading Storage totale total total total as an EAM agent:     Utugrading Storage totale total tottal total total tot		
	A HX220-3	Copying and Extracting Upgrade Peckage(s)     Boststrapping Storage Hode     Upgrading Victorage Hode.		

13. Once the upgrade is successful on the HyperFlex nodes, wait for the Post upgrade tasks to be completed.

diada. cisco HyperFlex Connect			HXAF-Cluster	G
3 Dashboard	CLUSTER UPGRADE ELI No Results	GIBILTY		
ONITOR				
) Alarms				
A Events			Select Upgrade Type Progr	-55
Activity				
NALYZE	C Upgrade in p	progress		
In Performance	Upgraded 3 of	3 total nodes		
ROTECT	✓ Expand All			
Carterion Replication	^	HXAF-Cluster	✓ Checking Cluster readiness	
ANAGE			C Cluster upgrade is complete. Running Post Upgrade Tasks	
i System Information			C Creating dynamic Certificate	
Datastores	~	HX220-1	Succeeded	
Virtual Machines				-
Upgrade	~	HX220-2	Succeeded	
Web CLI	~	HX220-3	Succeeded	

14. The Upgrade is completed, refresh the browser and access the HX Connect UI from the browser. You can see the HXDP upgraded to HXDP 4.0(2a).

A.OZA Lizer name Resourd Cage	Ag2a Ag2a Lurreme Resourd Eggs	راندان <b>دisco</b> Cisco HyperFlex Connect
L User name  Resourced  resourced	Image: Constraint of the second se	HyperFlex 4.0(2a)
Pessoord (Carlos)	Pessoord (apple)	1 Username
		Password ©
		Lagin

# HXDP Upgrade from 3.0 to 4.0

Upgrade of HXDP 3.0(1e) to HXDP 4.0(2a) needs manual bootstrap on the Controller VMs. Check for the pre-requisites are met. Please follow the below procedure for the manual Bootstrap and Upgrade process.

1. Identify the Controller VM that holds the IP address of the Cluster Management.

vmware: vSphere Web Client	Updated at 1:17 PM 👌   Launch vSphere Client (HTM	ALS)   Administrator@VSPHERE.LOCAL +   Help	- I Q Search
Navigator	🖡 🏠 stCtIVM-WZP22190G9W 📑 🖓 🔚 🇐 🚑 🛛 🎯 Actions 🗸	Ξ×.	🛛 📝 Work In Progres
	Getting Started Summary Monitor Configure Permissions Snapshots Datastores Networks		
●         ●	SICUM WZ22219069W Ouest 0.5: Ubunk Lanx (54-bb) Course 1.5:	COULEAGE     207 GHz     seamor usace     324 GB     207 OB     207 OB     1	
	VM Hardware     VM Storage Policies		
	Advanced Configuration     VM Storage Policies      VM Storage Policy Compliance		
	Custom Attributes		😁 Alarms
	Attribute Value Check C	ompliance	All (0) New (0

- 2. Using WinSCP, connect to the Cluster Management IP using the "root" credentials and transfer the HXDP Upgrade package to the "/tmp" directory. Do not create any new folders. (You can follow any other procedure to transfer the upgrade files to the "/tmp" directory.)
- **3.** From vCenter clinet, open the console of the Controller VM that holds the Cluster Management IP and change to the "/tmp" directory. You can find the upgrade package transferred in the previous step.

stCtlVM-WZP22190G9W		Enforce US Keyboard Layout View Fullscree	en
tmp.1YSO5PyOiu	tmp.VWCjIaoJkc	scvmclient.pid	
tmp.XacmGneRgO	tmp.fokf5x556M	storfs.pid	
tmp.SkueUWEhbl	generic_disk_info.iB3	zookeeper_server.pid	
tmp.iu4Nkxxa8b	tmp.1DrVdUS8n2	storfseventsfifo	
root@hxsc240-1:/tmp#	ls		
storfs-packages-4.0.	2a-35121.tgz tmp.q71Mq1	KgWJq	
hsperfdata_root	tmp.5coeYj	pQz7n	
hsperfdata_tomcat7	tmp.VWCjIa	aoJkc	
hxdc_au	tmp.fokf5:	x556M	
hxdc_tmp	generic_d	isk_info.iB3	
nginx	tmp.1DrVdl	JS8nZ	
toncat7-toncat7-tmp	tmp.ATFFJ)	KgLXG	
uploads	tmp.IFio20	CzBIN	
unuare-root	tmp.iji841	KGuwc	
tmp.1YSO5PyOiu	tmp.oAzibl	DzAn3	
tmp.XacmGneRgO	tmp.p4U9qa	ohi6F	
tmp.SkueUWEhbl	tmp.wxWWd	951aC	
tmp.iu4Nkxxa8b	tmp.x00k21	RgnDU	
tmp.iveHTtFCUU	dedupe_est	timator_server.pid	
tmp.KOTDRsatKu	scymclient	t.pid	
tmp.sCMyCmKVuO	storfs.pic	1	
tmp.UxoJryE9AE	zookeeper	_server.pid	
tmp.aJLzclch51	storfseve	ntsfifo	
tmp.oi2yIBhIOs			
root@hxsc240-1:/tmp#	tar -zxuf storfs-packa	ges-4.0.2a-35121.tgz _	1

4. Un-compress the package using "tar -zxvf <upgrade-package-name>.tgz. This Un-compresses and extracts all files to the root of the "/tmp" folder.

CUVM-WZP22190G9W			Enforce US Keyboard Layout View Full
tmp.1YSO5PyOiu	tmp.VWCjIaoJkc	scvmclient.pid	
tmp.XacmGneRgO	tmp.fokf5x556M	storfs.pid	
tmp.SkueUWEhbl	generic_disk_info.iB3	zookeeper_server.p	id
tmp.iu4Nkxxa8b	tmp.1DrVdUS8n2	storfseventsfifo	
root@hxsc240-1:/t	mp# ls		
storfs-packages-4	.0.2a-35121.tgz tmp.q71Mg	ſKq₩Jq	
hsperfdata_root	tmp.5coes	pQz7n	
hsperfdata_tomcat	tmp.VWCjl	aoJkc	
hxdc_au	tmp.fokf5	5x556M	
hxdc_tmp	generic_d	lisk_info.iB3	
nginx	tmp.1DrVd	lUS8n2	
tomcat7-tomcat7-t	tmp.ATFFJ	IXgLXG	
uploads	tmp.IFio2	CzBIN	
umuare-root	tmp.iji84	KGuwc	
tmp.1YSO5PyOiu	tmp.oAzil	DzAn3	
tmp.XacmGneRgO	tmp.p4U99	lohi6F	
tmp.SkueUWEhbl	tmp.wxWWd	1951aC	
tmp.iu4Nkxxa8b	tmp.x00k2	RgnDU	
tmp.iveHTtFCUU	dedupe_es	timator_server.pid	
tmp.KOTDRsatKu	scvmclier	it.pid	
tmp.sCMyCmKVuO	storfs.pi	d	
tmp.UxoJryE9AE	zookeeper	_server.pid	
tmp.aJLzclch51	storfseve	entsfifo	
tmp.oiZyIBhIOs			
root@hxsc240-1:/t	mp# tar -zxvf storfs-packa	.ges-4.0.2a-35121.tg	z _

5. Execute the "./cluster-bootstrap.sh" command to invoke the bootstrap packages for upgrade. Provide the vCenter Server IP, Username and Password as requested.



6. Wait for the bootstrap process to complete.

VZP22190G9	Enforce US Keyboard Layout	View Fullscree
	Updating vCenter plugin	
	Executing NodeInfoScript : create node info.pu	
	Executing MumtAgentScript : upgradeMumtConfig.sh	
	Executed /opt/springpath/syncStMgrConfig.py	
	hxSvcMgr start/running, process 23982	
	Update sed configuration files	
	Retrieved SED capability	
	SED capability is: 0	
	Updating configuration with default SED values	
	Disabling cluster wide rebalance using stcli	
	Successfully disabled rebalance on the cluster	
	Error opening Certificate /etc/nginx/.backup/server.crt	
	140510825293464:error:02001002:system library:fopen:No such file or direct	ory:b
	s_file.c:406:fopen('/etc/nginx/.backup/server.crt','r')	
	140510825293464:error:20074002:BIO routines:FILE_CTRL:system lib:bss_file.	c:408
	unable to load certificate	
	_Restoring certificate	
	Bootstrap completed. Please use HX Connect UI to upgrade cluster to "4.0(2	a)" r
	lease.	
	If you have an active HX Connect session on a browser, refresh the session	manu
	lly or re-login into the session.	
	root@hxsc240-1:/tmp# _	

7. Once the bootstrap process is completed, refresh the vCenter and HX Connect UI.

Login to the HX Connect UI using the credentials.

·ligit         Cisco HyperFlex Connect         // HyperFlex
Agrig Administrator@upphere.local
Administrator diversities
· · · · · · · · ·

8. Click on "Upgrade" and check for the Current Cluster Version details.

≡ disto HyperFlex Connect			HXAF-Cluster		Q <u>∧</u> 1 (⊜1
Dashboard     MONITOR	CLUSTER UPGRADE ELIGIBILTY No Results				Test Upgrade Eligibility
다 Alarms		Select Upgrade Type		P	rogress
Activity ANALYZE	UCS Server Firmware				
Performance	HX Data Platform				
Preplication	Drag the HX file here or click to browse				
MANAGE System Information Datastores	Current version: Version(3.0.1i-29888)	Current cluster details           HX220-1         3.0.11-29888           HX220-2         3.0.11-29888           HX220-3         3.0.11-29888			B
Virtual Machines Upgrade	vCenter credentials (Required for HX User Name	, Data Platform or VMware ESXI upgrade)	Admin Password		
> Web CLI	administrator@vsphere.local			0	
	Auto-support Settings When Auto-support is enabled, the clus regarding potential issues and support	rter will periodically send information about cases. mended)	the deployment environment for the purpose of delivering pr	sactive support and product improvements. Citco may reach or	ut with important notifications to the email address p
1					

**9.** Select the HX Data Platform checkbox, browse and upload the Upgrade package. Provide the vCenter credentials and click on "Upgrade".

≡ cisco HyperFlex Connec	t HXAF-Cluster	Q ▲1 🗐 🗐
Dashboard  MONITOR	CLUSTER UPGRADE ELIGIBILTY No Results	Test Upgrade Eligibility
Alarms		
슈 Events	Select Upgrade Type Progr	255
Activity ANALYZE	UCS Server Firmware	
PROTECT	K Data Hattorm     storfs-packages-4.0.2a-35121 file is uploaded	
MANAGE System Information Datastores	Current version: Version().0.11-39885 Current custer details: 2. Onessum	Bundle versio
Virtual Machines	VCenter Ordentials (Required for HC Data Platform or Wheare ESN Lagrade) User Name Admin Password	
>_ Web CLI	Administrator@vghere.local	
	Auto-support Settings When Auto-support is enabled, the cluster will periodically send information about the deployment environment for the purpose of delivering proactive support and product improvements. Cisco may reach out wite regarding potential issues and support cases. Erroll for Auto-support (Recommended)	h important notifications to the email address prov

**10.** Click on "Confirm" to proceed with the validation and upgrade process to begin.

I

≡ dialis cisco HyperFlex Connect			HXAF-Cluster		Q 🔺 1 🗐 1 🛞	
② Dashboard	CLUSTER UPGRADE ELIGIBILTY No Results				Test Upgrade Fligibility	
MONITOR		Upgrade Notice	08	-	ice opprove engineering	
슈 Events 텝 Activity	Select	The selected upgrade op- running VMs and applicat operation and will occur	eration requires the hosts to be put into maintenance mode. This requires tions to vMotion to other nodes in the cluster. This is a non-disruptive automatically if DRS is licensed and set to fully automatic mode.	Progress		
ANALYZE	UCS Server Firmware HX Data Platform					
PROTECT			Cancel Confirm			
MANAGE System Information Contemport	Correct version Version(3.0.1/2868) Correct Outler deals Bundle version 4.0.26-35 2 Streakum					
↓     Virtual Machines       ↑↑     Upgrade       ▶     Web CLI	vCenter credentials (Required for HK Data Planform or VB/wave B User Name Administrator@vsphere.local	SG upgrade)	Admin Bassond	0		
	Auto-support Settings When Auro-support is enabled, the cluster will periodically sen regarding potential issues and support cases. Enroll for Auto-support (Recommended)	) information about the deplo	yment environment for the purpose of delivering proactive support and product imp	provements. Cisco may reach our with i	mportant notifications to the email address provided belo	
					Upgra	

#### **11.** Wait for the Validation to be completed.

≡ disco HyperFlex Connect		HXAF-Cluster	Q 🔺   🗐 1   🕲
② Dashboard MONITOR	CLUSTER UPGRADE ELIGIBILTY No Results		
💭 Alarms			
☆ Events		Select Upgrade Type	Progress
Activity			
ANALYZE	Validating upgrade		
In Performance	HXAF-Cluster	Get release metadata from package	
PROTECT	Succeeded	Checking duster state	
Replication		Checking if cluster rebalance is in progress	
MANAGE		Checking EAM Service Status on VMware Virtual Center	
E System Information		Checking if all nodes are online and connected to vCenter	
Datastores		<ul> <li>Checking if all controller VMs have enough free space in root partition</li> </ul>	
Virtual Machines		Checking ESX Host Version on Cluster Nodes with NVMe Disks	
1 Upgrade		Checking vCenter configuration	
> Web CLI			

**12.** Once the validation completes, Upgrade process starts.



13. Once the upgrade is successful on the HyperFlex nodes, wait for the Post upgrade tasks to be completed.

≡ diada HyperFlex Connect		HXAF-Cluster	
🕑 Dashboard	CLUSTER UPGRADE ELIGIBILTY No Results	Test Upgrade Eligibility	
MONITOR			
💭 Alarms			
☆ Events	Select Upgrade Type	Progress	
Activity		500-1000	
ANALYZE	O Upgrade in progress		
Performance	Upgraded 3 of 3 total nodes		
PROTECT	~ Expand All		
Replication	∧ HXAF-Cluster ✓ Checking Cluster readiness		
MANAGE	Creating dynamic Certificate		
System Information	Cluster upgrade is complete. Running Post Up	Upgrade Tasks	
Datastores	V HX220-1 Succeeded		
Virtual Machines			
T Upgrade	V HX220-2 Succeeded		
> Web CLI	V HX220-3 Succeeded		

14. The Upgrade is completed, refresh the browser and access the HX Connect UI from the browser. You can see the HXDP upgraded to HXDP 4.0(2a).



### HXDP Upgrade from 3.5 to 4.0

Upgrade of HXDP 3.5(2g) to HXDP 4.0(2a) starts with automatic bootstrap on the Controller VMs. Please follow the below procedure for the upgrade process.

- 1. Login to the HX Connect UI using the credentials.
- 2. Click on "Upgrade" and check for the Current Cluster Version details.

≡ <sup>•i[tollo</sup> HyperFlex Connect		HXAF-Cluster-01		<b>0</b> 0
🕑 Dashboard	Select Upgrade Type		Progress	
MONITOR	UCS Server Firmware			
🛱 Events	HX Data Platform			
Activity				
ANALYZE		Drag the HX file here or click to browse		
Performance	Current version: 3.5.2g-32110 Current cluster details			Bundle version:
PROTECT	> Checksum HX220-1 3.5.2g-32110 HX220-2 3.5.2g-32110			
C Replication	HX220-3 3.5.2g-32110			
MANAGE	- Lani			
E System Information	vCenter credentials (Required for HX Data Platform or VMware ESXI upgrade)	Admin Barrunord		
Datastores	administrator@vsphere.local	©		
Virtual Machines				
T Upgrade				
> Web CLI				

**3.** Select the HX Data Platform checkbox, browse and upload the Upgrade package. Provide the vCenter credentials and click on "Upgrade"

= disco HyperFlex Connect		HXAF-Cluster-01		
🕑 Dashboard	Select Upgrade Type		Progress	
MONITOR Q. Alarms	UCS Server Firmware			
党 Events	HX Data Platform			
Activity				
ANALYZE		<ul> <li>storfs-packages-4.0.2a-35121 file is uploaded</li> </ul>		
An Performance	Current version: 3.5.2g-32110 Current cluster details			Bundle version
PROTECT	> Checksum			
C Replication	ESXI			
MANAGE				
E System Information	vCenter credentials (Required for HX Data Platform or VM/ware ESX upgrade)			
Datastores	User Name	Admin Password		
Virtual Machines	Administrator@vsphere.local		0	
'↑' Upgrade				
> Web CLI				

4. Click on "Confirm" to proceed with the validation and pre-upgrade process to begin.

= <sup>-(fol)</sup> HyperFlex Connect			HXAF-Cluster-01			e
🕑 Dashboard	Selec	Initiating Pre-Upgrade		08		
MONITOR Q Alarms	UCS Server Firmware	Pre-Upgrade processes will be	performed on all nodes. Once complete, the	refreshed UI will appear.		
僚 Events	HX Data Platform					
Activity						
ANALYZE						
Lait Performance	Current version: 3.5.2g-32110 Current cluster details			Cancel Confirm		Bundle versi
C Replication	FSXI					
MANAGE						
E System Information	vCenter credentials (Required for HX Data Platform or VMware) User Name	ISXi upgrade) Ac	imin Password			
Datastores	Administrator@vsphere.local				•	
Virtual Machines						
T Upgrade						
> Web CLI						

5. Wait for the Pre-upgrade process to be completed.

≡ cisco HyperFlex Connect		HXAF-Clu	ister-01	Ø Ø
🕑 Dashboard		Select Upgrade Type	Pro	ogress
MONITOR Alarms Revents Activity	Pre-Upgrade in progres Collepse All HX220- HX220- Tragent	Copying and Extracting Upgrade Package()		
ANALYZE all Performance PROTECT	<ul> <li>HX220- In Progress</li> </ul>	2 Copying and Entracting Upgrade Package(s)		
Replication  MANAGE  System Information	A HX220-	3		
Datastores				
Upgrade				
≻ Web CLI				

6. Once the Pre-upgrade process is completed, refresh the browser and login again to the HX Connect.

≡ disco HyperFlex Connect		HXAF-Cluster-01		
Dashboard     MONITOR	CLUSTER UPGRADE EUGIBILTY No Results		Test Upgrade Eligibility	
↓ Alarms ☆ Events	Select Upgrade Type		Progress	
ANALYZE	Pre-Upgrade steps have completed successfully. To complete the upgrade to the new HX Data P button to select the appropriate firmware version before starting upgrade.	atform version, supply vCenter credentials and click upgrade to complete the platform update. If upg	rading server firmware as well, supply the UCS Manager information request	ted and click the disco-
	UCS Server Firmware			
	ESXI			
System information     Datastores	vCenter credentials (Requires for IXX Data Platform or VMware 65N upgrade) Data Name	Admin Dazaward		
↓ Virtual Machines ↑ Upgrade				
∑ Web CLI	Auto-support Settings           When Auro-support is enabled, the cluster will periodically send information about the deploy regarding potential issues and support cases.           Enroll for Auro-support (Recommended).	ment environment for the purpose of delivering proactive support and product improvement	3. Cisco may reach out with important notifications to the email addres	is provieded below

7. After the Pre-upgrade process is completed, it has to be upgraded again in order to perform the full upgrade.

Go to "Upgrade", select the "HX Data Platform" check box, provide the vCenter credentials and click on "Upgrade"

≡ dialia cisco HyperFlex Connect		HXAF-Cluster-01	同 2
② Dashboard	Select Upgrade Type		Progress
	Pre-Upgrade steps have completed successfully. To complete the upgrade to the new HX Data Pl discover button to select the appropriate firmware version before starting upgrade.	atform version, supply vCenter credentials and click upgrade to complete the platform update. If upgr	ading server firmware as well, supply the UCS Manager information requested and cl
슈 Events	UCS Server Firmware		
Activity	HX Data Platform		
ANALYZE			
Performance		storfs-packages-4.0.2a-35121 file is uploaded	
PROTECT			
Replication	Current version: Version(3.5.2g-32110) Current cluster details		Bundle version:
MANAGE	> Checksum		
E System Information	ESXi		
Datastores			
Virtual Machines	vCenter credentials (Required for HX Data Platform or VMware ESR upgrade) User Name	Admin Pessword	
🕥 Upgrade	Administrator@vsphere.local		
> Web CLI		J	
	Auto-support Settings When Auto-support is enabled, the cluster will periodically send information about the deploy regarding potential issues and support cases. Enroll for Auto-support (Recommended)	ment environment for the purpose of delivering proactive support and product improvements	. Cisco may reach out with important nonfications to the email address provie

8. Click on "Confirm" to proceed with the validation and upgrade process to begin.

🕑 Dashboard	Sel	ect Upgrade Type		
MONITOR Alarms Devents Activity ANALYZE Min Performance	Pre-Ugg rate strage have compared successfully. To compare discover button to select the appropriate firmware version     UCS Server Firmware     HX Data Flatform	Parameter and a set of the Pattorn encoded Upgrade Notice Upgrade Notice The selected upgrade operation requires through the selected upgrade operation requires through the selected upgrade operation and will occur automatically if Di	In the second	are. It logs along server firmware as wel, supply the UCS Manager Information nequated and ch
PROTECT  Proplication  MANAGE  System information  Datastores  Virtual Machines	Current version Version(153g-32116) Current duate de > Ceacoum  ESSI  Version condensats de la duate de la HC Data tracteur au Velo Uter Ione	re (51) usgandi)	Cancel Confirm	Bunde version 4
T Upgrade	Administrator (https://wipherie.local Auto-support: Settings When Auto-support: enabled, the cluster will periodically regarding potential lacues: and support cases.	end information about the deployment environment	t for the purpose of delivering proactive support and product imp	revements. Osco may reach our with important notifications to the email address provided

9. Wait for the Validation to be completed.

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≡ <sup>-thalt</sup> HyperFlex Connect		HXAF-Cluster-01		<b>₽</b> 2 (3) (7)
Dashboard      MONITOR      Alarms	CLUSTER UPGRADE ELIGIBILTY No Results			
슈 Events		Select Upgrade Type	Progress	
ANALYZE	Validating upgrade			
A performance  PROTECT  Protect Protect  Protect  Protect  Protect  Protect  Protect  Protect  Protect  Protect  Protect  Protect  Protect  Protect  Protect  Protect  Protec	HXAF-Cluster-01	Gersteines messides from package     Oracking closer state     Oracking closer state     Oracking closer state     Oracking closer relablance is in progress     Oracking closer relablance is in progress     Oracking closer relablance is on VMArea Virsual Conter     Oracking closer online and connected to Conter     Oracking closer online and connected to Conter     Oracking closer states in the space in rest parts on     Oracking closer closer loser with VMMa Data     Oracking closer configuration     Oracking closer configuration		
<b>, , , , , , , , , ,</b>				

**10.** Once the validation completes, Upgrade process starts.

≡ cisco HyperFlex Connect		HXAF-Cluster-01	(jii 2 ) 💮
Dashboard     MONITOR	CLUSTER UPGRADE ELIGIBILTY No Results		
ل Alarms			
ርፖ Events		Select Upgrade Type	Progress
Activity	Upgrade in progress		
Performance	Upgraded 1 of 3 total nodes		
PROTECT	a HV220.1		
Replication	In Progress	Copying and Extracting Upgrade Package(s)	
System Information	^ HX220-2	✓ Copying and Extracting Upgrade Package(s)	
Datastores	Succeeded	✓ Checking Cluster readiness	
📮 Virtual Machines		<ul> <li>Re-configuring storage controller VM as an EAM agent</li> </ul>	
Upgrade		✓ Upgrading Storage Node	
> Web CLI		✓ Walking for Datastores to be Accessible on the Node	
-		Entering Cluster Node into maintenance mode	
		Upgrading HX VIIIs on Hypervisor	
		Neurophyse route     Waking for vCenter to connect to cluster node	
		✓ Exiting Ouster Node from maintenance mode	
	A HX220-3	Oracling Cluster readiness	

11. Once the upgrade is successful on the HyperFlex nodes, wait for the Post upgrade tasks to be completed.

≡ <sup>shalls</sup> HyperFlex Connect	HXAF-Clust	er-01	3
Dashboard     MONITOR	CLUSTER UPGRADE ELIGIBILTY No Results		
Alarms     Events     Activity	Select Upgrade Type	Progress	
ANALYZE	C Upgrade in progress Upgraded 3 of 3 total nodes		
PROTECT	Expand Al     HXAF-Cluster-01     Ousser upgrade is complete. Running Post Upgrade Table     Infragrams		
MANAGE System Information	HX220-1 Succeeded		
Datastores     Virtual Machines	V HX220-2 Successfed		
T Upgrade	V HX220-3 Succeeded		
>_ Web CLI			

**12.** Once the Upgrade is completed, refresh the browser and access the HX Connect UI from the browser. You can see the HXDP upgraded to HXDP 4.0(2a).

cisco Cisco HyperFlex Connect
 HyperFlex
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# **ESXi Upgrade using HyperFlex Connect UI**

- ESXi Upgrade from 6.0 to 6.5 using HyperFlex Connect UI, on page 27
- ESXi Upgrade from 6.5 to 6.7 using HyperFlex Connect UI, on page 29

### ESXi Upgrade from 6.0 to 6.5 using HyperFlex Connect UI

1. Login to HX Connect UI, Go to Upgrade and Select ESXi. Check for the current ESXi Version installed.

=	cisco HyperFlex Connect		HXAF-Cluster-01	e e e e e e e e e e e e e e e e e e e
Ø	Dashboard	CLUSTER UPGRADE ELIGIBILTY No Results		
MON	ITOR			
Q	Alarms			
\$	Events	Select Upg	grade Type	Progress
Ê	Activity			
ANAL	YZE	UCS Server Firmware		
Lala	Performance	HX Data Platform		
PROT	ECT	ESXi		
C	Replication			
MANAGE			Drag the ESXI file here or click to browse	
Ħ	System Information			
]]]	Datastores	HX220-1 6.0.0-15169789		Burk
Ţ	Virtual Machines	VCenter credentials (F HX220-2 6.0.0-15169789	upgrade)	
T	Upgrade	User Name	Admin Password	
>	Web CLI	administrator@vsphere.local		0
-		Auto-support Settings When Auto-support is enabled, the cluster will periodically send in regarding potential issues and support cases. Enroll for Auto-support (Recommended)	similation about the deployment environment for the purpose of delivering proactive support and product impr	vements. Gisco may reach out with important notifications to the email address provieded

2. Click on "Drag the ESXi file here or click to browse", browse to the ESXi file location and upload the ESXi 6.5 U3 Upgrade bundle.

Also Enter the vCenter Credentials and Click on Upgrade.

≡ dealer HyperFlex Connect		HXAF-Cluster-01	0 0
Dashboard     MONITOR	CLUSTER UPGRADE EUGIBILITY No Results		
Alarms			
슈 Events	Select Upgrade Type		Progress
Activity ANALYZE	UCS Server Firmware HX Data Platform		
PROTECT	💌 ESXI		
Replication  MANAGE  System Information  Datastores	Current version: 6.0.0 Current hypevision deals:	HX-ESQ-6.5U3-15256549-Cisco-Custom-6.5.3.6 file is uploaded	Burde desits
Virtual Machines	of antar markantials (Recuired for Will Date Distorm or Visions SVI unpreda)		
↓ Upgrade	User Name	Admin Pessword	
>_ Web CLI	Administrator@vsphere.local	·······	
	Auto-support Settings When Auto-support is enabled, the cluster will periodically send information about the deploy regarding potential issues and support cases. Enroll for Auto-support (Becommended)	vment environment for the purpose of delivering proactive support and product improvements. Cisco me	y reach out with important notifications to the email address provieded below

3. Wait for the upgrade validation to be completed

≡ <sup>effedte</sup> HyperFlex Connect	HXAF-Cluster-01				
Dashboard     MONITOR     Alarms	CLUSTER UPGRADE ELIGIBILTY No Results				
슈 Events		Select Upgrade Type	Progress		
Activity	Validating upgrade				
Performance	HXAF-Cluster-01	✓ Checking cluster state			
PROTECT		Checking if cluster rebalance is in progress     Checking EAM Service Status on VMware Virtual Center			
MANAGE		Checking if all nodes are online and connected to vCenter     Checking if all controller VMs have ensuch free space in root partition			
System Information Datastores		Checking ESX Host Version on Cluster Nodes with INVMe Disks			
Virtual Machines		Validating If all nodes have same HyperFlax version for ESX only upgrade     Querying Hypervisor bundle details during upgrade			
Upgrade					

4. Once the validation completed, Upgrade of 3 HyperFlex nodes starts and completes one after one

≡ cisco HyperFlex Connect				HXAF-Cluster-01		(j) 21
⑦ Dashboard			Select Upgrade Type		Progress	
MONITOR	C Upgrade i	n progress				
Q Alarms	Upgraded 2	of 3 total nodes				
ស្តុំ Events	<ul> <li>Collapse Al</li> </ul>	1				
Activity	^	HX220-1	<ul> <li>Copying Hypervisor Upgrade Pa</li> </ul>	Package		
ANALYZE		Succeeded	<ul> <li>Checking Cluster readiness</li> </ul>			
An Performance			<ul> <li>Entering Cluster Node into main</li> </ul>	aintenance mode		
PROTECT			<ul> <li>Upgrading hypervisor</li> </ul>			
Replication			<ul> <li>Rebooting Cluster Node</li> </ul>			
C. Represent			<ul> <li>Waiting for vCenter to connect to</li> </ul>	t to cluster node		
MANAGE			<ul> <li>Exiting Cluster Node from main</li> </ul>	intenance mode		
System Information						
Datastores	^	HX220-2	<ul> <li>Checking Cluster readiness</li> </ul>			
Virtual Machines		in Progress	<ul> <li>Entering Cluster Node into main</li> </ul>	sintenance mode		
🕆 Upgrade			<ul> <li>Upgrading hypervisor</li> </ul>			
>_ Web CLI			<ul> <li>Rebooting Cluster Node</li> </ul>			
			Waiting for vCenter to connect to	t to cluster node		
	^	HX220-3	<ul> <li>Copying Hypervisor Upgrade Pa</li> </ul>	Package		
		succeeded	<ul> <li>Checking Cluster readiness</li> </ul>			
			<ul> <li>Entering Cluster Node into main</li> </ul>	vintenance mode		
			<ul> <li>Upgrading hypervisor</li> </ul>			
			<ul> <li>Rebooting Cluster Node</li> </ul>			
			<ul> <li>Waiting for vCenter to connect to</li> </ul>	t to cluster node		

5. ESXi has been upgraded on all the 3 nodes.

≡ disco HyperFlex Connect	HXAF-Cluster-01	(# 21 G
② Dashboard	CLUSTER UPGRADE ELIGIBILTY No Results	
MONITOR		
💭 Alarms		
🟠 Events	Select Upgrade Type	Progress
Activity	'↑' Upgrade Complete	
ANALYZE	<ul> <li>ESXi upgraded to: 6.5.0</li> </ul>	
Performance	10	
PROTECT	Refresh browser session to see upgrade changes	
C Replication		
MANAGE		
E System Information		
Datastores		
Virtual Machines		
T Upgrade		
>_ Web CLI		

### ESXi Upgrade from 6.5 to 6.7 using HyperFlex Connect UI

1. Login to HX Connect UI, Go to Upgrade and Select ESXi. Check for the current ESXi Version installed.

≡ <sup>effedfr</sup> HyperFlex Connect	HXAF-Cluster-01	Q ∎1 ▲1	©   ©			
Dashboard     MONITOR	CLUSTER UPGRADE ELGIBILTY No Results Test Upgrade Elgibility					
Q Alarms						
ណ្ដុំ Events	Select Upgrade Type Progress					
Activity ANALYZE	UCS Server Firmware HX Data Platform					
PROTECT	✓ ESXI					
Replication  MANAGE  System Information	Drag the ESX file here or click to browse					
Datastores	Current version: 55.5 Current hypervisor details HV220-1 6.5.0-15256549	Bi	undle details			
Virtual Machines	VCenter or endemtalls         6.5.0-15236549           vCenter or endemtalls         6.5.0-15236549           vLow Same         6.5.0-15236549					
> Web CLI	administrative@veptime.local					
	Auto-support Settings When Auto-support is realled; the cluster will periodically send information about the deployment environment for the purpose of delivering proactive support and product improvements. Cisco may reach out with important notifications to the regarding potential issues and support cases. Erroll for Auto-support (Recommended)	email address provied	ded below			

2. Click on "Drag the ESXi file here or click to browse", browse to the ESXi file location and upload the ESXi 6.7 U3 Upgrade bundle.

Also Enter the vCenter Credentials and Click on Upgrade.

$\equiv \frac{\mathrm{shah}}{\mathrm{cisco}}$ HyperFlex Connect		HXAF-Cluster-01	<b>₽ ¤ 1 ▲ 1</b>   ⊕   @				
Ø Dashboard MONITOR	CLUSTER UPGRADE ELIGIBILITY No Results						
다 Alarms 슈 Events	Select Upgrade Type		Progress				
Activity ANALYZE	UCS Server Firmware HX Data Platform						
PROTECT	SXI						
MANAGE		Hoc-ESXI-6.7U3-15160138-Cisco-Custom-6.7.3.3 file is uploaded					
<ul> <li>Datastores</li> <li>Virtual Machines</li> </ul>	Current version 6.5.0 Current hyperican dealls Bundle deall						
Upgrade	Daer Name Administrator@vsphere.local	Admin Password					
	Auto-support Settings When Auto-support is evabled, the cluster will periodically send information about the deploy regarding potential issues and support class. Enroll for Auto-support (Decommended)	ment environment for the purpose of delivering proactive support and product improveme	nts. Cisco may reach out with important notifications to the email address provieded below				

3. Wait for the upgrade validation to be completed

≡ cosco HyperFlex Connect		HXAF-Cluster-01	Q <b>e</b> t <b>a</b> t   {
Dashboard     MONITOR     Alarms	CLUSTER UPGRADE ELIGIBILTY No Results		
<ul> <li>Grade Control Co</li></ul>		Select Upgrade Type	Progress
ANALYZE	Validating upgrade		
Performance	HXAF-Cluster-01	Checking duster state     Checking duster state	
C Replication		Concomp in classer inclusion progress     Concoling EAM Service Status on VMware Virtual Center	
MANAGE		Checking if all nodes are online and connected to vCenter     Checking if all controller VMs have enough free space in root partition	
Datastores		Checking ESC Host Version on Cluster Nodes with NVMe Disks     Validating if all nodes have same HyperFlex version for ESO only upgrade	
T Upgrade		Querying Hypervisor bundle details during upgrade     Checking if ESX upgrade is required	
>_ Web CLI		✓ Checking LSN nodes have enough space to upload upgrade bundle	

4. Once the validation completed, Upgrade of 3 HyperFlex nodes starts and completes one after one.

dudit HyperFlex Connect	HXAF-Cluster-01	⊕ ∎1 ▲1   ©
Dashboard	Select Upgrade Type	Progress
NITOR Upgrade in prog Alarms Upgraded 2 of 3 tot Activity Activity	SS A220-1 A220-1 Citypying Hypervisor Upgrele Pakage Citypying Hypervisor Upgrele Pakage Citypying Hypervisor Citypying Cutyper Andress Citypying Cutyper Andress Citypying Cutyper Andres Citypying Cutypying Cutyper Andres Citypying Cutypying Cut	
g Jaynetin information     Jost Stores     Virtual Machines     Virtual Machines     Web CU	X220-2 control <ul> <li>Copying Hypervisor Upgrade Package</li> <li>Charling Cutator readmass</li> <li>Charling Cutator readmass</li> <li>Upgrading Hypervisor</li> <li>Reasong Cutator Index</li> <li>Waining Encloser Cutator Index</li> <li>Waining Encloser Index</li> <li>Exiting Cutator Index</li> <li>Exiting Cutator Index</li> <li>Charling Cutator Index</li> <li>Counting Cutator Index</li> <li>Countindex</li> <li>Counting</li></ul>	

5. ESXi has been upgraded on all the 3 nodes.

divide     HyperFlex Connect	HXAF-Cluster-01	Q 🖬 1 🗛 1 🛛 🗐 👘 💮
Dashboard      MONITOR     Alarms	CLUSTER UPGRADE ELIGIBILTY No Results	
슈 Events	Select Upgrade Type	Progress
Activity ANALYZE In Performance PROTECT	<ul> <li>T Upgrade Complete</li> <li>✓ ESKI upgraded to: 6.7.0</li> <li>Refresh browser session to see upgrade changes</li> </ul>	
Replication  MANAGE      System Information      Datastores		
↓ Virtual Machines ↑ Upgrade		
≿ Web CLI		



# **Issues and Related Documentation**

- Issues, on page 33
- Related Documentation, on page 33

### Issues

S.No	Defect ID	Description	Severity
1	CSCvs87611	M5 Current version is not discovered after upgrading HXDP from 3.5(2g) to 4.0(2a)	Major

### **Related Documentation**

#### **Cisco Downloads**

https://software.cisco.com/download/home/286305544/type/286305994/release/3.5(2g)

#### **Cisco HyperFlex Installation Guide**

https://www.cisco.com/c/en/us/td/docs/hyperconverged\_systems/HyperFlex\_HX\_DataPlatformSoftware/ Installation\_VMWare\_ESXi/3\_5/b\_HyperFlexSystems\_Installation\_Guide\_for\_VMware\_ESXi\_3\_5.html

#### **Cisco HyperFlex Upgrade Guide**

https://www.cisco.com/c/en/us/td/docs/hyperconverged\_systems/HyperFlex\_HX\_DataPlatformSoftware/ HyperFlex\_upgrade\_guide/4-0/b\_HyperFlexSystems\_Upgrade\_Guide\_for\_VMware\_ESXi\_4\_0/b\_ HyperFlexSystems\_Upgrade\_Guide\_for\_VMware\_ESXi\_4\_0\_chapter\_0110.html

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