ESXi-upgrade naar 7.0 U2 via HX Connect of Intersight mislukt met "CPU_SUPPORT WARNING"

Inhoud

Inleiding Achtergrondinformatie Probleem Oplossing Scenario A. HXDP + ESXi gecombineerde upgrade van HX Connect-gebruikersinterface Scenario B. HXDP + ESXi gecombineerde upgrade vanuit intersight

Inleiding

Dit document beschrijft het proces om ESXi naar 7.0 U2 te upgraden, dat kan mislukken op servers met de oudere generatie Central Processing Units (CPU's).

Achtergrondinformatie

De upgrade geïnitieerd via HX Connect of via Intersight toont het foutbericht: "Kan profiel HX-ESXi-7.0U2-17867351-Cisco-Custom-7.2.0.5" of "CPU_SUPPORT WAARSCHUWING: De CPU in deze host wordt in toekomstige ESXi-releases mogelijk niet ondersteund. Gelieve een dienovereenkomstige planning te maken."

De HyperFlex Data Platform (HXDP) versies die nodig zijn om dit probleem aan te pakken zijn:

HXDP 4.5(2a)

HXDP 4.5(1a)

HXDP 4.0(2f) en lager die ESXi 7.0 U2 ondersteunen

Probleem

Upgradepoging naar ESXi 7.0 U2 via HX Connect of Intersight op servers met CPU's van oudere generaties, met name de Sandy Bridge-EP (E5-2600), Ivy Bridge-EP (E5-2600v2) en Haswell EP (E5-2600v3) CPU-families. Raadpleeg VMware KB voor alle informatie over de processors waarop deze compatibiliteitscontrole invloed heeft: <u>VMware Knowledge Base.</u>

$\leftarrow \rightarrow \ \mathbf{C}$ (A Not set	ecure /#/clusters/1/upgrade?upgradeType=CLUSTER_UPGRADE_HXDP_AND_HYPERVISOR	Q	☆	*		÷
= diada HyperFlex Connect	-a		ĥ	٢	0	۹
② Dashboard	S Errors found during upgrade					
MONITOR Alarms Events Activity ANALYZE Performance	Upgraded 0 of 3 total nodes Colapse All Colapse All Succeeded UCS Succeeded Vucs Take					
PROTECT	UCS- Copying and Extracting Upgrade Package(s) Failed					
MANAGE System Information Solution Solu	VCS: Upgrading hypervisor EXX Copying and Existing Upgrade Package(5) Checking Cluster resolities Upgrading hypervisor Upgrading hypervisor Upgrading hypervisor Relinquish node Relinquish node Weising for Datasteres to be Accessible an the Node Weising for Datasteres to be Accessible an the Node Weising for Datasteres to be Accessible an the Node Texts Weising for Datasteres to be Accessible an the Node Exts Weising for Datasteres to be Accessible an the Node Exts					

Cluster Time : 07/08/2021 12:44:11 AM PD

Foutmelding HX Connect

=	cisco Intersight	Requests > Upgrade HyperFlex Cluster > Update node of	ucs D = 54 ▲ 36 D Q @ @	
<u>08a</u>	MONITOR	Details	Execution Flow	
ଜ	OPERATE ^	Status D Failed	ucs min Update Host OS Jul 13;	
	Servers	Name Update node ucs ID 60ev 15f	Node upgrade failed: Failed task - Failed to Upgrade Hypervisor Failure reason - Failer to Upgrade Hypervisor, FairdwareEmoth Hardware preclack of grafit 7.002.77867351-06.202.0210m7-2.03.51ailed with warnings - CPU.SUPPORT VARNING. The VPU in this host may note be supported in Undure SEX releases. P accordingly-in n Apply-no-hardware-warning option to ignore the warnings and proceed with the transaction n Please refer to the log file for more details.	lle HX-ESXi- Yease plan
	Fabric Interconnects	Target Type HyperFlex Cluster Node	O uos il 1: Update Vilos Jul 13,	
	HyperFlex Clusters	Target Name ucs Source Type HyperFlex Cluster Profile	⊘ ucs-lin I: Enter Host Maintenance Mode Jul 13.	
×	CONFIGURE ^	Source Name ucs _cluster	ucs Validate DRS is Enabled and Fully Automated Jul 13;	
	Profiles	Initiator Start Time Jul 13, 2021 11:09 PM	🖉 ucs 🛛 I: Run Post Node Relinquish Task Jul 18,	
	Templates	End Time Jul 13, 2021 11:35 PM	💿 ucs-III: Upgrade HXDP Jul 13.	
	Policies	Duration 26 m 11 s	🖉 ucs 🖩 I: Enter HXDP Maintenance Mode Jul 13.	
ē	ADMIN ^	Organizations default	ucs II: Collect Preconditions for Upgrade	
	Targets			
	Software Repository			

Oplossing

Scenario A. HXDP + ESXi gecombineerde upgrade van HX Connectgebruikersinterface

Voor dit scenario upgrade je HXDP naar 4.5(2a) en ESXi naar 7.0 U2 Build 17867351.

Stap 1. Upgrade eerst HXDP.

Stap 1.1. Download het HXDP-pakket via

https://software.cisco.com/download/home/286305544/type/286305994/release/4.5(2a) zoals in de afbeelding:

← → C in software.cisco.com/download/home/286305544/type/286305994/release/4.5(2a)								
Downloads Home / Hyperconverged Infrastruc	cture / HyperFlex HX Data Platform / HyperFlex HX Data Platform- 4.5	(2a)						
Q Search Expand All Collapse All Suggested Release ✓ 4.0(2f) €	HyperFlex HX Data Platform Release 4.5(2a) A My Notifications	Related Links Recommended So Release Note for 4	and Documentation ftware Releases .5(2a)					
Latest Release	Cisco strongly recommends following the Cisco HyperFlex R version for your HX-Series System.	ecommended Softwa	re Release Page to select the be					
4.0(2f) 😯	File Information	Release Date	Size					
3.5(2i)	Cisco HyperFlex Data Platform Installer for VMware ESXI Cisco-HX-Data-Platform-Installer-v4.5.2a-39429-esx.ova	30-Jun-2021	3528.53 MB					
2.6(1e)								

Stap 1.2. Open de HX-Connect, kies Upgrade, controleer het selectievakje HX Data Platform, upload het pakket, voer de gebruikersnaam en het **Wachtwoord** voor **beheerder Credentials vCenter in** en klik op **Upgrade** zoals in het beeld:

$\leftarrow \ \ \rightarrow \ \ C$	A https://10 98/#/clusters/1/upgrade?upgradeType=CLUSTER_UPGRADE_HXDP	67% 🖒	⊚ ≡
	UC -CL	Q ▲1 🛱 🕸	יו ⊚ ס ג
Dashboard MONITOR Alarms	CLUSTER UPGRADE ELIGIBILITY NO Results	Test Upgrade Eligibility	
☆ Events	Select Upgrade Type	Progress	
ANALYZE	UCS Server Firmware ③		
PROTECT Profile Profil	storfs-packages-4.5.2a-39429 file is uploaded Current HXDP version: Version(4.5.2a-39429) Current cluster details Current Cetalog version: Current Cetalog version:	Version(4.5.2.39429) Current catalog details Bundle v	rersion: 4.5.2a-39420
C iSCSI	ESXI Secure Boot mode ©		
Web CLI Kubernetes	vCenter Credentials Admin password Username Admin password administor sor@vsphere.local Image: Control of the sort of the		

HX connect upgrade HXDP

Ga verder naar stap 2 als de upgrade is voltooid.

Stap 2. Open de HX Connect, kies **Systeeminformatie > Knooppunten**, kies het knooppunt waarop u Esxi wilt upgraden en klik op **Enter HX Maintenance Mode** zoals in de afbeeldingen.

← → C /	Not secur	e 10							२ 🕁 🛸 😩	:
= the Hyperflex Connect				UC (a				₽ ▲1 1 0 0	٩
Deshboard	System Overview	Nodes Disks							Last refreshed at 07/08/2021 12:46:59 Ft/. (
MONITOR	⊙ Enter HX Main	tenance Mode 🛛 Exit HX Maintenance	Mode						@ Y Riber	
Alarms	Node	Hypervisor Address	Hypervisor Status	Controller Address	Controller Status	Model	Version	Disks	Command Line Mode	
1 Evens	219	10 64	Online	10 68	Online	10(2200-4/45	4.5(28)	1.0	Root shell ①	
ANALYZI	220	10. 65	Onine	10 169	Online	H0220C-M45	4.5(2#)		Root shell ①	
La Performance	221	10 66	Online	10 70	Online	H0(220C-M45	4.5(2a)	8	Root shell ①	
PROTECT	1-3 of 3									
MANAGE										
System Information										
E DALESONES										
 Vicual Machines 										
T Upgrade										
>_ Web CU										
Kubernetes										

HX connect knooppunten

← → C 🚺	Not secure 1098/#		
= ^{-(h,c)} _{cisco} HyperFlex Connect			UC -CL
Deshboard	System Overview Nodes Disks		Confirm HX Maintenance Mode ① ②
MONITOR	Enter HX Maintenance Mode G Exit HX Maintenance	Mode	
Alarms Alarms	Node ^ Hypervisor Address	Hypervisor Status	Co () Itus Model Version Disks
M Activity	219 10. 164	Online	10. H0(220CAM45 4.5(2a) 8
ANALYZE	-220 10 65	Online	HX Maintenance Mode ensures that the entire 10 hyperconverged node including the host, enters maintenance. 8
E Performance	-221 10. 1.66	Online	10 A host in Maintenance Mode is enabled but does not HK220C-M4S 4.5(2e) 8 perform any function on virtual machines, including
PROTECT D Replication	1-3 of 3		virtual machine provisioning. Virtual machines running on the host entering Maintenance Mode may needs to be powered of or migrated manually to different hosts. The Enter NX Maintenance mode task.
MANALE System Information Datastores SISS Virtual Machines Virtual Machines Virtual Machines Virtual Machines Virtual Machines Virtual Machines Virtual Machines Virtual Machines			doe not complete, unit all running virtual machines er powerd of Growmastad. Do you want to put the selected host in HX Mansenance Mode? Cancel Enter HX Maintenance Mode

HX connect onderhoudsmodus pop-up

U kunt de volledige activiteit zien onder het tabblad Activiteit zoals in de afbeelding:

← → C 🚺	Not secure 10. 98/#/clusters/1/activity			Q	☆	*	
= the Hyperflex Connect		uc -cı.		0 🔺 1	0	001	0
② Deshboard	Filter Filter Isted tasks						
MONITOR Q Alerms	Activity @Montor progress of recent tasks on the HX storage cluster.			Lastrafia	enes es sitis	18-2021 12-4	8-20 Pit
☆ Events	 Collepse All 						
Activity	Validate enter maintenance mode for node >219						
ANALYZE	Status: Success 07/08/2021 12:48:45 PM	Parallel usits check	 Error maintenance mode task is not running for other rodes and for other site rodes in stretch cluster 				
a Performance		vCenter availability check	 Cluster should be registered with cCenter 				
PROTECT		vČenier reachability check	✓ «Center is readuble from «Center				
Replication		Maintenance mode state check	 Check the node is not in matteriance mode 				
MANAGE		VM Mgration check	 Check VM Mgration is enabled in all nodes 				
System Information		Outlier health check	 Allow maintenance mode only for healthy duster 				
E Detastores		Nodes availability check	 Check number of nodes available to subrate this node into maintenance mode 				
E) (6C9)							
Virtual Machines	 Croter mainteenance mode for node -219 Status: Success 						-
T Upgrade	07/08/2021 12:48:45 PM	Erzer Maintenance Mode	 Validate enter maintenance mode for node ucs 219 Parallel tasks check: Enter maintenance mode task is not numing for other nodes and for other site nodes in stretch cluster 				
>_ Web CU			vCenter availability check: Outlan should be registered with vCenter vCenter reachability check: vCenter is reachable from vCenter				
Kubernetes			 Maintenance mode state check; Check the note is not in maintenance mode 				
			 Yeb Migration check. Check Yeb Migration is enabled in all notes. Cluster health check Allow maintenance mode only for healthy cluster. 				
			 Nodes availability sheds. Check number of nodes available to tolerate this node into maintenance mode 				
		Enter vCercer Maintenance mode	✓ Initials the enter maintenance mode in vCenter				
		Wait for VM regration to be completed	Whengration will take time based on number of user Whs				
		Refinquich the node	✓ Shating down such possibily:				
		Power of controller VM	 Powering off the controller VM 				
		vCenter maintenance mode Lask	 Waiting for maintenance mode task to be completed in vCenter 				

HX connect Activity tabblad

Stap 3. Secure Shell (SSHI) in de ESXi-host die als root in de onderhoudsmodus is geplaatst.

Stap 4. Maak een map en upload het ESXi-pakket.

Stap 4.1. Start de opdracht: mkdir/hxpatch

Stap 4.2. Maak een ramdisk om pakket op te slaan met de opdracht: esxcli systeem visorfs ramdisk add -m 500 -M 500 -n hxpatch -t /hxpatch -p 0755.

Stap 5. Download ESXi-7.2.0.5 pakket van Cisco downloads naar een lokale repo met de link <u>https://software.cisco.com/download/home/286305544/type/286305994/release/4.5(2a)</u> zoals in de afbeelding:



Stap 5.1. Kopieer het pakket van de lokale repo naar **/hxpatch-**map. In het onderstaande voorbeeld wordt WinSCP gebruikt:

ote Help							
Transfer	Settings Default	• <i>ฮ</i> •					
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Stap 6. SSH terug in de host in onderhoudsmodus.

Stap 7. Start deze opdracht om de pakketprofielgegevens te bekijken: **ESXCLI-softwarebronnen profiellijst —depot=/hxpatch/HX-ESXi-7.0U2-17867351-Cisco-Custom-7.2.0.5-upgrade-bundle.zip** zoals in de afbeelding:

[root@	ces prof	ile listdepot=/	hxpatch/HX-ESXi-7.0U2	-17867351-Cisco
Name	Vendor	Accentance Level	Creation Time	Modification T
ime	Venuor			Hourication 1
HX-ESXi-7.0U2-17867351-Cisco-Custom-7.2.0.5	Cisco	PartnerSupported	2021-04-29T18:21:43	2021-04-29T18:
21:43				
[root@220:/hxpatch]				

Stap 8. Start deze opdracht om het ESXi-pakket te upgraden naar 7.0 U2:

```
esxcli software profile update --allow-downgrades -d /hxpatch/HX-ESXi-7.0U2-17867351-Cisco-
Custom-7.2.0.5-upgrade-bundle.zip -p HX-ESXi-7.0U2-17867351-Cisco-Custom-7.2.0.5 --no-hardware-
warning
```

Stap 9. Start de host opnieuw op.

Stap 10. SSH in de host en verifieert de versie met de opdracht: vmware -v.

```
The time and date of this login have been sent to the system logs.

WARNING:

All commands run on the ESXi shell are logged and may be included in

support bundles. Do not provide passwords directly on the command line.

Most tools can prompt for secrets or accept them from standard input.

VMware offers supported, powerful system administration tools. Please

see www.vmware.com/go/sysadmintools for details.

The ESXi Shell can be disabled by an administrative user. See the

vSphere Security documentation for more information.

[root@ -220:~] vmware -v

VMware ESXi 7.0.2 build-17867351

[root@ -220:~]
```

Stap 1. Verlaat het knooppunt van de onderhoudsmodus en wacht tot het cluster gezond is.

Stap 11.1. Open de HX-Connect, kies **Systeeminformatie> Knooppunten**, kies het knooppunt in de onderhoudsmodus en klik op **Afsluiten HX-onderhoudsmodus** zoals in de afbeeldingen wordt getoond:



HX Connect-knooppunten

← → C ▲	Not secure 10							२ 🖈 🛊 😩 :
= the Hyperflex Connect			UC 4	α				Q▲1 🕅 @ © A
② Deshboard	System Overview Nodes Disks							Lest refreshed at 07:05:0021 12:46:59 R/
Alarms	O Enter HX Maintenance Mode O Exit HX Maintenance / Node A Hypervisor Address	Hypervisor Status	Controller Address	Controller Status	Model	Version	Disks	Command Line Mode
Activity	219 10 64	Online	10 68	Online	H0220C-M45	4.5(2a)		Root shell ①
ANAUTZI	221 10 66	Online	10 70	Online	102200445	4.5(2a)		Root shell ①
PROTECT	1-3 of 3							
WMAKE System Information Solution Content Solution Virtual Mechines Tupgrade Note Cu Kubernetes								

HX-connect afrit MM

Stap 11.2. Het HX Connect Dashboard toont u de operationele status, het moet **Online** zijn, en de Resiliency Health moet **gezond zijn**.

≡ ^{altala} HyperFlex Connect		and and a second s	4 💷 菌 💷 O &
Dashboard	OPERATIONAL STATUS Online ©	① Clus	ster License not registered
Alarms	RESILIENCY HEALTH Healthy ①	✓ 1 N	ode failure can be tolerated
録 Events	CAPACITY 6 TB	1.2% STORAG 71.2 GB Used 6 TB Free OPTIMU	E Compression 77%

Stap 12. Herhaal stap 2-11 op alle knooppunten die deel uitmaken van het cluster, één voor één.

Na voltooiing van de ESXi-upgrade kunt u de versiegegevens zien op de Toetsenbord, Video, Muis (KVM)-console van de HX-server, zoals in de afbeelding:

cisco. UCS KVM	
KVM Console Properties	
	VMware ESXi 7.0.2 (VMXernel Release Build 17067351)
	Cisco Systems Inc H0220C-MS
	2 x Intel(R) Xeon(R) CPU ES-2600 v3 9 2.500Hz 303.9 G18 Memory

U kunt binnen HX Connect ook verifiëren dat de nieuwe ESXi-versie op het tabblad **Systeeminformatie** aanwezig is zoals in de afbeelding wordt getoond:

\leftarrow	\rightarrow (C	0 8	https://10.98////clusters/1	/servers?tab={°id":"Server","	"index":0}		☆		${igodot}$	=
=	 cisco	HyperFlex Connect			UC	-CL	Q 🔺 1	Ê	Θ	0	æ
0	Dashb	ooard	^	Hyperconverged Nodes			Disk View Options	~ Di	sk View Leg	end	
	ITOP			Node	Hypervisor	HyperFlex Controller	Disk Overview (8 in use)				
MUN	ITOK			-219	🥝 Online	🤣 Online					
Q	Alarm	S		HX220C-M45	10. 64	10					
ជ	Events	s			6.7.0-17499825	4.5.2a-39429	0 ,				
n	Activit	y									
				Node	Hypervisor	HyperFlex Controller	Disk Overview (8 in use)				
ANA	LYZE			.220	Online	Online	1 2 3 4 5 6 7 8				
Lala	Perfor	rmance		HY220C MAG	10. 65	10					
				HX220C-M45	7.0.2.17867351	4.5.2a-39429	¢ /				
PRO	TECT				1012-11001001	10.60 00 460					
ſ	Replic	ation									
				Node	Hypervisor	HyperFlex Controller	Disk Overview (8 in use)				
MAN	AGE			-221	🥝 Online	🤣 Online					
E	Syster	n Information		HX220C-M4S	1066	1070					
	Datas	tores	~		6.7.0-17499825	4.5.2a-39429	¢ /				

HX connect bijgewerkt Esxi

Scenario B. HXDP + ESXi gecombineerde upgrade vanuit intersight

Voor dit scenario upgraden u HXDP naar 4.5(2a) en ESXi naar 7.0 U2 Build 17867351 van Intersight.

Stap 1. Als een van de HX-servers in de onderhoudsmodus staat, start u deze server opnieuw op via vCenter of de KVM-console van ucs.

221_dc	😴 Deploy OVF Template	Adapter
✓ [] 221_cl	A New Resource Pool	el: USB Storage Controller
-219.eng.storvisor.com	P+	♦ vmhba32
-220.eng.storvisor.com	Bå New VApp	el: Wellsburg AHCI Controller
-221.eng.storvisor.com (Maintenance Mode)	Import VMs	⟨→ vmhba0
武 stCtIVM-	Maintenance Mode	vmhba1
ਰ stCtIVM-	Connection	•
-clone1	Power	Power On
-clone10		
-clone2	Certificates	Enter Standby Mode
් -clone3	Storage	Shut Down
🔂 -clone4	6t Add Notworking	
🔂 -clone5	S Add Networking	a Reboot
-clone6	Host Profiles	•
-clone7	Europet System Long	
🔂 -clone8	Export System Logs	
-clone9	Reconfigure for vSphere HA	
-VM	🖎 Assign License	

Stap 2. Nadat de server is opgestart, verlaat u de HX-onderhoudsmodus van de HX Connect UI. Open de HX-Connect, selecteer **Systeeminformatie > Knooppunten**, kies de knooppunt in de onderhoudsmodus en klik op **HX-onderhoudsmodus afsluiten.** Stap 3. Sta een paar minuten toe voor de Hyperflex Cluster om de genezing te voltooien. Het HX Connect **Dashboard** toont u de operationele status, het moet **online** zijn, en de Resiliency Health moet **gezond** tonen.

≡ ^{altada} HyperFlex Connect		80×80	Q 💼 📋 💷 O 🕰
Dashboard	OPERATIONAL STATUS Online ©		Cluster License not registered
Alarms	-∕∕⊷ RESILIENCY HEALTH Healthy ⊙		✓ 1 Node failure can be tolerated
Activity	CAPACITY 6 TB	1.2% 71.2 GB Used 6 TB Free	STORAGE Compression 77% OPTIMIZATION Deduplication 0%

Stap 4. Open Intersight, kies **Upgrade**, klik op **Expert Mode > Upgrade HyperFlex Data Platform** zoals in de afbeeldingen:





<u>01</u> 0	MONITOR	⊡ Progress	Step 2	
θ	OPERATE ^		Compatibility Check	
	Servers	Version Selection	Ensure all clusters meet the upgrade requirement If any cluster does not meet the pre-upgrade	5.
	Chassis	Computibility Check	requirements, unselect the cluster and continue t the upgrade.	with
	Fabric Interconnects	Summary		
	HyperFlex Clusters		All clusters meet upgrade requirements	
×	CONFIGURE ^			
	Profiles		1 items found 10 √ per page K < 1 of 1	
	Templates		Q. Add Filter	
	Policies		Name HyperFlex Data Platf_ Hypervisor	
	Pools		_cluster 4.0.25-35930 🛞 VMware ESXi 6.7.0 U3 (1)	(499825)
Ð	ADMIN ^		Selected 1 of 1 Show Selected Unselect All 🛛 🔀 🤇	1 of 1 D D
	Targets			
	Software Repository			



Step 3 Summary Review all selections before startion the

Target Version		
HyperFlex Data Platform Version 4.5(2a)-39429		
Clusters to be upgraded 1		
	Upgrade (1 HyperFlex Cluster)	
	Upgrade starts immediately on all selected clusters. When the data path	
	two node clusters, the migration of VMs will be attempted automatically. For three node or larger clusters, enable and set DRS to fully automatic	
_cluster	mode. If DRS is not available, manually migrate the VMs when prompted, to ensure that the upgrade can continue.	re ESXi 6.7.0 U3 (17499825)
	Cancel Upgrade	

Stap 5. U kunt het begin en vervolgens het einde van de upgrade bekijken:

=	cisco Intersight	Requests > Upgrade HyperFlex Cluster	ᢗ ॼ \$3 ▲ 35 │ ┌? │ �, │ @ │ ⊙	
th	MONITOR	Details	Execution Flow	
φ	OPERATE ^	Status © Success	I III 220: Cleanup taska after upgrade Jul 14, 3	
	Servers Chassis	Name Upgrade HyperFlex Cluster ID 60et36d8696/6e2d3071v9db	O 219: Clearup Laska after upgrade Jul 14,3	
	Fabric Interconnects	Target Type HyperFlex Cluster ucs221_cluster	O 221: Cleanup taska after upgrade Jul 14, 3	
	HyperFlex Clusters	Target Name	Running Cluster Post-Upgrade Hooks Jul 14, 3	
×	CONFIGURE ^	Source Type HyperFlex Cluster Profile	O 220: Update node View Execution Row Jul 14, 3	
	Profiles	Source Namecluster	O 219: Update node View Execution Row Jul 14, 3	
	Templates	Inflator Start Time Jul 14, 2021 12:11 PM	O 221: Update node View Execution Flow Jul 14, 20	
	Policies	End Time Jul 14, 2021 2:10 PM	S 220: Run Node Level Validations for Upgrade Jal 14, 20	
œ	ADMIN 0	Duration 1 h 59 m 25 s	O 219: Run Node Level Validations for Upgrade Jul 14, 20	
	Targets	Organizations default	Superson State Level Validations for Upgrade Jul 14, 20	
	Software Repository		Run Validations for Upgrade Jul 14, 20	

Stap 6. Start de ESXi upgrade voor elke server. Kopieer de ESXi 7.0 U2 upgrade bundel naar de ESXi hosts.

Stap 6.1. Download de ESXi 7.0U2 upgrade bundel van Cisco downloads met de link https://software.cisco.com/download/home/286305544/type/286305994/release/4.5(2a)

Stap 6.2. Kopieer op elke ESXi-host de ESXi 7.0U2-upgradebundel naar een beschikbare datastore-map (gebruik methoden zoals scp, web). Na voltooiing moet u zien:

```
[root@ucs-221:/vmfs/volumes] pwd
/vmfs/volumes
[root@ucs-221:/vmfs/volumes] ls
                                                           60ee5dfc-6f05dc8b-05cf-0025b5b1a116
MyDataStore
60ef8a79-63aadd3f-ee0d-0025b5b1a116
                                                          BOOTBANK2
SpringpathDS-FCH2008V1M1
. .
[root@ucs-221:/vmfs/volumes] cd MyDataStore /
[root@ucs-221:/vmfs/volumes/ac08f584-9a2f8a67] ls -al
total O

      drwx-----
      1 root
      root
      686 Jul 14 05:19 .

      drwxr-xr-x
      1 root
      root
      512 Jul 15 01:21 ..

      -rw-r--r--
      1 root
      root
      391417386 Jul 15 00:55 HX-ESXi-7.0U2-17867351-Cisco-Custom-

7.2.0.5-upgrade-bundle.zip
drwxr-xr-x 1 root root
                                                  2793 Jul 14 20:03 ucs221-VM
```

[root@ucs-221:/vmfs/volumes/ac08f584-9a2f8a67] pwd

/vmfs/volumes/ MyDataStore

Stap 7. Open de HX-Connect, kies **Systeeminformatie > Knooppunten**, kies het knooppunt waarop u Esxi wilt upgraden en klik op **Enter HX Maintenance Mode** zoals in de afbeeldingen wordt getoond:

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Deshboard	System Overview	Nodes Disks							Last refreshed at \$7.08-2021	124659 PV
MONITOR	C Enter HK Maint	tenance Mode 🛛 Exit HX Maintenance Mod	•						© ≤ Riber	
Alarms	Node	Hypervisor Address	Hypervisor Status	Controller Address	Controller Status	Model	Version	Disks	Command Line Mode	
1 Advity	219	10 64	Online	10 68	Online	H0220C-M45	4.5(2a)	1.0	Root shell ①	
ANALYZI	220	10. 65	Online	10 169	Online	H0220C-M45	4.5(2a)		Root shell ①	
La Performance	221	10 66	Online	10 70	Online	H0220C-M45	4.5(2e)		Root shell ①	
PROTECT	1+3 of 3									
MANAGE										
System Information										
E BABRONES										
Virtual Machines										
1 Upgrøde										
>_ Web CU										
Kubernetes										

HX Connect-knooppunten



U kunt de volledige activiteit zien onder het tabblad Activiteit zoals in de afbeelding:

\leftrightarrow \rightarrow C \blacktriangle	Not secure 10. 98/#/clusters/1/activity				Q	☆		-
= texter Hyperflex Connect		uc -cı.			0 🔺 1	0	UD 1	0
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MONITOR Q Alerms	ACTivity @Monitor progress of recent tasks on the HX storage Custer.				Let wh	estied at 071	08/2021 12	249:20 PM
☆ Events								
Activity	Nalidate enter maintenance mode for node -219							
ANALYZE	Status: Success 07/06/2021 12:48:45 PM	Parallel sales check	 Enter maintenance mo 	de sask is not running for other nodes and for other site nodes in stretch cluster				
E Performance		vCenter availability check	 Custer should be regit 	and with of secar				
PROTECT		vCenter reachability check	🖌 – vCenter is reachable fr	un Kenter				
Replication		Maintenance mode state check	 Check the node is not 	n maintenance mode				
MANAGE		VM Migration check	 Check VM Mgradion is 	enabled in all nodes				
System Information		Outlier health check	 Also nairceans no 	de only for healthy dusser				
E Detastores		Nudes availability check	 Check number of note 	s available to subrate this node into maintenance mode				
E) (\$C\$1								
Virtual Machines	Status: Success						_	
	07/08/2021 12:48:45 PM	Liter Mantenance Mode	 Validase enter mainter Parallel tasks ti 	ance mode for node ucs 219 heck: Enter maintenance mode seak is not nurning for other nodes and for other site nodes in stretch-cluster				
>_ Web CU			 Content available Vicentier reaches 	ility check: Outlan should be registered with vCenter bility check: vCenter is reachable from vCenter				
Kubernetes			 Maintenance i VM Migration i Curier health Nodes available 	uder stazer dheiki. Oleak dhe noder lat nat is maintennanze moder Ihnal, Oleak VM fühgralism in endeltelle in all molen Ihnak. Alloam natesenanze moder vilje hankelijk ofsteler Sty dheak. Oleak nambler af noder available is sidensite this noder into maintennanze moder				
		Ercer vCercer Maintenance mode	 Initiate the enter main 	anance mode in oCenter				
		Wait for VM migration to be completed	🖌 Minipaton all tala	time based on number of user VMs				
		Relinquish the node	🖌 Shutting down storts j	a schuby				
		Power off controller VM	 Powering of the contr 	alter VM				
		vCenter mantenance mode Lask	 Wating for maintenant 	ce mode task to be completed in vCenter				

Stap 8. SSH naar de ESXi-host die zich in de HX-onderhoudsmodus bevindt.

Stap 8.1. Zoek de naam van het upgradebundelprofiel:

```
[root@abcd-221:/vmfs/volumes/ac08f584-9a2f8a67] esxcli software sources profile list --
depot=/vmfs/volumes/0714051143/HX-ESXi-7.0U2-17867351-Cisco-Custom-7.2.0.5-upgrade-bundle.zip
Name Vendor Acceptance Level Creation Time
Modification Time
HX-ESXi-7.0U2-17867351-Cisco-Custom-7.2.0.5 Cisco PartnerSupported 2021-04-29T18:21:43
2021-04-29T18:21:43
```

Stap 8.2. Voer de upgradeopdracht uit met de parameter zonder hardware-waarschuwing:

[root@abcd-221:/vmfs/volumes/ac08f584-9a2f8a67] esxcli software profile update -depot=/vmfs/volumes/0714051143/HX-ESXi-7.0U2-17867351-Cisco-Custom-7.2.0.5-upgrade-bundle.zip -profile HX-ESXi-7.0U2-17867351-Cisco-Custom-7.2.0.5 --no-hardware-warning

Stap 8.3. U ziet een succesbericht zodra de upgrade is voltooid:

Update Result Message: The update completed successfully, but the system needs to be rebooted for the changes to be effective. Reboot Required: true Stap 9. Start de host opnieuw op.

Stap 10. Log in op de ESXi-host en controleer de nieuwe versie met de opdracht: vmware -v.

The time and date of this login have been sent to the system logs. WARNING: All commands run on the ESXi shell are logged and may be included in support bundles. Do not provide passwords directly on the command line. Most tools can prompt for secrets or accept them from standard input. VMware offers supported, powerful system administration tools. Please see www.vmware.com/go/sysadmintools for details. The ESXi Shell can be disabled by an administrative user. See the vSphere Security documentation for more information. [root@ -220:~] vmware -v VMware ESXi 7.0.2 build-17867351 [root@ -220:~]

Stap 1. Zodra de server is opgestart, verlaat u de **HX Maintenance Mode** vanuit de HX Connect UI. Open de HX-Connect, kies **Systeeminformatie > Knooppunten**, kies het knooppunt in onderhoudsmodus en klik op **Afsluiten HX-onderhoudsmodus** zoals in de afbeeldingen wordt getoond:





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= 🚓 Hyperflex Connect			UC	-a				○▲ ፣ [🕅]	0 0 4
O Deshboerd	System Overview Nodes Disks							Last refreshed at 07.08-20	0 12409R
MONITOR	⊖ Enter HX Maintenance Mode G Exit HX Maintena	nce Mode						₫ × Riber	
Q. Alarms	Node ^ Hypervisor Address	Hypervisor Status	Controller Address	Controller Status	Model	Version	Disks	Command Line Mode	
12 Evens	219 10 64	Online	10 68	Online	H0(220C-M45	4.5(28)		Root shell ①	
ANALYZI	220 10. 65	Online	10 169	Online	H0220C4M45	4.5(2a)	8	Root shell ①	
a Performance	221 10 66	Online	10 70	Online	H0220C-M45	4.5(2a)		Root shell ①	
PROTECT	1-3of3								
MANAGE									
System Information									
E Detestores									
Co desi									
T Upgrade									
>_ Web CLI									
Kubernetes									

HX-aansluitpunt MM

Stap 12. Sta een paar minuten toe voor de Hyperflex Cluster om de genezing te voltooien. Het HX Connect **Dashboard** toont u de operationele status, het moet **online** zijn, en de Resiliency Health moet **gezond** tonen.

≡ ^{altata} HyperFlex Connect		Reveal of	Q 💼 📋 💷 O &
O Dashboard	OPERATIONAL STATUS Online ©	 Cluster 	License not registered
MONITOR Q Alarms		🖌 1 Node	failure can be tolerated
☆ Events ① Activity	CAPACITY 6 TB	1.2% STORAGE 71.2 GB Used 6 TB Free OPTIMIZATH	ON (77.0%) Compression 77% Deduplication 0%
AMALV7E			

Stap 13. Herhaal stap 6.-12. voor elke ESXi-host 1 tegelijk. Zorg ervoor dat de clusterstaat **gezond** laat zien voordat u naar het volgende knooppunt gaat.

Over deze vertaling

Cisco heeft dit document vertaald via een combinatie van machine- en menselijke technologie om onze gebruikers wereldwijd ondersteuningscontent te bieden in hun eigen taal. Houd er rekening mee dat zelfs de beste machinevertaling niet net zo nauwkeurig is als die van een professionele vertaler. Cisco Systems, Inc. is niet aansprakelijk voor de nauwkeurigheid van deze vertalingen en raadt aan altijd het oorspronkelijke Engelstalige document (link) te raadplegen.