ESXi通過HX Connect或Intersight升級到7.0 U2失 敗,並顯示「CPU_SUPPORT WARNING」

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簡介

本文檔描述了將ESXi升級到7.0 U2的過程,在運行舊一代中央處理器(CPU)的伺服器上此過程可能 會失敗。

背景資訊

通過HX Connect或Intersight啟動的升級顯示故障消息:「未能應用配置檔案HX-ESXi-7.0U2-17867351-Cisco-Custom-7.2.0.5」或「CPU_SUPPORT警告:未來的ESXi版本可能不支援此主機 中的CPU。請相應地規劃」。

解決此問題所需的Hyperflex資料平台(HXDP)版本如下:

HXDP 4.5(2a)

HXDP 4.5(1a)

支援ESXi 7.0 U2的HXDP 4.0(2f)及更低版本

問題

在運行較舊一代CPU的伺服器上嘗試通過HX Connect或Intersight升級到ESXi 7.0 U2,特別是 Sandy Bridge-EP(E5-2600)、Ivy Bridge-EP(E5-2600v2)和Haswell EP(E5-2600v3)CPU系列。有關 受此相容性檢查影響的處理器的完整詳細資訊,請參閱VMware KB<u>:VMware知識庫。</u>

\leftrightarrow \rightarrow \mathcal{C} (A Not set	C 🔺 Not secure /#/clusters/1/upgrade?upgradeType=CLUSTER_UPGRADE_HXDP_AND_HYPERVISOR Q 😭 🖈						
= ^{albala} HyperFlex Connect		-cu		ĥ	۲	0	۹
② Dashboard	Errors found during upgrade						
MONITOR	Upgraded 0 of 3 total nodes						
Alarms	△ Collapse All						
😭 Events	~ UCS	Running Cluster Pre Upgrade Tesks					
Activity	Succeeded						
ANALYZE	A UCS- Failed						
PROTECT	A UCS-	✓ Copying and Dotracting Upgrade Package(s)					
MANAGE	A UCS	Upgrading hypervisor ES01 voggrade failed on host 10.104.0.66. Failed to apply profile HK-ES0-7.0422-17867351-Coxee-Custom-7.2.0.5					
Datastores		 Copying and Extracting Upgrade Package(s) 					
lis csi		✓ Checking Duster readiness					
Virtual Machines		✓ Upgrading Storage Node					
↑ Upgrade		✓ Reinquish node					
>_ web CLI		Running Post Relinquish Node Tasks					
Kubernetes		vraturg for wassons to be Accessible of the Node Enseina Churter Node into maintenance mode					
_		Running Post Enter Host Maintenance Mode Tesks					

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

HX連線錯誤消息

-	cisco Intersight	Requests > Upgrade HyperFlex Cluster > Update node	xcs ♀ ♀ ↓ ♀ ↓ ♀ ↓ ♥	
<u>080</u>	MONITOR	Details	Execution Flow	
କ	OPERATE ^	Status E Failed	ucs and Update Host OS	
	Servers	Name Update node ucs ID 60er 15f	Node upgrade failer. Failed task - Failed to Upgrade Hypervisor. Failure reason - Failed to Upgrade Hypervisor FlandwareErorph Hardware precheck of p 7.002-17872531-Cisco-Scaton-72.0.5 failed with warmings. "CPULSIPPORT WARHING: The CPU in this host may not be supported in faulter ESX release accordingly -n n Apply - no-hardware-warming option to ignore the warmings and proceed with the transaction in Piesse refer to the log file for more details."	ofile HX-ESXi- r. Please plan
	Chassis Fabric Interconnects	Target Type HyperFlex Cluster Node	⊘ ucs I: Update Vibs Jul	
	HyperFlex Clusters	Target Name ucs Source Type HyperFlex Cluster Profile	Sucs- I: Enter Host Maintenance Mode	
×	CONFIGURE ^	Source Name ucs _cluster	O ucs Validate DRS is Enabled and Fully Automated	
	Profiles	Initiator Start Time Jul 13, 2021 11:09 PM	Sucs 1: Run Post Node Relinquish Task	
	Templates	End Time Jul 13, 2021 11:35 PM	⊘ ucs- II: Upgrade HXDP	
	Policies	Duration 26 m 11 s	⊘ uce- I: Enter HXDP Maintenance Mode J⊍	
(B)	ADMIN	Organizations default	Collect Preconditions for Upgrade	
đ.	Targets Software Repository			

解決方案

場景A.從HX Connect使用者介面進行HXDP + ESXi組合升級

在此場景中,您將HXDP升級到4.5(2a),將ESXi升級到7.0 U2內部版17867351。

步驟1.僅先升級HXDP。

步驟1.1.通過

<u>https://software.cisco.com/download/home/286305544/type/286305994/release/4.5(2a)</u>下載 HXDP軟體包,如下圖所示:

\leftarrow	\rightarrow C	software.cisco.com/download/home/286305544/type/286305994/release/4.5(2a)
--------------	-----------------	---

Downloads Home / HyperConverged Infrastructure / HyperFlex HX Data Platform / HyperFlex HX Data Platform- 4.5(2a)

Q Search Expand All Collapse All Suggested Release V	HyperFlex HX Data Platform Release 4.5(2a) My Notifications	Related Links and Documentation Recommended Software Releases Release Note for 4.5(2a)
4.0(2f) 😒		
Latest Release V	Cisco strongly recommends following the Cisco Hyp version for your HX-Series System.	perFlex Recommended Software Release Page to select the b
4.5(2a)		
4.0(2f) 😯	File Information	Release Date Size
3.5(2i)	Cisco HyperFlex Data Platform Installer for VMware B Cisco-HX-Data-Platform-Installer-v4.5.2a-39429-esx.ova	ESXi 30-Jun-2021 3528.53 MB
2.6(1e)	Advisories 🖆	

步驟1.2.開啟HX-Connect,選擇Upgrade,選中HX Data Platform複選框,上傳包,輸入vCenter Credentials的Username和Admin Password,然後按一下Upgrade,如下圖所示:

$\leftarrow \ \rightarrow \ \mathbf{C}$	O A https://10 .98/#/clusters/1/upgrade?u	pgradeType=CLUSTER_UPGRADE_HXDP	67% 🖒	
		UC -CL	Q 🔺 📋	© 1 © ⊗ 8
🕑 Dashboard	CLUSTER UPGRADE ELIGIBILITY No Results			
MONITOR			Test Upgrade Eligibility	
Alarms				
☆ Events	Select Upgrade Type		Progress	
Activity			11401435	
ANALYZE	UCS Server Firmware ③			
A Performance	HX Data Platform			
PROTECT		 storfs-packages-4.5.2a-39429 file is uploaded 		
MANAGE				
E System Information	Current HXDP version: Version(4.5.2a-39429) Current Guster details > Checksum		Current Catalog version: Version(4.5.2-39429) Current Catalog details	Bundle version: 4.5.28-39429
Datastores				
iscsi	ESXI			
Virtual Machines	Secure Boot mode ③			
T Upgrade				
>_ Web CLI	vCenter Credentials Username	Admin cassword		
Kubernetes	administrator@vsphere.local		0	

HX connect upgrade HXDP

升級完成後,請繼續執行步驟2。

步驟2.開啟HX Connect,選擇**System information > Nodes**,選擇要升級Esxi的節點,然後按一下 Enter HX Maintenance Mode,如下圖所示。

← → C 🔺	Not secure 10							ର 🕁 🛸	a :	
= the Hyperflex Connect		uc -a.								
Deshboerd Monitor	System Overview Nodes Disks © Enser HX Maintenance Mode G Exit HX Maintenance	Mode						Lest refreshed at 61-69-2021 124	439.87	
⊈ bers AdVity	Node ^ Hypervisor Address	Hypervisor Status Online	Controller Address	Controller Status Online	Model 10(220C-M45	Version 4.5(2a)	Disks 8	Command Line Mode		
ANAUZI Las Performance	220 10 65 221 10 66	Onine	10 169 10 70	Online	H0(220C-M45 H0(220C-M45	4.5(2a) 4.5(2a)	8	Root shell ①		
PROTECT	1-3of3									
WANNE System Information System Information State Virtual Machines T Upgrade N We CU Kubernetes										

HX連線節點

← → C 🚺	Not secu	re 1098/#		
= the Hyperflex Connect				vc -a.
Deshboard	System Overview	v Nodes Disks		Confirm HX Maintenance Mode ① ②
Alarms	Enter HX Main	ntenance Mode G Exit HX Maintenance	Mode	
1 Events	Node	Hypervisor Address	Hypervisor Status	Co Model Version Disks
Activity	-219	10. 1.64	Online	H0220CM45 4 5(2a) 8 H0 Mode ensures that the entire
ANALYZE	-220	10. 65	Online	10 hyperconverged node, including the host, encers H0220C4M45 4 5(2a) 8 maintenance.
A Performance	-221	10. 1.66	Online	10 A host in Maintenance Mode is enabled but does not H0220CM45 4.5(2a) 8 perform any function on vitrual mathines, including
PROTECT	1-3 of 3			vinual machine provisioning. Vinual machines running on the host sentering Mananance Mode may need to be powered off or migrated manually to different hosts. The Enter HX Mananance mode sax .
MANAGE				does not complete, until all running virtual machines are powered off or migrated.
System Information				Do you want to put the selected host in HK. Maintenance Mode?
Datastores				
				Cancel Enter HX Maintenance Mode
Uograde				
>_ Web CU				
Kubernetes				

HX連線維護模式彈出選單

您可以在Activity頁籤下看到活動完成,如下圖所示:

← → C /	Not secure 10. 98/#/clusters/1/activity			Q	\Rightarrow	*	
= text Hyperflex Connect		uc -a.		0 🔺	n	001	0
① Deshboard	Filter Filter Isted tasks						
MONITOR Alerms	Activity @Montor progress of recent tasks on the HK storage duster.			Last refres	nes es 67.0	8/2021 124	19:20 911
☆ Events	 Colapse All 						
Activity	Validate enter maintenance mode for node >219						
ANALYZE	5x8but Success 07/06/2021 12:48:45 PM	Parallel salis check	Error maintenance mode task is not running for other nodes and for other size nodes in stretch cluster				
A Performance		vCenter availability check	 Cluster should be registered with classer 				
PROTECT		vČenier reachability check	 vCenter is machable from vCenter 				
Replication		Maintenance mode state check	 Check the node is not in maintenance mode 				
MANAGE		VM Migration check	 Check VM Mgration is enabled in all nodes. 				
System Information		Ousler health check	 Allow maintenance mode only for healthy ductor 				
E Detastores		Nodes availability check	Check number of notes available to tolerate this node into maintenance mode				
63 6451							
Virtual Machines	 Enter maintenance mode for node219 Status: Success 	Enner Maintenance Minle	4				_
T Upgrøde	07/05/2021 12:48:45 PM		 Vanisate error manimum room out one as 219 Parallel tasks check: Drive manimum mode task is not numing for other nodes and for other site nodes in siretich cluster 				
> Web CU			vCenter availability check: Outar should be registered with vCenter vCenter reachability check: vCenter is reachability check: vCenter				
Kubernetes			Maintenance mode state check. Check the node is not in maintenance mode VM Migration check. Check VM Migration is enabled in all nodes				
			 Quoter health check: Allow maintenance mode only for healthy cluster 				
		Enter «Center Maintenance mode	Notes analyzing shock clear in order a node in of enal				
		Wait for VM migration to be completed	With manufactors will sales time based on number of user VMs				
		Reinquish the node	Shutting down costs gradually				
		Power off controller VM	 Powering off the controller VM 				
		vCenter mantemation mode task	✓ Waiting for mannemence mode sets to be completed in vCenter.				

HX連線活動頁籤

步驟3.將Secure Shell(SSHI)作為root使用者連線到ESXi主機並進入「維護」模式。

步驟4.建立資料夾並將ESXi軟體包上傳到該資料夾中。

步驟4.1.運行命令:mkdir /hxpatch

步驟4.2.使用以下命令建立ramdisk以儲存軟體包:esxcli system visorfs ramdisk add -m 500 -M 500 -n hxpatch -t /hxpatch -p 0755。

步驟5.使用連結

<u>https://software.cisco.com/download/home/286305544/type/286305994/release/4.5(2a)</u>將ESXi-7.2.0.5軟體包從思科下載下載了載到本地回購,如下圖所示:



步驟5.1.將軟體包從本地回購複製到/hxpatch檔案夾。以下範例使用WinSCP:

Local Mark Files Commands Session Options Rem	ote Help								
🕀 🔀 🤯 Synchronize 🗖 🐙 💽 🍥 Queue	Transfer	Settings Default		- <i>ฮ</i> -					
🖵 root@1(65 🗙 🖳 New Session									
🖹 My documents 🔹 🚰 • 🕎 • 🖬 😭 🎜 🛃	$ \leftrightarrow \cdot \Rightarrow \cdot$				📕 hxpatch 🔹 🚰 •	· 🝸 • 🖬 🔽	🏠 🧭 🖻 Find Files 📍	• • • •	
🔝 Upload 🔹 📝 Edit 🔹 🗙 📝 😡 Properties 😭	New - 主	- V			Download -	Edit - 🗙 📝 🞚	Properties 😭 New -	+ - \	
C:\Users\admin\Documents\					/hxpatch/				
Name MobaXterm HX-ESXI-7.0U2-17867351-Cisco-Custom-7.2.0.5-up	Size 2 KB 13 KB 12 KB 382,244 KB 6 KB 1 KB 59 KB	Type Parent directory File folder Windows Power Text Document Compressed (zi Compressed (zi Compressed (zi PY File TGZ File	Cł 7/ 7/ 5% Upl	hanged 7/2021 12:10:48 PM 7/2021 7:29:03 PM 2/10/2020 11:40:46 DM cooling File: HX-ESXI-7:0U2- Target: /hxpatch/ Time left: Calcula Bytes transferred: 13 X I = 2 Calcula X I = 2 Calcu	Name ? ? -17867351-Cisco-Custom-7. ating Time elapsed: 4 MB Speed: 52	Size	Changed 7/8/2021 1:19:04 PM	Rights rwxr-xr-x	Owner root

步驟6.在維護模式下通過SSH返回主機。

步驟7.運行以下命令以檢視軟體包配置檔案詳細資訊:esxcli software sources profile list —depot=/hxpatch/HX-ESXi-7.0U2-17867351-Cisco-Custom-7.2.0.5-upgrade-bundle.zip ,如下圖 所示:

[root@	220:/hxpatch]	esxcli s	oftware	souro	ces prof	ile listdepo	ot=/h	xpatch/HX-ESXi-7.0U2	-17867351-Cisco
-Custom-7.2	2.0.5-upgrade-	-bundle.z	ip						
Name ime					Vendor	Acceptance Lev	vel	Creation Time	Modification T
HX-ESXi-7.0	0U2-17867351-0	Cisco-Cus	tom-7.2.0	0.5	Cisco	PartnerSupport	ted	2021-04-29T18:21:43	2021-04-29T18:
21:43									
[root@2	220:/hxpatch]								

步驟8.運行以下命令將ESXi軟體包升級到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-hardwarewarning 步驟9.重新啟動主機。

步驟10.使用SSH連線到主機並使用命令驗證版本: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:~]

步驟11.從維護模式中退出節點,等待群集恢復正常。

步驟11.1.開啟HX-Connect,選擇**System Information>** Nodes,選擇處於維護模式的節點,然後按 一下**Exit HX Maintenance Mode**,如下圖所示:



HX連線節點

← → C 4	Not secure 10. 98/#							Q 🖈 🗯 🏝 🗄
= the Hyperflex Connect			UC	a				Q▲1 🕅 © 0 A
C Desnoend Noutron Amms Amms Activity ANAUTEI In Performance Peotocn Peotocn Peotocn	System Overview Nodes Disks C Enter HOL Maintenance Mode 219 0 64 220 0 65 221 0 66 1-3 of 3	e Mode Hypervisor Status Online Online	Concroller Address 10 60 10 69 10 70	Controller Status Online Online	Model Microscands Microscands Histoccands	Version 4.5(2e) 4.5(2e) 4.5(2e)	Disks 8 8	Let vHarret et 17 08 2011 12 44 58 M/ O ©* Filter Command Line Mode Root thet © Root thet © Root thet ©
MANAGE i general Information Cassories C								

HX連線出口MM

步驟11.2. HX Connect Dashboard顯示操作狀態,必須是**Online**,恢復能力運行狀況必須是 Healthy。

≡ ^{altala} HyperFlex Connect		80×80	0 0 L
Dashboard	OPERATIONAL STATUS Online ©	① Clu	ister License not registered
Alarms	$\begin{array}{c} & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & $	🛩 1 N	ode failure can be tolerated
Activity	CAPACITY 6 TB	1.2% STORAG 71.2 GB Used 6 TB Free OPTIME	GE Compression 77% ZATION Deduplication 0%
Activity	CAPACITY 6 TB	1.2% STORAG 71.2 GB Used 6 TB Free OPTIMU	GE Compression 77% IZATION Deduplication 0%

步驟12.在屬於群集的所有節點上重複步驟2-11,一次一個步驟。

ESXi升級完成後,您可以在HX伺服器的鍵盤、影片、滑鼠(KVM)控制檯上看到版本詳細資訊,如下 圖所示:

CISCO. UCS KVM								
KVM Console Properties								
	VMware ESXi 7.0.2 (VMKernel Release Build 17067351)							
	Cisco Systems Inc 10020C-MIS							
	2 x Intel(R) Xeon(R) CPU ES-2600 v3 0 2.50GHz 303.9 618 Memory							

您還可以在HX Connect中驗證System Information頁籤上是否存在新的ESXi版本,如下圖所示:

\leftarrow	\rightarrow	c c	2	https://10.98///clusters/1	/servers?tab={"id":"Server","	index":0}		☆		. ⊡
=	-1 1.1 1. CISCO	HyperFlex Connect			UC	-CL	Q 🔺 1	Î	0 0	<u>ہ</u> (
\odot	Dasht	ooard	Î	Hyperconverged Nodes			Disk View Options ~	Dis	k View Leger	nd
0				Node	Hypervisor	HyperFlex Controller	Disk Overview (& in use)			
MON	NITOR			-219	🕗 Online	Online				
¢	Alarm	s		HX220C-M4S	10. 64	10				
ជ	Event	s			6.7.0.17499825	4.5.2a-39429	0 /			
Û	Activit	y								
				Node	Hypervisor	HyperFlex Controller	Disk Overview (8 in use)			
ANA	LYZE			-220	🕗 Online	🥝 Online				
Lala	Perfo	rmance		HX220C-M4S	10. 65	1069				
PRO	TECT				7.0.2-17867351	4.5.2a-39429	¢ <i>i</i>			
ſ	Replic	ation								
				Node	Hypervisor	HyperFlex Controller	Disk Overview (8 in use)			
MAN	AGE			-221	🥝 Online	🥝 Online	1 2 3 4 5 6 7 8			
E	Syster	n Information		HX220C-M4S	10	10	• /			
	Datas	tores			6.7.0-17499825	4.5.2a-39429	• •			

HX connect已更新Esxi

場景B.從Intersight進行HXDP + ESXi組合升級

對於此場景,您可以從Intersight將HXDP升級到4.5(2a),將ESXi升級到7.0 U2生17867351版本。

步驟1.如果其中一個HX伺服器處於維護模式,則通過vCenter或ucs KVM控制檯重新啟動該伺服器 。

✓ 1 221_dc	😴 Deploy OVF Template	Adapter
✓ [] 221_cl	A New Resource Pool	el: USB Storage Controller
-219.eng.storvisor.com	R+	√ vmhba32
-220.eng.storvisor.com	Bả New VApp	el: Wellsburg AHCI Controller
-221.eng.storvisor.com (Maintenance Mode)	Import VMs	√ vmhba0
♂ stCtIVM-	Maintenance Mode	
🔂 stCtIVM-	Maintenance Mode	
园 stCtIVM-	Connection •	•
🔂 -clone1	Power	Power On
-clone10		
Clone2	Certificates	Enter Standby Mode
-clone3	Storage	Shut Down
-clone4	Rt Add Networking	E Debeet
🔂 -clone5	g Add Networking	& Reboot
-clone6	Host Profiles	•
🔂 -clone7	Export System Logs	
🔂 -clone8	Export system Logs	
🔂 -clone9	Reconfigure for vSphere HA	
-∨M	🖎 Assign License	

步驟2.伺服器重新啟動後,從HX Connect UI退出HX維護模式。開啟HX-Connect,選擇System Information > Nodes,選擇處於維護模式的節點,然後按一下Exit HX Maintenance Mode。

步驟3.為Hyperflex集群完成修復留出幾分鐘的時間。HX Connect **Dashboard**向您顯示操作狀態 ,該狀態必須為**Online**,並且彈性運行狀況必須顯示**Healthy**。

OPERATIONAL STATUS		Cluster License not registered
		✓ 1 Node failure can be tolerated
CAPACITY 1.2% 6 TB 71.2 G	0 Used 6 TB Free	STORAGE Compression 77% Deduplication 0%
	OPERATIONAL STATUS Online ① RESILIENCY HEALTH Healthy ① CAPACITY 1.2% 6 TB 71.2 GE	OPERATIONAL STATUS Online ① RESILIENCY HEALTH Healthy ① CAPACITY 6 TB 71.2 GB Used 6 TB Free

步驟4.開啟Intersight,選擇**Upgrade**,然後按一下**Expert Mode > Upgrade HyperFlex Data Platform**,如下圖所示:



4.0(2d)

Pools

Targets

Software Repository

D ADMIN



步驟5.您可以觀察升級開始及完成情況:

=	cisco Intersight	Requests > Upgrade HyperFle		Q 🖬 53 🔺 35			
th	MONITOR	Details		Execution Flow			
θ	OPERATE ^	Status	© Success	🔿 🔜 220: Cleanup Tasks after upgrade			
	Servers Chavels	Name Up ID 60et	igrade HyperFlex Cluster 36d8696f6e2d3071e9db	Cleanup Tasks after upgrade			
	Fabric Interconnects	Target Type	HyperFlex Cluster	© 221: Cleanup tasks after upgrade			
	HyperFlex Clusters	Target Name	-221	Running Cluster Post-Upgrade Hooks			
×	CONFIGURE ^	Source Type	-220 HyperFlex Cluster Profile	C 220. Update node View Execution Flow			
	Profiles	Source Name	_cluster	O 219: Update node View Execution Flow			
	Templates	Initiator Start Time	Jul 14, 2021 12:11 PM	O 221: Update node View Execution Row			
	Pools	End Time Duration	Jul 14, 2021 2:10 PM 1 h 59 m 25 s	220. Run Node Level Validations for Upgrade			
æ	ADMIN ^			219: Run Node Level Validations for Upgrade			
	Targets	Organizations		© 221: Run Node Level Validations for Upgrade			
	Software Repository			Run Validations for Upgrade			Jul 14, 2021 1

步驟6.啟動每台伺服器的ESXi升級。將ESXi 7.0 U2升級捆綁包複製到ESXi主機。

步驟6.1.從思科下載下載的ESXi 7.0U2升級捆綁包,連結為

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

CISCO HX Custom Image for ESXi 7.0 U2a Offline Bundle for 30-Jun-2021 373.28 MB \pm \searrow Upgrading from prior ESXi versions HX-ESXi-7.0U2-17867351-Cisco-Custom-7.2.0.5-upgrade-bundle.zip Advisories

步驟6.2.在每台ESXi主機上,將ESXi 7.0U2升級捆綁包複製到可用的datastore目錄中(使用scp、 wget等方法)。 完成後,您必須看到:

[root@ucs-221:/vmfs/volumes] pwd /vmfs/volumes [root@ucs-221:/vmfs/volumes] ls MyDataStore 60ee5dfc-6f05dc8b-05cf-0025b5b1a116 60ef8a79-63aadd3f-ee0d-0025b5b1a116 BOOTBANK2 SpringpathDS-FCH2008V1M1 . . [root@ucs-221:/vmfs/volumes] cd MyDataStore / [root@ucs-221:/vmfs/volumes/ac08f584-9a2f8a67] ls -al total 0 drwx-----1 root 686 Jul 14 05:19 . root drwxr-xr-x 1 root root 512 Jul 15 01:21 .. -rw-r--r--1 root 391417386 Jul 15 00:55 HX-ESXi-7.0U2-17867351-Cisco-Customroot 7.2.0.5-upgrade-bundle.zip drwxr-xr-x 1 root 2793 Jul 14 20:03 ucs221-VM root [root@ucs-221:/vmfs/volumes/ac08f584-9a2f8a67] pwd

/vmfs/volumes/ MyDataStore

步驟7.開啟HX-Connect,選擇**System information > Nodes**,選擇要升級Esxi的節點,然後按一下 Enter HX Maintenance Mode,如下圖所示:

← → C 🔺	Not secure 10. 98/#							२ 🖈 🛊 😩	:
= 🚓 Hyperflex Connect			UC	a				₽ ▲ 1 (11) ⊚ ⊂	ه ا ه
Deshboerd Monitor	System Overview Nodes Disks	Lest whereas at 01 08 2021 12 46 59 Pr/	•						
© Adminis	Node ^ Hypervisor Address	Hypervisor Status Online	Controller Address	Controller Status Online	Model HX220C4M45	Version 4.5(28)	Disks 8	Command Line Mode	
ANALYZE	220 10 65 221 10 66	Online	10 169	Online	H0220C4M45 H0220C4M45	4.5(2#) 4.5(2#)	8	Root shell ① Root shell ①	
Protect	1-3 of 3								
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Alarms Events	Node • Hyperviso	ar Address	Hypervisor Status	Co	
Activity ANALYZE	-220 10 6	5	Online	HX Maintenance Mode ensures that the entire typerconverged node, including the host, enters maintenance.	
Performance PROTECT Replication	1-3 of 3	6	Online	A host in Maintenance Mode is enabled but does not Micadocawas 4.5(24) 8 perform any function on virtual matchines, including virtual matchine provisioning. Virtual matchines running on the host energing Maintenance Mode may need to be powered off or migrated manually to different hosts. The Ener HX Maintenance mode task	
MANAGE System Information Catastories G IDCSI Virtual Machines T Upgrade X Web CU Muberines				diefes frozie friedrik in Kalanderstande model in de bies are possend off or ingrated. Die jou warts op uit we selected host in HK Maintenance Mode? Criter HK Maintenance Mode	

您可以在Activity頁籤下看到活動完成,如下圖所示:

← → C 🚺	Not secure 10. 98/#/clusters/1/activity			Q	☆	*	
= the Hyperflex Connect		uc -cı.		0 🔺 1		01	0
O Deshboard	Filter Filter listed tasks						
MONITOR Alerms	Activity @Montor progress of recent tasks on the HX storage cluster.			Let whe	ened as 010	18/2021 12:4	8-20 911
☆ Events	Collepse All						
Activity	Filter Teter Issed tasts ACTIvity @Monitor progress of recent tasks on the Kit storage duster. Cutages #I Substances Total Substance Total Substan						
ANALYZE		Parallel usits check	Droser maintenance mode task is not running for other rodes and for other site rodes in stretch cluster				
a Performance		vCenter availability check	 Custor should be registered with cleaner 				
PROTECT		vCenter reachability check	✓ vCenter is reachable from vCenter				
Replication		Maintenance mode state check	 Check the node is not in maintenance mode 				
MANAGE	A Validate error mantenance mode for node219 Status Success OTOB/2021 12:48:48 PM Or Of D2021 12:48:48 PM	VM Mgration check	Check VM Mgradon is enabled in all nodes				
System Information		Outler health check	 Alose maintenance mode only for healthy cluster 				
E Detastores		Nodes availability check	Check number of nodes available to tolerate this node into maintenance mode				
62 16451							
Virtual Machines	C ~ Enter maintenance mode for node -219 Status: Success						_
T Upgrøde	07/08/2021 12:+8:45 PM	Ercer Maintenance Mode	 Validate enter maintenance mode for node ucs 219 Parallel tasks check: Enter maintenance mode task is not nursing for other nodes and for other site nodes in stretch cluster 				
>_ Web CU			 vCenter availability check: Outlan should be registered with vCenter vCenter outlability check: of enser is such ability for outlability from vCenter 				
Kubernetes			Vision and the set of the Se				
		Enter «Certer Maintenance mode	 Initiate the enter maintenance mode in vCenter 				
		Wait for VM engration to be completed	 With migration will take time based on number of user Wits 				
		Relinquich the node	✓ Strutting down starts graveholy				
		Power off controller VM	 Powering off the controller VM 				
		vCenter mansenance mode task	 Wasting for maintenance mode task to be completed in vCenter 				

步驟8.通過SSH連線到處於HX維護模式的ESXi主機。

步驟8.1.尋找升級套件組合設定檔名稱:

[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 步驟8.3.升級完成後,您將看到一條成功消息:

Update Result Message: The update completed successfully, but the system needs to be rebooted for the changes to be effective. Reboot Required: true 步驟9.重新啟動主機。

步驟10.登入到ESXi主機並使用以下命令驗證新版本: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:~]
```

步驟11.伺服器重新啟動後,從HX Connect UI退出**HX Maintenance Mode**。開啟HX-Connect,選 擇System Information > Nodes,選擇處於維護模式的節點,然後按一下Exit HX Maintenance Mode,如下圖所示:



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O Deshboard	System Overview	Nodes Disks							Last refreshed at 07-08-2021 12-46-59 RV
MONITOR	C Enter HX Mainte	enance Mode G Exit HX Maintenance Mod	de						🖄 Y Riber
Q. Alarms	Node	Hypervisor Address	Hypervisor Status	Controller Address	Controller Status	Model	Version	Disks	Command Line Mode
12 tvers	219	10 64	Online	10 68	Online	H0220C-M45	4.5(2a)		Root shell ①
454/271	220	10. 65	Online	10 (69	Online	H0220C4M45	4.5(28)	8	Root shel ①
E Performance	221	10 66	Online	10 70	Online	H0(220C-M45	4.5(2a)	8	Root shell ①
PROTECT	1 - 3 of 3								
MANAGE									
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୍ୱେ ଅଟନ									
Virtual Machines									
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HX連線出口MM

步驟12.為Hyperflex集群完成修復留出幾分鐘的時間。HX Connect **Dashboard**向您顯示操作狀態 ,該狀態必須為**Online**,並且彈性運行狀況必須顯示**Healthy**。

		26
IONAL STATUS e	Cluster License not registered	
NCY HEALTH	✓ 1 Node failure can be tolerated	
TY 1.2% 71.2 GB Used	STORAGE Compression 77% OPTIMIZATION Deduplication 0%	
	INAL STATUS Image: Status </td <td>INAL STATUS ① Cluster License not registered ① CV HEALTH IV © ✓ 1 Node failure can be tolerated Y 1.2% 71.2 GB Used 6 TB Free OPTIMIZATION 0%</td>	INAL STATUS ① Cluster License not registered ① CV HEALTH IV © ✓ 1 Node failure can be tolerated Y 1.2% 71.2 GB Used 6 TB Free OPTIMIZATION 0%

步驟13.每次為每個ESXi主機1重複步驟6.-12.。在轉到下一個節點之前,請確保群集狀態顯示 Healthy。

關於此翻譯

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