Cisco Intersight - VMware ESXi上的Hyperflex安裝、配置和部署

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簡介

Cisco Intersight,通過提供系統管理即服務來簡化資料中心運營,從而減少維護現場管理基礎設施 孤島的需要。

Cisco Intersight提供安裝、配置和部署Cisco HyperFlex群集(HX邊緣和連線FI)的安裝嚮導。該嚮 導將構建一個名為HX群集配置檔案的群集預配置定義。此定義是您的HX集群中HX節點的邏輯表示 ,包括

• 安全— HyperFlex群集的憑據,例如控制器VM密碼、虛擬機器監控程式使用者名稱和密碼。

•配置— 伺服器要求、韌體等

• 連接 — 上游網路、虛擬網路等

本文檔提供如何使用intersight部署FI連線的Hyperflex集群的步驟和螢幕快照。

必要條件

需求

HX FI連線的群集部署支援的版本

HX220C-M4S HXAF220C-M4S HX240C-M4SX HXAF240C-M4S HX220C-M5SX HXAF220C-M5SX HX240C-M5SX

1

M4M5

HXAF240C-M5SX

Cisco Intersight

Intersight連線

考慮下列與Intersight連線相關的先決條件 —

- 確保相應UCS Manager例項上的裝置聯結器正確配置為連線到Cisco Intersight並已宣告。
- •所有裝置聯結器都必須正確解析**svc.ucs-connect.com**,並允許埠443上的出站啟動HTTPS連線
- 3.5(2a)之前的Hyperflex Installer版本支援HTTP Proxy,重新部署群集且不是出廠時的新群集除 外。
- 所有控制器VM管理介面都必須正確解析download.intersight.com並允許埠443上的出站發起
 HTTPS連接。如果直接Internet連線不可用,則當前版本的HX Installer支援使用HTTP代理,除
 非群集已重新部署且不是新出廠配置。
- •必須通過UCS交換矩陣互聯管理介面訪問預定的ESX伺服器、HX控制器網路和vCenter主機。
- ・從HXDP 3.5(2a)版開始, Intersight安裝程式不要求在HyperFlex伺服器上存在出廠安裝的控制器VM。但是,如果通過HTTP Proxy連線到Intersight,此要求仍然適用。所有新的HX伺服器都可以通過HTTP代理按原樣部署。

其他要求

<u>軟體需求</u> 物理需求

網路要求

埠要求

<u>部署資訊</u>

採用元件

- Cisco Intersight
- Cisco UCSM
- Cisco HX伺服器
- Cisco Hyperflex
- VMWare ESXi
- VMware vCenter



網路圖表

• Cisco Intersight通過在所有Cisco Intersight版本中包含HyperFlex安裝程式,提供輕鬆部署 HyperFlex群集的方法。



配置步驟

步驟1.登入Cisco Intersight並選擇使用者帳戶,如下所示 —



步驟2.在控制面板上按一下右窗格上的「裝置」頁籤。



步驟3.在Devices下,按一下Claim a New Device

≡	cisco Intersight	Device	s					🗘 🖬 12	A 11				Avinash Sh	nukla 🛓
<u>00o</u>	Dashboards	📰 Ne	w features	s have recently been add	led! Learn More									×
													Claim a New I	Device
\$	HyperFlex Clusters													
무	Fabric Interconnects			Search Hyperflex ×	Search				0 items fo	10 ~	per page		O of 0 > >	
6	Service Profiles		Name		Status	Туре	Device IP		Device ID			Clain	ned By	
1	Policies													
•	Devices													
													K < 0 of 0	

步驟4.登錄UCS Manager,瀏覽至**Admin -> Device Connector。單擊Settings 以配置訪問模式**和 Proxy配置

- An	Ali 🗸	All / Device Connector			
	 Internet Levin 				
-	LAN Cloud				
	 SAN Cloud 			_	
ठठ	► root ①	Intersight Management	Settings	×	
=	Time Zone Management				
-	 Capability Catalog 	Enabled	General	Proxy Configuration Certificate Manager	00100100101
	Adapters		Access Mode		33120100193
	Blade Servers	this system and leverage the capabilit			
	CPUs	of Cisco Intersight.	Read-only		3 📴
_	Chassis	If disabled, no communication will be allowed to Cisco Intersight	 Allow Control 		
	Coprocessor Cards			-	
20	Crypto Cards				
-*	Fan Modules				
	GPU Cards				
	IO Modules				
	Local Disks				
	Memory Units				
	Mini Storage				
	PSUs				
	Rack-Mount Servers			Cancel	
	Storage Controllers				
	License Management				
	Device Connector				
	A.1.	All / Device Connector			
æ	All 👻	All / Device Connector			
	All •	All / Device Connector			
# 	All v interior Dev LAN Cloud	All / Device Connector The Device Connector is an embedded manage device connector, please visit help Connect			
	All	All / Device Connector is an embedded manage device Connector is an embedded manage device connector please visit kiels Center	Settings	bilities of Clico Intersight, a cloud-based management platform. Fo	r detailed information about configuring the
·⊼ ■ 品	All	All / Device Connector is an embedded managed device connector, please visit key Center internight Management	Settings	billities of Cisco Intersight, a cloud based management platform. Fo	r detailed information about configuring the
	All	All / Device Connector is an embedded manage device connector, please visit fixed Center Intersight Management	Settings	bilities of Citoco Intersight, a cloud based management platform. Fo × Proxy Configuration	e detailed information about configuring the
	All	All / Device Connector is an embedded manage device connector, please visit fixes Center Intersight Management	Settings General	billine of Circo Interspirit, a cloud based management platform. Fo X Proxy Configuration Certificate Manager	e detailed information about configuring the
	All	All / Device Connector is an ambedded manage device connector, please visit fixing Center Intersight Management Enabled When this option is enabled, you can a	General HTTPS Proxy	Proxy Configuration Certificate Manager	c detailed information about configuring the
	All	All / Device Connector is an embedded manage device connector, please visit fing Center Intersight Management Enabled When this option is enabled you can be this system and leverage the capability of Cisco Intersight.	General HTTPS Proxy	Proxy Configuration Certificate Manager	c detailed information about configuring the
	All	All / Device Connector is an embedded manage device connector, please visit ting Center Intersight Management Enabled When this option is emabled you can be this system and leverage the capability of Claso Intersight	General HTTPS Proxy Proxy Hostname/IP *	Proxy Configuration Certificate Manager Proxy Proxy Proxy Prox Proxy Prox Prox Prox Prox Prox Prox Prox Prox	c detailed information about configuring the
	All	All / Device Connector The Device Connector is an embedded manager device connector, please visit trug Connec Intersight Management Enabled When this option is enabled, you can be this system and leverage the capability of Claco Intersight.	General Proxy Hostname/IP *	Proxy Configuration Certificate Manager Proxy Proxy Port * 8080	e detailed information about configuring the
	All	All / Device Connector The Device Connector is an embedded manager device connector, please visit long Connec Intersight Management Enabled When this option is enabled, you can be of Clean Intersight. If disabled, no communication will be allowed to Clean Intersight.	Ceneral	Proxy Configuration Certificate Manager Proxy Proxy Port * 8080	e detailed information about configuring the Centurys SSI201001PJ
	All	All / Device Connector The Device Connector is an embedded manager device connector, please visit long Connec Intersight Management Enabled When this option is enabled you can be accurate intersight. If disabled, no communication will be allowed to Claco Intersight.	Ceneral Croxy Hostname/IP * Comparison	Proxy Configuration Certificate Manager Proxy Proxy Port * 8080 ③	e detailed information about configuring the
	All	All / Device Connector The Device Connector is an embedded manner device connector, please visit living Conner Intersight Management Emblied When this option is enabled, you can be all over the versign the capability of Cisco Intersight. If disabled, no communication will be allowed to Cisco Intersight.	Ceneral	Proxy Configuration Certificate Manager Proxy Proxy Port * © 8080 ©	e detailed information about configuring the SSI201001PJ
	All	All / Device Connector The Device Connector is an embedded manner device connector, please visit live Connec Intersight Management Enabled When this option is enabled, you can be all over the	Ceneral	Proxy Configuration Certificate Manager Proxy Proxy Port * © 8080 ©	e detailed information about configuring the SSI201001PJ
	All	All / Device Connector The Device Connector is an embedded manner device connector, please visit live Conner Intersight Management Embled When this option is enabled, you can be of Caco Intersight. If disabled, no communication will be allowed to Cisco Intersight. Agent Verser	Ceneral General Proxy Hostname/IP *	Proxy Configuration Certificate Manager Proxy Proxy Port * © 8080 ©	e detailed information about configuring the SSI201001PJ
	All	All / Device Connector The Device Connector is an embedded manner device connector, please visit line Conner Intersight Management Enoties When this option is enabled, you can be of Caco Intersight. If desabled, no communication will be allowed to Caco Intersight. Agent Verser	Ceneral General Proxy Hostname/IP *	Proxy Configuration Certificate Manager Proxy Proxy Port * © 8080 ©	e detailed information about configuring the SSI201001PJ
	All	All / Device Connector The Device Connector is an embedded manner device connector, please visit here Conner Intersight Management Enabled When this option is enabled, you can be of Caco Intersight. If desabled, no communication will be allowed to Cisco Intersight. Agent Versen	Ceneral General Proxy Hostname/IP *	Proxy Configuration Certificate Manager Proxy Proxy Port * © 8080 ©	e detailed information about configuring the
	All	All / Device Connector is an ambedded manner device connector, please visit long Conner Intersight Management Enabled When this option is smalled you can be advice to therapit. If desabled, no communication will be adviced to Cisco Intersight.	Ceneral General Proxy Hostname/IP *	Proxy Configuration Certificate Manager Proxy Proxy Port * © 8080 ©	e detailed information about configuring the SSI201001PJ
	All	All / Device Connector The Device Connector is an embedded manner device connector, please visit here Conner Intersight Management Enabled When this option is enabled, you can be of Caco Intersight. If desabled, no communication will be allowed to Cisco Intersight. Agent Verse	Ceneral General Proxy Hostname/IP *	Proxy Configuration Certificate Manager Proxy Proxy Port * © 8080 ©	e detailed information about configuring the SSI201001PJ
	All	All / Device Connector The Device Connector is an embedded manner device connector, please visit here Conner Intersight Management Enclose When this option is enabled, you can be affected therapping the capability of Caco Intersight. If desibled, no communication will be allowed to Cisco Intersight. Agent Vesso	Internet controller that analytics the capacity of the capacit	Proxy Configuration Certificate Manager Proxy Proxy Port * 8080 O	e detailed information about configuring the
	All	All / Device Connector The Device Connector is an embedded manner device connector, please visit here Conner Intersight Management Enclose When the option is enabled, you can be af deabled, no communication will be allowed to Cisco intersight. Agent Vesso	Ceneral General Proxy Hostname/IP *	Proxy Configuration Certificate Manager Proxy Proxy Port *	e detailed information about configuring the
	All	All / Device Connector The Device Connector is an embedded manner device connector, please vise tree Connector Intersight Management Embed When the option is enabled, you can be all device the range. If device the range is e capability all devices the range is e capability all devices the range is e capability Agent Verse	Ceneral General Proxy Hostname/IP *	Induce of Clicco Intersects, a cloud based meangement platform. Fo Proxy Configuration Certificate Manager Enabled Proxy Port * 8080 0	e detailed information about configuring the

步驟5.在UCS Manager中,瀏覽到**Admin -> Device Connector。啟用Intersight Management**切換 按鈕並獲取裝置ID和宣告代碼。



步驟6.在Intersight帳戶上,使用**宣告代碼**和**裝置ID**(在步驟5中捕獲)宣告裝置。現在UCSM域已宣 告。

≡	cisco Intersight	Device Claim	Q 🖪 35 .	4 12	ß	٩	۲	0	Avinash Shukla 🗕
<u>00o</u>	Dashboards	III New features have recently been added! Learn More							×
00	Servers								
\$	HyperFlex Clusters								
₽	Fabric Interconnects								
6	Service Profiles								
1	Policies								
9	Devices		Claim a New Device To claim your device, you must have the Device ID and Claim Code. Device ID * SSI Claim Code * Required Cancel Claim	_					

步驟7.檢查Devices下確認新域顯示「Connected」和「Claimed」。此外,請確認現在可以選擇從 Intersight交叉啟動UCSM UI和UCSM CLI。

<u>00a</u>	Dashboards								Claim a New [Device
8	Servers									
ŝ	HyperFlex Clusters	Q Search				13 items found	12 v per page	K (<u>2</u>		
무	Fabric Interconnects	Name	Status 🗧	Туре 🗧	Device IP	Device ID		Claimed By		
6	Service Profiles		Connected	UCS Domain		ss	1PJ			
1	Policies							K	Launch	UCSM
ଜ	Devices								Launch	CLI
*										

步驟8. 在Service Profiles下,按一下Create Hyperflex Cluster Profile

<u>00o</u>	Dashboards	Hyper	rFlex Cluster Profiles ≗										rofile
8													
\$	HyperFlex Clusters			Q Search							perpage 📧 🔇 0 o		
₽	Fabric Interconnects							Nodes	Status		Last Update		
â	Service Profiles												
ſ	Policies												
ø				Selected 1 of 0] < 0 of 0 🔉	

步驟9.使用以下步驟配置服務配置檔案:

一般任務

≡	cisco Intersight	Create HyperFlex Cluster Profile		φ	5 🔺 11	ß	٩	۲	0	Avinash Shukla
<u>00</u>	Dashboards		 Prior to creating a HyperFlex Cluster profile, ensure that installation instructions, here 	you go through the pre-in:	stallation checklist	and the det	ailed HyperF	lex		
8	Servers	eneral	Name * HX-2 ©							
무	Fabric Interconnects	 Cluster Configuration 								
6	Service Profiles	 Nodes Assignment 	HyperFlex Data Platform Version 3.5(2a) $\checkmark \odot$							
ſ										
Ŷ	Devices	 Nodes Configuration 	Type © Cisco HyperFlex Edge Cisco HyperFlex with Fabric I	nterconnect 3						
		Summary	Replication Factor © 4 O 2 • 3							
		Results	Description HX-2 5							
			Add Tsg							
		Cancel								Next

群集配置 — 安全

≡	cisco Intersight	Create HyperFlex Cluster Profile	Q 🖬 5 🔺 11 🛛 🖓 🖓	Avinash Shukl
<u>00o</u>	Dashboards			
88	Servers	General	- Security 🛆	
\$	HyperFlex Clusters		Hypervisor Admin *	
Ŧ		Cluster Configuration	root 1 0	
õ	Service Profiles	Nodes Assignment		
1	Policies		The hypervisor on this node uses the factory default password	
Ŵ	Devices	Nodes Configuration	Hypervisor Password * Hypervisor Password Confirmation *	@ 0 2
		Summary Results	Controller VM Admin Password * Controller VM Admin Password Confirmation *	© 0 3
			+ DNS, NTP and Timezone	
			+ vCenter (optional)	
			+ Storage Configuration (optional)	
			+ Auto Support (optional)	

群集配置 — DNS、NTP和時區

≡	cisco Intersight	Create HyperFlex Cluster Profile		🗘 🖬 5 🔺 11	ß	۹ (9 0	Avinas	sh Shukla
<u>00o</u>	Dashboards								
		• General + Security ⊘				h	x-2-local-creder	tial-policy	
ŵ	HyperFlex Clusters	- DNS, NTP and Timezone							
무	Fabric Interconnects	Cluster Configuration Timezone *		DNS Suffix					
6	Service Profiles	Nodes Assignment	× 0	sjs.local			2	0	
1	Policies	010.0							
ø		Nodes Configuration 172:1000 3	<u> </u>	172.				◎ +	
		Summary DNS Servers * <u>172.1 1 1 1 1 1 1 </u>	<u> </u>	₽.					
		Results + vCenter (optional)							
		+ Storage Configuration (optional)							
		+ Auto Support (optional)							
		+ IP & Hostname							

群集配置— vCenter配置

≡	cisco Intersight	Create HyperFlex Cluster Profile	우 🖬 5 🔺 11 🕑 🧠	O Avinash Shukla
<u>00o</u>	Dashboards		+ Security 🧭	hx-2-local-credential-policy
8	Servers	General	+ DNS, NTP and Timezone	hx-2-sys-config-policy
\$	HyperFlex Clusters		– vCenter (optional) 🛆	
무	Fabric Interconnects	Cluster Configuration	VCenter Server FQDN or IP * VCenter Username * VCenter Pass	
6	Service Profiles	 Nodes Assignment 	172.	3 👁 0
a			vCenter Datacenter Name * vCenter Single-Sign-On Server	
Ŷ	Devices	 Nodes Configuration 	HX-2 4 o (Optional) o	
		 Summary 	+ Storage Configuration (ontional)	
			+ Auto Support (national)	
		Results	- IP & Hostnama	
			T UCS manager Conniguration	
			+ Network Configuration	
			+ External FC Storage (optional)	

註:-對於vCenter配置,建議跳過vCenter單點登入伺服器。請檢查文檔第27頁下面,

https://www.cisco.com/c/dam/en/us/products/collateral/hyperconverged-infrastructure/hyperflexhx-series/whitepaper-c11-740456.pdf

群集配置 — 儲存配置

≡	cisco Intersight	Create HyperFlex Cluster Profile	다 🖬 5 🔺 11 🕞 🧠 💮 Avinash Si	hukla
<u>00o</u>	Dashboards		т авчину 💛 начеловочениацияну 🏢	
8		General	+ DNS, NTP and Timezone 🖉 hx-2-sys-config-policy 🏢	
æ	HyperFlex Clusters		+ vCenter (optional)	
\$	Fabric Interconnects	Cluster Configuration	- Storage Configuration (optional)	
6	Service Profiles	Nodes Assignment	Logical Autilability Zonas configuration is recommanded for kinas/Elay Chisters with 9 or more nodes connected to El	
1		indes Assignment		
Ŷ	Devices	 Nodes Configuration 	VDI Optimization Clean up Disk Partitions Logical Availability Zones	
			+ Auto Support (optional)	
		 Summary 	+ IP & Hostname Select Policy 👔	
		Results	+ UCS Manager Configuration	
			+ Network Configuration	
			+ External FC Storage (optional)	
			+ External ISCSI Storage (optional)	
			+ Proxy Setting (optional)	

群集配置 — 自動支援

≡	cisco Intersight	Create HyperFlex Cluster Profile	Q. 🖬 5 🔺 11	⊠ °	۲	0	Avinash Shukla
<u>00a</u>	Dashboards						
8		General	+ Security ⊘		hx-2-lo	cal-credential-	policy 🗐
\$	HyperFlex Clusters		+ DNS, NTP and Timezone 📀		h	-2-sys-config-	policy 🗐
₽	Fabric Interconnects	Cluster Configuration	+ vCenter (optional)		hx-2-v	center-config-	policy 🗐
â	Service Profiles		+ Storage Configuration (optional)		hx-2-cl	uster-storage	policy 🗐
£	Policies	 Nodes Assignment 	— Auto Support (optional) ⊘				
Ŷ	Devices	Nodes Configuration	1 ▲ Auto-Support © Send Service Ticket Notification to				
		Summary	[+] IP & Hostname				
		Results	+ UCS Manager Configuration				
			+ Network Configuration				
			+ External FC Storage (optional)				
			+ External iSCSI Storage (optional)				
		Save & Close		F	revious		Next

群集配置 — IP和主機名

=	cisco Intersight	Create HyperFlex Cluster Profile			Q ■ 5 A 11 🕑 Q	0	Avinash Shukla
<u>00o</u>	Dashboards						
88		📍 General	+ Auto Support (optional)			hx-2-auto-suppo	rt-policy 🗐
\$	HyperFlex Clusters		- IP & Hostname				
무	Fabric Interconnects	Cluster Configuration	Hostname Prefix *				
ß	Service Profiles	Nodae Accimment	hx-2-esxi				
1	Policies	Troues Assignment	Management Network Starting IP *		Management Network Ending IP *		
ø		 Nodes Configuration 	172.1	0	172.		<u> </u>
		Summary	Management Network Subnet Mask * 3	<u> </u>	Management Network Gateway * 172. 1995		
		Results	Controller VM Management Network Starting IP 172.	0	Controller VM Management Network Ending II 172.1		<u>o</u>
			Controller VM Management Network Subnet Mask 7 255.255.255.0	0	Controller VM Management Network Gateway 172.1		0
		Save & Close			Previo	ous	Next

群集配置 — UCSM配置

≡	disco Intersight	Edit HyperFlex Cluster Profile (HX-2)			Q 🖬 5 🔺 11	₽ °	0	O Avinasi	h Shukla
<u>00o</u>	Dashboards		+ IP & Hostname				hx-2-nor	le-confin-nolicy	<u>ต</u>
8		General	- UCS Manager Configuration				114 2 1104	Select Policy	1 1
\$	HyperFlex Clusters								
무	Fabric Interconnects	Cluster Configuration	Server Firmware Version * 4.0(1c) 1						
õ	Service Profiles	 Nodes Assignment 							
۵			MAC Prefix Starting Address * 00:25:B5:AA 2		MAC Prefix Ending Addre 00:25:B5:AA	85°			
ø	Devices	 Nodes Configuration 							
		Summary	KVM Starting IP * 4		KVM Ending IP * 172.	5		0	
		Results	KVM Subnet Mask * 255.255.255.0 6	<u> </u>	KVM Gateway * 172.	7		0	
			+ Network Configuration						
			+ External FC Storage (optional)						
		Save & Close				Previ	ous	Next	

群集配置 — 網路

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)			ᢕ ◙ 5 ▲ 11 🕑	۹ ۵	() A	vinash Shukli
<u>00o</u>	Dashboards		+ IP & Hostname 😒			nx-2-	noae-contig-pol	icy 🗐
8	Servers	General	+ UCS Manager Configuration			hx-2-	ucsm-config-pol	icy 🗐
\$	HyperFlex Clusters		- Network Configuration					
무	Fabric Interconnects	Cluster Configuration	Management Network VLAN Name *		Management Network VLAN ID			
Ô	Service Profiles	 Nodes Assignment 	HX-MGMT	1 0	67	2		<u> </u>
۵	Policies		VM Migration VLAN Name *		VM Migration VLAN ID *			
Ŷ	Devices	Nodes Configuration	HX-VMOTION	<u>3</u> o	4			<u> </u>
		Summary	VM Network VLAN Name * HX-VMNETWORK	<mark>5 o</mark>	VM Network VLAN ID *		+	
		Results	 Jumbo Frames © 7 					
			+ External FC Storage (optional)					
			+ External ISCSI Storage (optional)					
			+ Proxy Setting (optional)		13			
		Save & Close				Previous	Nex	t

群集配置 — 外部儲存(可選)

如果已啟用,請分別填寫FI A和FI B的VSAN名稱和VSAN ID。

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)			Q 🛛 5 🔺 11					Avinas	sh Shukla
010	Dashboards		+ Storage Configuration (optional)					hx-2-clu	ister-storag	e-policy	
		• General	+ Auto Support (optional)					hx-2-	auto-suppor	t-policy	
8	HyperFlex Clusters		+ IP & Hostname 🛇					hx-2	node-confi	g-policy	
무	Fabric Interconnects	Cluster Configuration	+ UCS Manager Configuration					hx-2-	ucsm-confi	g-policy	
õ	Service Profiles	 Nodes Assignment 	+ Network Configuration 🔗					hx-2-clu	ster-networ	k-policy	
e			External FC Storage (optional)								
Ŷ	Devices	 Nodes Configuration 	Enable FC Storage Enables or disables external FC sto	rage co	nfiguration.						
		Summary	VSAN A Name *	0	VSAN A ID *					0	
		Results									
			VSAN B Name *	0	VSAN B ID *					0	
			WWxN Range Starting Address * 20:00:00:25:B5:	<u> </u>	WWxN Range Ending 20:00:00:25:B5:	Address *				<u> </u>	
		Save & Close					Prev	rious		Next	

群集配置 — 代理設定(可選)

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		🗘 🖬 5 🔺 11	₽ 4	© ©	Avinash Shukla
<u>00o</u>	Dashboards						
8	Servers	General	+ Auto Support (optional)			hx-2-auto-suppo	int-policy
\$	HyperFlex Clusters		+ IP & Hostname			hx-2-node-conf	ig-policy 📄
무	Fabric Interconnects	Cluster Configuration	+ UCS Manager Configuration 🖉			hx-2-ucsm-conf	lig-policy 🗐
6	Service Profiles		+ Network Configuration ⊘			hx-2-cluster-netwo	rk-policy 📋
í I	Policies	 Nodes Assignment 	+ External FC Storage (optional)				
	Devices	Nodes Configuration	+ External iSCSI Storage (optional)				
Ť			- Proxy Setting (optional)				
		Summary	Hostname * Port *				
			.com © 8080	0	Username		<u> </u>
		Results					
			Password	₿.			
			+ HyperFlex Storage Network 🔗				
		Save & Close			Prev	ious	2

群集配置 — Hyperflex儲存網路

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		🗘 🖬 5 🔺 11) Avinas	sh Shukla
<u>00o</u>	Dashboards							
8		• General	+ vCenter (optional)			hx-2-vcenter-	config-policy	
\$	HyperFlex Clusters		+ Storage Configuration (optional)			hx-2-cluster-st	orage-policy	
₽	Fabric Interconnects	Cluster Configuration	+ Auto Support (optional)			hx-2-auto-su	pport-policy	
តា	Service Profiles		+ IP & Hostname ⊘			hx-2-node-	config-policy	
6	Policies	 Nodes Assignment 	+ UCS Manager Configuration 🔗			hx-2-ucsm-	config-policy	
	Devices	 Nodes Configuration 	+ Network Configuration			hx-2-cluster-ne	twork-policy	
			+ External FC Storage (optional)					
		Summary	+ External iSCSI Storage (optional)					
			+ Proxy Setting (optional)			hx-2-proxy-s	etting-policy	
		Results	— HyperFlex Storage Network 🛆					
			Storage Network VLAN Name * Storage HX-StorageDataNetwork 1 O 5	ige Network VLAN ID * 2 O				
		Save & Close			Pre	vious	Next	

步驟10.選擇作為節點分配一部分的伺服器。

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)			₲ 🖬 ५ 🔺 ११ 🛛 🖓	9, 10 O	Avinash Shukla
<u>00o</u>	Dashboards						
8	Servers	General	Cisco HyperFlex Fabric Interconnect	t cluster allows a minimum of 3 to a ma	ximum of 32 nodes.		
\$	HyperFlex Clusters		Assign Nodes Assign Nod	es Later			
무	Fabric Interconnects	 Cluster Configuration 	Show selected(3) Selec	t the servers			
õ	Service Profiles	Nodes Assignment					
۵	Policies		Q Search		4 items found 10 v p	erpage 🛛 🤇 🧵 of 1 🕞	
ø		Nodes Configuration		Assign Status	Model		
			hx-2-ucsm-2	Not Assigned	HX240C-M4SX		
		 Summary 	hx-2-ucsm-4	Not Assigned	HX240C-M4SX		
		Results	hx-2-ucsm-3	Not Assigned	HX240C-M4SX		
			hx-2-ucsm-1	Not Assigned	HX240C-M4SX		
			Selected 3 of 4 Show Selected				
		Save & Close				Previous	Next

步驟11.配置並確認用於節點配置的虛擬機器監控程式IP和儲存控制器IP地址,

=	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)				Q 🖬 5 🔺 11	₿ ¢	0	0	Avinash Shukla
<u>00o</u>	Dashboards									
8	Servers	General	IP & Hostname Setting:	s						
\$	HyperFlex Clusters		Hostname Prefix	hx-2-esxi	Management Subnet Mask	255.255.255.0	Management Gateway	Network		
₽	Fabric Interconnects	 Cluster Configuration 	Management Network Starting IP	172.	Management Network Ending IP	172.	Controller VM Mask	Subnet	255.255.255	
6	Service Profiles	Nodes Assignment	Controller VM Gateway		Controller VM Starting IP	172.	Controller VM	Ending IP		
ſ	Policies	Houes Assignment								
ø	Devices	Nodes Configuration	Nodes Configuration Above shown IP & Hostname settings were used for nodes configuration auto-complete. You can chan							
		Summary	Cluster Management IP Add		MAC Prefix Address * 2 00:25:B5:AA 2	₽				
		Davulta	Nodes (4) Expand							
		• results								
		Save & Close						Previous		Next

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)			Q 🖬 5 🔺 11	C 4 0	② Avinash Shukla
<u>00o</u>	Dashboards		172.	00:25:85:AA			
8	Servers	General	Nodes (4) 🖂 Collapse All				
\$	HyperFlex Clusters						
무	Fabric Interconnects	Cluster Configuration	- FCH2024V0NC				
6	Service Profiles	Nodes Assignment	Hostname * hx-2-esxi-1	Hypervisor IP *		Storage Controller IP *	0
6	Policies						
ø	Devices	Nodes Configuration	- 50420189480				
			- PUNZUHAY INQ				
		Summary	Hostname * hx-2-esxi-2	Hypervisor IP *		Storage Controller IP * 172.1	
		Results	le l				
			- FCH2024V0MN				
			Hostname *	Hypervisor IP *		Storage Controller IP *	
			hx-2-esxi-3	<u> </u>		172.1	
							Next

步驟12.按一下Validate & Deploy, 檢查進度狀態,然後等待安裝完成。

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)			Ç) 🖬 5 🔺 11 🖂	ି ୍ ତ	Avinash Shukla Avinash Avinash Avinash Avinash Shukla Avinash Avinash
<u>00o</u>	Dashboards						Chuster Profil	la kiV.2 was
8		e General	General				Updated.	Close
\$	HyperFlex Clusters		HyperFlex Cluster Name	HX-2	Assigned Nodes	4	Replication	3
무	Fabric Interconnects	Cluster Configuration	HyperFlex Cluster Type HyperFlex Data Platform Version	FI 3.5(2a)	Cluster Management IP Address	172.	MAC Prefix Address	00.25.85.AA
6	Service Profiles	Nodes Assianment						
1	Policies							
ø	Devices	 Nodes Configuration 	Cluster Configuration	Nodes Configuration	Errors / Warnings			
			Security				root	
		Summary			The hypervisor on default password		Yes	
		Results						
			DNS, NTP and Timezone				America/Vancouver	
							172. , 172.	
							Validate	Validate & Deploy

步驟13.檢查進度狀態並等待安裝完成。

General Cluster Configuration	HyperFlex Cluster Name Progress Current Stage	HX-2 67% Cluster deployment	HyperFlex Cluster Type Start Time	FI Mar 9, 2019 9:04 AM	Assigned Nodes Duration	4 17m 17s			
 Nodes Assignment 	Expand All		로 All (4	134) In Progress (4)	Success (428) Failed	(0) Warning (2)			
 Nodes Configuration 	- HyperFlex Cluster	нх-2 ⊘	Witnes	s Node IP Reachability Che	ck				
Summary DNS reachability									
Results	ONTP reachab	ility							
	Controllers n	ot in existing cluster check							
	vCenter Reve	rse Proxy Port check							
	ESXi uniform	version check							

General	Cluster HX-2 was created successfully				
Cluster Configuration	HyperFlex Cluster HX-2 Name 100 Progress Cluster creation	HyperFlex Cluster Type 3% Start Time	Fl Mar 9, 2019 9:04 AM	Assigned Nodes Duration	4 1h 1m 9s
 Nodes Assignment 		→ AH/66	0) In Program (0)	Susses (550) Eniled ((0) Warning (2)
Nodes Configuration	LiungerElay Cluster UV-2		 In Progress (0) k summary: e60h7hbb-f96 	50000055 (556) Failed (o) wanning (2)
Summary	+ UCS-hx-2-ucsm	 Rode dis Configuri 	ng static ip on the specifie	d ESXi servers	
 Results 	+ rack-unit-1 hx-2-esxi-4 (172.16.67.140)	 Host data 	a subnet check		
	+ rack-unit-2 hx-2-esxi-1 (172.16.67.137)	A 💿 Host data	a subnet check		
	+ rack-unit-3 hx-2-esxi-3 (172.16.67.139)	I Host data	a subnet check		
	+ rack-unit-4 hx-2-esxi-2 (172.16.67.138)	A State	a subnet check		ОК

步驟14.請驗證群集是否為ONLINE和HEALTHY,並運行post_install.py指令碼。

- 使用<root>(HX 4.0及以下)或<admin>(HX 4.5及以上)安裝期間提供的使用者名稱和控制器VM密碼對群集管理IP地址進行SSH並登入。
- 將以下命令貼上到外殼中,然後按下enter鍵:**hx_post_install**

驗證

步驟1.檢查服務配置檔案下的服務配置檔案狀態。

≡	cisco Intersight	Service	Profiles					🗘 🖪 43 🔺 12	₽ q	. ©	0	Avinash Shi	ukla 🔬
<u>00o</u>	Dashboards	III Ne	New features have recently been added! Learn More										
		HyperFl	Flex Cluster Profiles Server Profiles & Create HyperFlex Cluster Profile										
*	HyperFlex Clusters												
무	Fabric Interconnects		ି ବ	Search				xport 1 items found	10 ~	per page 📧			
6	Service Profiles		Name		Туре	Nodes		Status		Last Upda			
ſ	Policies							ок		Mar 9, 20	19 10:05 AM		
•													

步驟2.在Hyperflex群集下,確認HX群集運行狀況和其他詳細資訊,

≡	cisco Intersight	HyperFlex Clusters	Q 🖬 31	9 🔺 12 🛛 🤤 🔍 🔅 💮 Avinash Shukla 🕰					
<u>00o</u>	Dashboards	New features have recently been added! Learn More							
8	Servers	🖉 Q, Search	1 items found 11 v per page K < 1 of 1 ≥ ≫ 🔕						
\$	HyperFlex Clusters	Name : Health : Type : Hyper	Flex	y					
₽	Fabric Interconnects	HX-2 Ø Healthy HyperFlex Hybrid 3.5(2a) VMware vSphe 20.	1 1.0% 0% ! ····					
6	Service Profiles								
1									
Ŵ									

步驟3.單擊名稱HX-2並瀏覽到配置檔案詳細資訊,驗證Details下的以下:

- •群集管理IP地址
- •儲存VLAN ID
- 複製因子
- 群集型別

驗證Configuration、

≡	cisco Intersight	HyperFlex Clusters > HX-2		🗘 🛯 39 🔺 12	₽	C,	۲	0	Avinash Shukla 🖉			
<u>00o</u>	Dashboards	New features have recently been added! Learn N	Aore						×			
8	Servers	General Profile										
\$	HyperFlex Clusters	Details	Configuration						Ē			
₽	Fabric Interconnects	Status Ok	Cluster Nodes Results									
6	Service Profiles	Name HX-2	Network Configuration					hx-2-clust	er-network-policy 🗐			
1	Policies	Description HX-2	Security					hx-2-local	-credential-policy 📶			
Ŷ		Last Update Mar 9, 2019 10:05 AM	vCenter					hx-2-vcer	nter-config-policy 🗐			
		Assigned Nodes 4	Proxy Setting					hx-2-pro	oxy-setting-policy 🗐			
		Cluster Type Interconnect	UCS Manager Configuration					hx-2-uc	sm-config-policy 🗐			
		Replication Factor 3	IP & Hostname					hx-2-n	ode-config-policy 🗐			
		Cluster Management IP Address 172.	Auto Support					hx-2-au	to-support-policy 🗐			
		Storage Network VLAN ID 5	Storage Configuration					hx-2-clust	er-storage-policy 📶			
		Storage Network VLAN Name StorageDataN	DNS, NTP and Timezone					hx-2-	sys-config-policy 🗐			
		MAC Prefix Address 00:25:B5:AA										

步驟4.在Intersight上從Hyperflex群集交叉啟動Hyperflex連線,並從Hyperflex Connect驗證群集狀態。

≡	cisco Intersight	HyperFlex Clusters							🗘 🖬 38 🖌	12	٩	۲	Ø Avinash S	ihukla 🖉
<u>00o</u>	Dashboards	III Ne	III New features have recently been added! Learn More										×	
8	Servers		⊘ Q Search ☐ Export 1 items found 11 v per page K <											
\$	HyperFlex Clusters		Name		Health ‡	Type ‡	HyperFlex 🕴	Hypervisor ‡	Storage Capacity	Storage Utilizati		ige Optimiz	Server Nodes	
5	Fabric Interconnects				Healthy	HyperFlex Hybrid	3.5(2a)	VMware vSphe_	20.1	1.05		0*		
6	Service Profiles												Launch HyperFlex C	onnect
1												<u>ا</u>		
ŵ	Devices													

· ·		https://intersight.com/nx/starget=5063e4	sbol72012031aabosaascope=nx	(-3.5.2d#/clusters/1		× .
=	сіясо Нуре	rFlex Connect		HX-2		Ω <mark>∞</mark> 2 ₿ Ø ₽
Θ	\oslash	OPERATIONAL STATUS Online				
↓	-∕∕~•	RESILIENCY HEALTH Healthy ①			✓ 1 Node failure can be tolerated	
Î	Ð	сарасіту 20.1 тв	1.0% 195.9 GB Used	19.9 TB Free	STORAGE Storage optimization, com OPTIMIZATION usage.	pression and deduplication ratios will be ufficient information regarding cluster

關於此翻譯

思科已使用電腦和人工技術翻譯本文件,讓全世界的使用者能夠以自己的語言理解支援內容。請注 意,即使是最佳機器翻譯,也不如專業譯者翻譯的內容準確。Cisco Systems, Inc. 對這些翻譯的準 確度概不負責,並建議一律查看原始英文文件(提供連結)。