Cisco Intersight - Installazione, configurazione e installazione Hyperflex su VMware ESXi

Sommario

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Introduzione

Cisco Intersight semplifica le operazioni dei centri dati offrendo la gestione dei sistemi come servizio, eliminando la necessità di mantenere isole di infrastrutture di gestione in sede.

Cisco Intersight fornisce un'installazione guidata per installare, configurare e distribuire i cluster Cisco HyperFlex - HX Edge e FI-attached. La procedura guidata crea una definizione di preconfigurazione del cluster denominata Profilo cluster HX. Questa definizione è una rappresentazione logica dei nodi HX nel cluster HX e include:

- **Sicurezza**: credenziali per il cluster HyperFlex, ad esempio password della macchina virtuale del controller, nome utente e password dell'hypervisor.
- Configurazione: requisiti del server, firmware, ecc.
- Connettività: rete upstream, rete virtuale, ecc.

In questo documento vengono illustrati i passaggi e le schermate per la distribuzione di cluster Hyperflex collegati tramite FI tramite intersight.

Prerequisiti

Requisiti

Versioni supportate per le distribuzioni di cluster HX con connessione FI

Componente

Versione/Release

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

Server M4, M5

HX220C-M5SX HXAF220C-M5SX HX240C-M5SX HXAF240C-M5SX

Device Connector

Aggiornamento automatico di Cisco Intersight

Intersight Connectivity

Considerare i seguenti prerequisiti relativi alla connettività di Intersight:

- Verificare che il **connettore** del **dispositivo** sull'istanza di UCS Manager corrispondente sia correttamente configurato per la connessione a **Cisco Intersight** e richiesto.
- Tutti i connettori dei dispositivi devono risolvere correttamente **svc.ucs-connect.com** e consentire le connessioni HTTPS in uscita avviate sulla porta 443.
- Hyperflex Installer versione fino alla 3.5(2a) supporta l'uso di un proxy HTTP, tranne quando il cluster viene ridistribuito e non è nuovo in fabbrica.
- Tutte le interfacce di gestione della macchina virtuale del controller devono risolvere correttamente download.intersight.com e consentire le connessioni HTTPS avviate in uscita sulla porta 443. La versione corrente di HX Installer supporta l'utilizzo di un proxy HTTP se la connettività Internet diretta non è disponibile, tranne quando il cluster viene ridistribuito e non è nuovo dalla factory.
- Il server ESX, la rete del controller HX e l'host vCenter devono essere accessibili tramite le interfacce di gestione UCS Fabric Interconnect.
- A partire da HXDP versione 3.5(2a), il programma di installazione di Intersight non richiede la presenza di una VM controller preinstallata sui server HyperFlex. Tuttavia, questo requisito sarà ancora applicabile se la connettività a Intersight avviene tramite un proxy HTTP. Tutti i NUOVI server HX possono essere distribuiti così come sono con un proxy HTTP.

Altri requisiti

Requisiti software Requisiti fisici

Requisiti di rete

Requisiti porta

Informazioni sulla distribuzione

Componenti usati

- Cisco Intersight
- Cisco UCSM
- Cisco HX Server
- Cisco Hyperflex
- VMWare ESXi

VMware vCenter

Configurazione

Esempio di rete

• Cisco Intersight offre un modo semplice per distribuire i cluster HyperFlex includendo HyperFlex Installer in tutte le edizioni di Cisco Intersight.



Procedura di configurazione

Passaggio 1. Accedere a Cisco Intersight e selezionare l'account utente come mostrato di seguito.



Passaggio 2. Nel dashboard fare clic sulla scheda Dispositivi nel riquadro di destra.

÷	\rightarrow C $$ https://inte	ersight.com/an/dashboard/	
≡	'''''''' Intersight	Dashboards	Q 🛛 12 🔺 1
<u>00o</u>	Dashboards	INew features have recently been added! Learn More	
	Servers	Dashboard 1 🖉 +	
8	HyperFlex Clusters		
₽	Fabric Interconnects	Server Health Summary	HyperFlex Cluster Health Summary
ß	Service Profiles	▲ [◎] 2	1
1	Policies	WARNING HEALTHY	CRITICAL
۲	Devices	←	
		Server Inventory	HyperFlex Cluster Inventory
		G TOTAL B 2	1 TOTAL Types • HyperFlex 1

Passaggio 3. In Dispositivi, fare clic su Richiedi un nuovo dispositivo

\$

≡	cisco Intersight	Devices						🗘 🖬 12	🔺 11 📔 🖂				Avinash Sh	ukla 🕰
<u>00o</u>	Dashboards	🔲 New fea	atures h	have recently been add	ed! Learn More									×
													Claim a New D	Device
\$	HyperFlex Clusters													
모	Fabric Interconnects			Search Hyperflex ×	Search				0 items found	10	✓ per page		0 of 0 > 洌	
6	Service Profiles		Name		Status	Туре	Device IP		Device ID			Claim	ned By	
Ø	Policies													
ø	Devices													
													K < 0 of 0 [

Passaggio 4. Accedere a UCS Manager, selezionare Admin -> Device Connector. Fare clic su Settings per configurare la modalità di accesso e la configurazione proxy

æ	All	All / Device Connector			
	 Internal Costs 				
	LAN Cloud				
	SAN Cloud			_	
器	► root 🕚	Intersight Management	Settings	×	
-	Time Zone Management				
*	 Capability Catalog 	Enabled	General	Proxy Configuration Certificate Manager	
	Adapters		tores that		SSI201001PJ
	Blade Servers	When this option is enabled, you can c this system and leverage the capabilit	Access Mode		
=	CPUs	of Cisco Intersight.	Read-only		E 🕒
	Chassis	If disabled, no communication will be	Allow Control		-
	Coprocessor Cards	allowed to Cisco Intersight.		1	
	Crypto Cards				
-0	Fan Modules				
	GPLLCards				
	Local Dicke				
	Momon Linite				
	Memory Units				
	Delle				
	Pous			Cancel Ok	
	Rack-Mount Servers				
	Storage Controllers				
	License Management				
	Device Connector				
Æ	All 👻	All / Device Connector			
	- Internet Leav	The Davies Connectorie on embadded manage			
	LAN Cloud				
	SAN Cloud				
ᄚ	► root 🙆		Settings	×	
=	 Time Zone Management 				
-	 Capability Catalog 	Enabled	General	Proxy Configuration Certificate Manager	SSI201001D1 B
	Adapters		HTTPS Proxy	Enabled	5512010011-5
	Blade Servers	this system and leverage the capabilit			
	CPUs		Proxy Hostname/IP *	Proxy Port *	3 E
	Chassis			<u> </u>	
	Coprocessor Cards				
3.	Crypto Cards		Authentication		
-0	Fan Modules				
	GPU Cards	Agent ett bor			
	IO Modules				
	Local Disks				
	Memory Units				
	Mini Storage				
	PSUs				
	PSUs Rack-Mount Servers			Cancel Ok	
	PSUs Rack-Mount Servers Storage Controllers			Cancel Ok	
	PSUs Rack-Mount Servers Storage Controllers			Cancel Ok	

Passaggio 5. In UCS Manager, selezionare Admin -> Device Connector. Abilitare l'interruttore Intersight Management e ottenere l'ID dispositivo e il codice attestazione.



Passaggio 6. Nell'account Intersight, utilizzare il **codice attestazione** e l'**ID dispositivo** (acquisiti nel passaggio 5) per richiedere il dispositivo. Ora il dominio UCSM è rivendicato.

≡	cisco Intersight	Device Claim		🗘 🖪 35 🔺 12	ß	٩	۲	0	Avinash Shukla 🔬
<u>00o</u>	Dashboards	New features have recently been added! Learn More							×
8	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 C Device ID * SSI Claim Code * Required	laim Code.					

Passaggio 7. Selezionare Devices per confermare che il nuovo dominio sia **"Connected"** e **"Claimed"**. Inoltre, verificare di avere ora l'opzione per l'avvio incrociato dell'interfaccia utente UCSM e della CLI UCSM da Intersight.

<u>00o</u>	Dashboards										C	laim a New D	evice
	Servers												
ŝ	HyperFlex Clusters	0, <u>s</u>	earch						12 v per pag	• 🗵	< <u>2</u> of		
	Fabric Interconnects	Name		Status 🗘	Туре		Device IP	Device ID		Cla	imed By		
6	Service Profiles			Connected	UCS Do	main		ss	1PJ	r	ที่แม่นผู้เล่งเง		
	Policies										\mathbb{K}	Launch L	JCSM
Ŷ	Devices											Launch C	xu

Passaggio 8. In Profili di servizio, fare clic su Crea profilo cluster Hyperflex

<u>00o</u>		Hyper	Flex Cluster Profiles & Server Profiles & Create HyperFlex Cluster Create HyperFlex Cluster Create HyperFlex Cluster									Create Hyp	erFlex Cluste	rofile
=			_	_										
\$	HyperFlex Clusters			Q Search								erpage 📧 🤇 0		
₽	Fabric Interconnects							Nodes		Status		Last Update		
බ්	Service Profiles													
ſ	Policies													
ø				Selected 1 of (C 0 of 0 (

Passaggio 9. Configurare il profilo di servizio eseguendo la procedura seguente:

Attività generali

=	cisco Intersight	Create HyperFlex Cluster Profile			2 🖬 5 🔺 11				Avinash Shukla
<u>00</u> 0	Dashboards		 Prior to creating a HyperFlex Cluster profile, ensure that installation instructions, here 	you go through the pre-	installation checklist	and the de	tailed Hyperf		
11 48	Servers HyperFlex Clusters	eneral	Name* HX-2 ©						
Ŧ	Fabric Interconnects	Cluster Configuration							
6	Service Profiles	 Nodes Assignment 	HyperFlex Data Platform Version 3.5(2a) v o						
ſ									
•	Devices	 Nodes Configuration 	Type © Cisco HyperFlex Edge Cisco HyperFlex with Fabric	Interconnect 3					
		Summary	Replication Factor © 4 () 2 • 3						
		Results	Description HX-2 5						
			Add Təg						
		Cancel							Next

Configurazione cluster - Sicurezza

≡	cisco Intersight	Create HyperFlex Cluster Profile	Q 🖬 5 🔺 11	🗹 🔍 😳 💿 Avinash Shukla
<u>00o</u>	Dashboards			
8	Servers	General	- Security 🛆	
\$	HyperFlex Clusters		Ukunan dana Admin t	
Ŧ		Cluster Configuration	root 1	
බ්	Service Profiles	Nordes Assignment		
1	Policies	- House Assignment	The hypervisor on this node uses the factory default password	
ø	Devices	 Nodes Configuration 	Hypervisor Password * Hypervisor Password	Confirmation * 💿 💿 🙎
		Summary	Controller VM Admin Password * Controller VM Admin I	Password Confirmation * 💿 💿 🤱
		Results		
			+ DNS, NTP and Timezone	
			+ vCenter (optional)	
			+ Storage Configuration (optional)	
			+ Auto Support (optional)	
		Save & Close		Previous

Configurazione cluster - DNS, NTP e fuso orario

≡	cisco Intersight	Create HyperFlex Cluster Profile	Q 🖬 5 🔺 11 🖾 🔍 🔇	Avi	nash Shukla
<u>a0.</u>	Dashboards				
8		General	+ Security 🖉 h	x-2-local-credential-polic	
ŵ	HyperFlex Clusters		- DNS, NTP and Timezone		
무	Fabric Interconnects	Cluster Configuration	Timezone * DNS Suffer		
6	Service Profiles	 Nodes Assignment 	America/Vancouver 1 vo sis.local	<mark>2</mark> ©	
1	Policies				
ø		 Nodes Configuration 	172.141110 3 0 1172.141110	<u>4</u> ∘ +	
		Summary	- DNS Servers *		
		Results	+ vCenter (optional)		
			+ Storage Configuration (optional)		
			+ Auto Support (optional)		
			+ IP & Hostname		

Configurazione cluster - Configurazione vCenter

≡	cisco Intersight	Create HyperFlex Cluster Profile	L ■ 5 🔺 11 🕑 Q, 🤤	⑦ Avina	rsh Shukla
<u>00o</u>	Dashboards		+ Security 🕗 hx-24oci	al-credential-policy	
8	Servers	General	+ DNS, NTP and Timezone 📀 hat	2-sys-config-policy	
\$	HyperFlex Clusters		— vCenter (optional)		
무	Fabric Interconnects	Cluster Configuration	vCenter Server FQDN or IP * vCenter Username * vCenter Password *		
6	Service Profiles	 Nodes Assignment 	172. 172. 172. 172. 172. 172. 172. 172.	3 @ 0	
۵			vCenter Dataventer Name + vCenter Simila-Sim-Dn Saruer		
Ŷ	Devices	 Nodes Configuration 	HX-2 <u>4</u> (Optional) •		
		Summary			
			+ Storage Configuration (optional)		
		Results	+ Auto Support (optional)		
			+ IP & Hostname		
			+ UCS Manager Configuration		
			+ Network Configuration		
			+ External FC Storage (optional)		

Nota: per la configurazione di vCenter è consigliabile ignorare il server vCenter Single Sign-On. Si prega di controllare sotto pagina documento 27,

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

Configurazione cluster - Configurazione di archiviazione

≡	cisco Intersight	Create HyperFlex Cluster Profile	다 🖬 5 🛆 11 🕑 오, ③ ④ Avinash Sh	ukla
<u>00o</u>	Dashboards		т авъяну 🔾 населенановна протех пасто в населена протех с 🔝	
8		General	+ DNS, NTP and Timezone 🖉 hx-2-sys-config policy 👔	
\$	HyperFlex Clusters		+ vCenter (optional)	
₽	Fabric Interconnects	Cluster Configuration	- Storage Configuration (optional)	
6	Service Profiles	Nodes Assignment	Logical Availability Zones configuration is recommended for HyperFlex Clusters with 8 or more nodes connected to FL	
۵				
Ŷ	Devices	 Nodes Configuration 	Vol Optimization © Clean up Uisk 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)	
		Save & Close	Previous	

Configurazione cluster - Supporto automatico

≡	cisco Intersight	Create HyperFlex Cluster Profile		Q 🖬 5 🔺 11 🕑	с, (9 0	Avinash Shukla
<u>00o</u>	Dashboards						
=		• General	+ Security ⊘		hu	x-2-local-credential-	policy 🗐
\$	HyperFlex Clusters		+ DNS, NTP and Timezone			hx-2-sys-config-	policy 🗐
무	Fabric Interconnects	Cluster Configuration	+ vCenter (optional)			x-2-vcenter-config-	policy 🗐
6	Service Profiles		+ Storage Configuration (optional)		h	x-2-cluster-storage-	policy 📋
£	Policies	 Nodes Assignment 	— Auto Support (optional)				
Ŷ	Devices	Nodes Configuration	1 ● Auto-Support ② Send Ser	vice Ticket Notification to			
		 Summary 	[+] IP & Hostname				
		Results	+ UCS Manager Configuration				
			+ Network Configuration				
			+ External FC Storage (optional)				
			+ External ISCSI Storage (optional)				
		Save & Close			Previous		Next

Configurazione cluster - IP e nome host

=	cisco Intersight	Create HyperFlex Cluster Profile		Q 🖬 5 🔺 11 🛛 Q, 🛛 {	Avinash Shukla
<u>00o</u>	Dashboards				
88		📍 General	+ Auto Support (optional)		hx-2-auto-support-policy
\$	HyperFlex Clusters		— IP & Hostname ⊘		
무	Fabric Interconnects	Cluster Configuration	Hostname Prefix *		
බ්	Service Profiles	 Nodee Assignment 	hx-2-esxi		
6	Policies	· Houes Assignment	Management Network Starting IP *	Management Network Ending IP *	
Ŷ		 Nodes Configuration 	172.1	<u> 172.1 172.1 172.1 172.1 172.1 172.1 172.1 172.1 </u>	<mark>- ∡ ⊙</mark> - ₽
		Summary	Management Network Subnet Mask * 3 255.255.255.0 3	Management Network Gateway * O 172.1	<u>4</u> o
		Results	Controller VM Management Network Starting IP 172. 5	Controller VM Management Network Ending IP O 172.	<u>6 o</u>
			Controller VM Management Network Subnet Mask 7	Controller VM Management Network Gateway O 172.1	8 0
		Save & Close		Previous	Next

Configurazione cluster - Configurazione UCSM

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		ζ	Q 🖬 5 🔺 11	ß	Q,	•	Avina:	sh Shukla
<u>00o</u>	Dashboards									
8		General	+ IP & Hostname					hx-2-node	-config-policy	
\$	HyperFlex Clusters		UCS Manager Configuration							
무	Fabric Interconnects	Cluster Configuration	Server Firmware Version * 4.0(1c)							
6	Service Profiles	 Nodes Assignment 								
1			MAC Prefix Starting Address * 00:25:B5:AA 2	۱ ©	MAC Prefix Ending Add 00:25:85:AA	iress *				
ø	Devices	Nodes Configuration								
		Summary	KVM Starting IP * 4		KVM Ending IP *				0	
		Results	KVM Subnet Mask * 6		KVM Gateway * 172. 1990 - 199 Required				0	
			+ Network Configuration							
			+ External FC Storage (optional)							

Configurazione cluster - Rete

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		Q 🖬 5 🔺 11 🕑	۹ © (ව Avina:	sh Shukla
<u>00o</u>	Dashboards		+ IP & Hostname 🐑		nx-2-node	e-contig-policy	
8	Servers	General	+ UCS Manager Configuration		hx-2-ucsm	n-config-policy	
\$	HyperFlex Clusters		— Network Configuration 🛆				
무	Fabric Interconnects	Cluster Configuration	Management Network VLAN Name *	Management Network VLAN ID *			
6	Service Profiles	 Nodes Assignment 	нх-момт 1	<u> </u>	2	<u> </u>	ſ
6	Policies		VM Migration VLAN Name *	VM Migration VLAN ID *			
Ø	Devices	 Nodes Configuration 		<u> </u>		0	
		Summary	VM Network VLAN Name * 5	VM Network VLAN ID *		<u> </u>	
		Results	Jumbo Frames ◎ 7				
			+ External FC Storage (optional)				
			+ External ISCSI Storage (optional)				6
			+ Proxy Setting (optional)	ki -			
		Save & Close			Previous	Next	

Configurazione cluster - Storage esterno (opzionale)

Se abilitato, specificare il nome VSAN e l'ID VSAN rispettivamente per FI A e FI B.

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)			Q ■ 5 A 11 🛛 Q		ash Shukla
<u>00o</u>	Dashboards		+ Storage Configuration (optional)			hx-2-cluster-storage-policy	
8		General	+ Auto Support (optional)			hx-2-auto-support-policy	
\$	HyperFlex Clusters		+ IP & Hostname 🔗			hx-2-node-config-policy	
무	Fabric Interconnects	Cluster Configuration	+ UCS Manager Configuration			hx-2-ucsm-config-policy	
6	Service Profiles	 Nodes Assignment 	+ Network Configuration ⊘			hx-2-cluster-network-policy	
ſ			- External FC Storage (optional)				
Ŷ	Devices	 Nodes Configuration 	Enable FC Storage 🔿 🔹 Enables or disables every list of the second stables every list of the seco	storage co	nfiguration.		
		Summary	VSAN A Name *	0	VSAN A ID *	٥	
		Results					
			VSAN B Name *	0	VSAN B ID *	0	
			WWxN Range Starting Address * 20:00:00:25:85:		WWxN Range Ending Address * 20:00:00:25:85:	0	
		Save & Close			Pr	evious	

Configurazione cluster - Impostazione proxy (opzionale)

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		Q 🖬 5 🔺 11	☑ 4,	O Avinash Shukla
<u>00o</u>	Dashboards					
=	Servers	• General	+ Auto Support (optional)			hx-2-auto-support-policy
\$	HyperFlex Clusters		+ IP & Hostname ⊘			hx-2-node-config-policy
	Fabric Interconnects	Cluster Configuration	+ UCS Manager Configuration 🔗			hx-2-ucsm-config-policy
6	Service Profiles		+ Network Configuration			hx-2-cluster-network-policy
1		 Nodes Assignment 	+ External FC Storage (optional)			
ŵ	Devices	 Nodes Configuration 	+ External iSCSI Storage (optional)			
			— Proxy Setting (optional)			
		Summary	Hostname* Port*	Ø	Username	Ø
		Results				
			Password (1) (2) (2)	₽		
			+ HyperFlex Storage Network 🔗			
		Save & Close			Previo	ous

Configurazione cluster - Rete di archiviazione Hyperflex

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		Q 🗷 5 🔺 11 🕑	Q, ② Ø Avinash Shukla
<u>00o</u>	Dashboards				
8		General	+ vCenter (optional)		hx-2-vcenter-config-policy
\$	HyperFlex Clusters		+ Storage Configuration (optional)		hx-2-cluster-storage-policy
	Fabric Interconnects	Oluster Configuration	+ Auto Support (optional) 🔗		hx-2-auto-support-policy
តិ	Service Profiles		+ IP & Hostname 🔗		hx-2-node-config-policy
ſ	Policies	 Nodes Assignment 	+ UCS Manager Configuration		hx-2-ucsm-config-policy
•	Devices	 Nodes Configuration 	+ Network Configuration	•	hx-2-cluster-network-policy
			+ External FC Storage (optional)		
		Summary	+ External iSCSI Storage (optional)		
			+ Proxy Setting (optional)		hx-2-proxy-setting-policy
		Results	— HyperFlex Storage Network 🛆		
			Storage Network VLAN Name * Sto HX-StorageDataNetwork 1 0 5	orage Network VLAN ID * 20	
					Previous Next

Passaggio 10. Selezionare i server come parte di Assegnazione nodo.

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		Q 🛛 5 🔺 11 🕞	Q, 🔇 🔿 Avinash Shukla
000	Dashboards				
8	Servers	General	Cisco HyperFlex Fabric Interconnect cluster allows a n	ninimum of 3 to a maximum of 32 nodes.	
\$	HyperFlex Clusters		Assign Nodes Assign Nodes Later		
무	Fabric Interconnects	 Cluster Configuration 	Show selected(3) Select the ser	vers	
õ	Service Profiles	Nodes Assignment			
ſ	Policies		Q Search	4 items found 10 v pe	rpage K C 1 of 1 🗵 🛛 🔅
ø		Nodes Configuration	Name Assign Str	atus Model	
			hx-2-ucsm-2 Not Assign Not Assign	ned HX240C-M4SX	
		Summary	hx-2-ucsm-4 Not Assign Not Assign	ned HX240C-M4SX	
		Results	hx-2-ucsm-3 Not Assig	ned HX240C-M4SX	
			hx-2-ucsm-1 Not Assig	HX240C-M4SX	
			Selected 3 of 4 Show Selected Unselect All		
					Previous

Passaggio 11. Configurare e confermare l'indirizzo IP dell'hypervisor e del controller di storage per la **configurazione del nodo**,

=	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)			Q 🖬 5 🔺 11	₿ d	•	0	Avinash Shukla
<u>00o</u>	Dashboards								
	Servers	General	IP & Hostname Settings						
\$	HyperFlex Clusters		Hostname Prefix hx-2-esxi	Management Subnet Mask	255.255.255.0	Managemen Gateway	t Network		
₽	Fabric Interconnects	 Cluster Configuration 	Management Network 172. Starting IP	Management Network Ending IP	172.	Controller VM Mask	I Subnet	255.255.255	0
â	Service Profiles	Nodes Assignment	Controller VM Gateway 172	Controller VM Starting IP	172.	Controller VN	I Ending IP		
1	Policies	Notes Assignment							
ø	Devices	Nodes Configuration	Above shown IP & Hostname sett	ings were used for nodes configuration aut	o-complete. You can char	nge configuratio	n manually.		
		Summary	Cluster Management IP Address * 172 172 1	MAC Prefix Address * 2 00:25:85:AA 2	₽				
		Results							
		Save & Close					Previous		Next

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		11 🗖 5 🗖 1	₽ 4 ⊕ (Avinash Shukla
<u>00o</u>	Dashboards		172. 00.25.B5:AA			
8	Servers	General	Nodes (4) Collapse All			
\$	HyperFlex Clusters		F01100011/01/0			
₽	Fabric Interconnects	Cluster Configuration	- FCH2024VUNG			
ß	Service Profiles	Nodes Assignment	Hostname * Hyp hx-2-esxi-1 © 172	ervisor IP *	Storage Controller IP * 172.1	٥
Ø	Policies					
ø	Devices	Nodes Configuration	- FCH2045V1B0			
		 Summary 	Hostname * Hyp hx-2-esxi-2 © 17:	ervisor IP * 2.	Storage Controller IP * 172.1	٥
		Results				
			- FCH2024V0MN			
			Hostname * Hyp hv:2-aevi-2 0 17	vervisor IP *	Storage Controller IP *	
					172.	
		Save & Close			Previous	Next

Passaggio 12. Fare clic su **Convalida e distribuzione** e verificare lo stato di avanzamento e attendere il completamento dell'installazione.

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)				Q 🛛 5 🔺 11 🛛	ି ବ୍ ତ	② Avinash Shukla ,
<u>00o</u>	Dashboards						Churter Pro	file LIV-2 was
8		• General	General				Updated.	Close
\$	HyperFlex Clusters		HyperFlex Cluster Name	HX-2	Assigned Nodes		Replication	3
Ŧ	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
õ	Service Profiles	Nodes Assignment						
1	Policies							
ø	Devices	 Nodes Configuration 	Cluster Configuration Nodes	Configuration	Errors / Warnings			
		0	Security				root	
		 summary 			The hypervisor or default password		Yes	
		Results						
			DNS, NTP and Timezone				America/Vancouver	
							172	
		Save & Close				Previous	Validate	Validate & Deploy

Passaggio 13. Controllare lo stato di avanzamento e attendere il completamento dell'installazione.

General Cluster Configuration	HyperFlex Cluster Name Progress Current Stage	HX-2 67% Cluster deployment	HyperFle Type Start Tin	ex Cluster		FI Mar 9, 2019 9:04 AM		Assigned Nodes Duration	-	4 17m 17s	
 Nodes Assignment 	Expand All			≓ AII	(434)	In Progress (4)	Success	(428)	Failed (0)	Warnin	g (2)
 Nodes Configuration 	— HyperFlex Cluster H	1 X-2 ⊘		Witne	ess Nod	e IP Reachability Cheo	:k				
 Summary 	Witness Node	P Reachability Check									
	Ø DNS reachabi	lity									
le Results	NTP reachabi	lity									
	Controllers no	ot in existing cluster check									
	vCenter Rever	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 Start Time	FI Mar 9, 2019 9:04 AM	Assigned Nodes Duration	4 1h 1m 9s
 Nodes Assignment 	Current Stage	→			
 Nodes Configuration 	Expand All	All (560) In Progress (U) - summary: e60b7bbb-f86f	Success (558) Failed	(0) Warning (2)
Summary	+ UCS-hx-2-ucsm ⊘	 Configurin 	g static ip on the specified	d ESXi servers	
 Results 	+ rack-unit-1 hx-2-esxi-4 (172.16.67.140) ⊘	Host data	subnet check		
	+ rack-unit-2 hx-2-esxi-1 (172.16.67.137) 🛆	Host data	subnet check		
	+ rack-unit-3 hx-2-esxi-3 (172.16.67.139) ⊘	Host data	subnet check		
	+ rack-unit-4 hx-2-esxi-2 (172.16.67.138) 🛆	Host data	subnet check		ОК

Passaggio 14. Verificare che il cluster sia ONLINE e integro ed ESEGUIRE lo script post_install.py.

- SSH all'indirizzo IP di gestione del cluster e accedere utilizzando il nome utente <root> (HX 4.0 e versioni successive) o <admin> (HX 4.5 e versioni successive) e la password della VM del controller fornita durante l'installazione.
- Incollare il comando seguente nella shell e premere Invio: hx_post_install

Verifica

Passaggio 1. Controllare lo stato del profilo di servizio in Profili di servizio.

≡	cisco Intersight	Service Profiles	1		Q 🖬 43 ,	🛆 12 🛛 🖓	@ 0	Avinash Sh	ukla 🔬			
<u>00o</u>	Dashboards	🔲 New featur	New features have recently been added! Learn More									
88		HyperFlex Clust	HyperFlex Cluster Profiles Server Profiles 🗅 Create HyperFlex Cluster Profile									
8	HyperFlex Clusters											
₽	Fabric Interconnects		Q Search		🕒 Export 1 it	G Export 1 items found 10 ∨ per page K 1 of 1 >> I						
രീ	Service Profiles	Nam		Type ÷	Nodes	Status		Last Update				
e e	Policies					ок		Mar 9, 2019 10:05 Al	м			
6	Devices		± 1 of1 2 3									
49	Devices											

Passaggio 2. In Cluster Hyperflex, confermare lo stato del cluster HX e altri dettagli

≡	cisco Intersight	HyperFlex Clusters						🗘 🖪 39 🖌	12	1	۹ ۵	0	Avinash Sł	hukla 🖉	
<u>o0o</u>	Dashboards	🔲 Ne	w features h	ave recentl	y been added! Learn M	lore									×
8	Servers	🧷 Q, Search							C Export 1 items found 11 v per page K < 1 of 1 2 2 6						
\$	HyperFlex Clusters		Name	÷	Health 🗘	Туре 🗘	HyperFlex 🕴	Hypervisor 💲	Storage Capacity	Storage Util	ization	Storage Optimiz	Serve	r Nodes	
Ŧ	Fabric Interconnects				Healthy	HyperFlex Hybrid	3.5(2a)	VMware vSphe	20.1		1.0%				
6	Service Profiles														
1															
Ŷ															

Passaggio 3. Fare clic sul **nome** HX-2 e selezionare i dettagli del profilo, verificare quanto segue in **Dettagli**,

- Indirizzo IP gestione cluster
- ID VLAN di archiviazione
- Fattore di replica
- Tipo di cluster

Verificare i vari criteri e i dettagli dei nodi in Configurazione,

≡	cisco Intersight	HyperFlex Clusters > HX-2		🗘 🖪 39 🔺 12	₽ a	. ©	0	Avinash Shukla 🗕
<u>00o</u>	Dashboards	New features have recently been added! Learn N	tore					×
8	Servers	General Profile						
8	HyperFlex Clusters	Details	Configuration					
₽	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-loca	-credential-policy 🗐
Ŷ		Last Update Mar 9, 2019 10:05 AM	vCenter				hx-2-vce	nter-config-policy 🗐
		Assigned Nodes 4 Cluster Type Cisco HyperFlex with Fabric	Proxy Setting				hx-2-pr	oxy-setting-policy 🗐
		HyperFlex Data Platform Version 3.5(2a)	UCS Manager Configuration				hx-2-u	csm-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-clus	ter-storage-policy í
		Storage Network VLAN Name StorageDataN MAC Prefix Address 00:25:85:AA	DNS, NTP and Timezone				hx-2	sys-config-policy 🗐

Passaggio 4. Avvio incrociato di Hyperflex Connect dai cluster Hyperflex su Intersight e verifica lo stato del cluster da Hyperflex Connect.

≡	cisco Intersight	HyperFlex Clusters								12	٩	۲	Ø Avinash S	ihukla 🖉
<u>00o</u>	Dashboards	III Ne	New features have recently been added! Learn More											×
8	Servers		Q_ Search 다 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												Ľ		
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				

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