Cisco Intersight - HyperFlex-installatie, configuratie en implementatie op VMware ESXi

Inhoud

Inleiding Voorwaarden Vereisten Ondersteunde versies voor HX FI-attach clusterimplementaties Intersight-connectiviteit Andere vereisten Gebruikte componenten Configureren Netwerkdiagram Configuratiestappen Verifiëren

Inleiding

Cisco Intersight vereenvoudigt de werking van datacenters door systeembeheer als een service te leveren, waardoor de noodzaak om eilanden van infrastructuur voor on-premise-beheer te onderhouden wordt verminderd.

Cisco Intersight biedt een installatiewizard voor het installeren, configureren en implementeren van Cisco HyperFlex-clusters — HX Edge en Fl-aangesloten. De wizard maakt een preconfiguratiedefinitie van uw cluster, een HX Cluster Profile genaamd. Deze definitie is een logische weergave van de HX-knooppunten in uw HX-cluster en omvat-

- **Beveiliging**: referenties voor HyperFlex-cluster zoals controller-VM-wachtwoord, hypervisorgebruikersnaam en wachtwoord.
- Configuratie serververeisten, firmware, enz.
- · Connectiviteit— stroomopwaarts netwerk, virtueel netwerk, enz.

Dit document bevat de stappen en schermopname van hoe u met intersight FI-Attached Hyperflex-clusters kunt implementeren.

Voorwaarden

Vereisten

Ondersteunde versies voor HX FI-attach clusterimplementaties

Samengesteld

Versie/release

HX220C-M4S switch HXAF220C-M4S switch HX240C-M4SX switch

M4, M5-servers

HXAF240C-M4S switch HX220C-M5SX HXAF220C-M5SX switch HX240C-M5 SX switch HXAF240C-M5SX switch

Apparaatconnector

Automatische upgrade door Cisco Intersight

Intersight-connectiviteit

Overweeg de volgende voorwaarden met betrekking tot intersight-connectiviteit -

- Zorg ervoor dat de **apparaatconnector** op de corresponderende UCS Manager-instantie correct is geconfigureerd om verbinding te maken met **Cisco Intersight** en wordt geclaimd.
- Alle apparaatconnectors moeten **svc.ucs-connect.com** correct oplossen en uitgaande geïnitieerde HTTPS-verbindingen op poort 443 toestaan.
- Hyperflex Installer versie tot 3.5(2a) ondersteunt het gebruik van een HTTP proxy, behalve wanneer het cluster opnieuw wordt ingezet en niet nieuw is vanuit de fabriek.
- Alle controller-VM-beheerinterfaces moeten download.intersight.com correct oplossen en uitgaande geïnitieerde HTTPS-verbindingen op poort 443 toestaan. De huidige versie van HX Installer ondersteunt het gebruik van een HTTP-proxy als directe internetconnectiviteit niet beschikbaar is, behalve wanneer de cluster opnieuw wordt ingezet en niet nieuw is vanuit de fabriek.
- De beoogde ESX-server, het HX-controllernetwerk en de vCenter-host moeten toegankelijk zijn via UCS Fabric Interconnect-beheerinterfaces.
- Vanaf HXDP release 3.5(2a) is het voor het installeren van Intersight niet nodig dat een in de fabriek geïnstalleerde controller-VM aanwezig is op de HyperFlex-servers. Deze eis blijft echter van toepassing als de verbinding met Intersight via een HTTP-proxy verloopt. Alle NIEUWE HX-servers kunnen as-is worden geïmplementeerd met een HTTP-proxy.

Andere vereisten

Softwarevereisten Fysieke vereisten

Netwerkvereisten

Poortvereisten

Implementatieinformatie

Gebruikte componenten

- Cisco-onderschepping
- Cisco UCSM
- Cisco HX-servers
- Cisco HyperFlex HX
- ESXi van VMware

VMware vCenter

Configureren

Netwerkdiagram

• Cisco Intersight biedt een eenvoudige manier om HyperFlex Clusters te implementeren door de HyperFlex Installer in alle edities van Cisco Intersight op te nemen.



Configuratiestappen

Stap 1. Meld u aan bij Cisco Intersight en selecteer de gebruikersaccount zoals hieronder wordt getoond-



Stap 2. Klik in het dashboard op het tabblad Apparaten in het rechter deelvenster.



Stap 3. Klik onder Apparaten op Een nieuw apparaat claimen

☆

=	cisco Intersight	Device	s					🗘 🖬 12	A 11 🛛 🖸			O Avinast	n Shukla 요
<u>00o</u>	Dashboards	🔲 Ne	w feature:	s have recently been ad	ded! Learn More								×
												Claim a Ne	ew Device
\$	HyperFlex Clusters												
모	Fabric Interconnects			Search Hyperflex ×	Search				0 items found	<u>10 ~</u> p	er page [K < 0 of 0 > >	
6	Service Profiles		Name		Status 🗘	Туре	Device IP		Device ID			Claimed By	
1	Policies												
Ŷ	Devices												
												K < 0 of	

Stap 4. Meld u aan bij UCS Manager en blader naar Beheer -> Apparaatconnector. Klik op Instellingen om Toegangsmodus en Proxyconfiguratie te configureren

æ	All 👻	All / Device Connector			
	* HILDINGI LANK				
-	LAN Cloud				
	SAN Cloud			_	
ठठ	► root 🙆	Intersight Management	Settings	×	
_	Time Zone Management				
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-	Blade Servers	When this option is enabled, you can c this system and leverage the capabilit	Access Mode		
=	CPUs	of Cisco Intersight.	Read-only		8 B
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	 SAN Cloud root Time Zone Management Capability Catalog Adapters Blade Servers CPUs Chassis Coprocessor Cards Crypto Cards Fan Modules GPU Cards IO Modules Local Disks 	Intersight Management Entitled When this option is enabled, you can be of Claco Intersight. If disabled, no communication will be allowed to Claco Intersight.	Settings General HTTPS Proxy Proxy Hostname/IP *	X Proxy Configuration Certificate Manager Enabled Proxy Port * 8080	SSI201001PJ C
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	 SAN Cloud root Time Zone Management Capability Catalog Adapters Blade Servers CPUS Chassis Coprocessor Cards Crypto Cards GPU Cards GPU Cards Local Disks Memory Units Mini Storage PSUS Rack-Mount Servers Stroage Controllers 	Intersight Management Enabled When this option is enabled, you can of this system and leverage the capability of Claco Intersight. If disability, no communication will be allowed to Claco Intersight.	Settings General Proxy Hostname/IP *	Proxy Configuration Certificate Manager Image:	SSI201001PJ B B
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Stap 5. Blader in UCS Manager naar Beheer -> Apparaatconnector. Schakel knop Intersight Management in en krijg de apparaat-ID en de claimcode.



Stap 6. Gebruik op de Intersight-account de **Claim Code** en **Device ID** (vastgelegd in stap 5) om het apparaat te claimen. Nu wordt het domein van UCSM geclaimd.

=	cisco Intersight	Device Claim	ζ	💭 🖪 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								
Ŷ	Devices		Claim A New Device To claim your device, you must have the Device ID and Claim Device ID * SSI Claim Code * Required Cancel	Ctaim					

Stap 7. Controleer onder Apparaten om te bevestigen dat het nieuwe domein **"Verbonden"** en **"Gevraagd"** toont. Controleer ook of u nu de optie hebt om UCSM UI en UCSM CLI vanaf Intersight te starten.

<u>00o</u>	Dashboards													Cla	im a New D	evice
8	E Servers															
¢	HyperFlex Clusters	Clusters Clusters Clusters Clusters					K C 2 of 2									
	Fabric Interconnects			Name		Status 🗘	Ту	ype ÷	De	vice IP	Device ID			Claimed By		
6	Service Profiles					Connected	UC	ICS Domain			ss	1PJ		rainikingeiaeere	um	
	Policies	Û												K C _	Launch U	CSM
Ŷ	Devices														Launch C	u

Stap 8. Klik onder Serviceprofielen op HyperFlex Cluster Profile maken

<u>00o</u>		Hype	rFlex	Rex Cluster Profiles & Server Profiles &							Create Hyp	rFlex Cluste	rofile		
\$	HyperFlex Clusters				Search								erpage 📧 🔇 0		
₽	Fabric Interconnects								Nodes		Status		Last Update		
â	Service Profiles														
íi	Policies														
Ø				🧷 Selec	ted 1 of 0									C 0 of 0	

Stap 9. Configureer het serviceprofiel met de onderstaande stappen.

Algemene taken

=	cisco Intersight	Create HyperFlex Cluster Profile		Ļ	2 🖬 5 🔺 11				Avinash Shukla
2 H & H	Dashboards Servers HyperFlex Clusters Fabric Interconnects Service Profiles	General Cluster Configuration Nodes Assignment	Prior to creating a HyperFlex Cluster profile, ensure that installation instructions, here Name * HX-2 HyperFlex Data Platform Version 3.5(2a)	you go through the pre- 1 2	nstallation checklist	and the de	tailed Hyperi		
1 6	Policies	Nodes Configuration							
Ť		Summary	Cisco HyperFlex Edge Cisco HyperFlex with Fabric Replication Factor C 4 C 2 3	interconnect 3					
		Results	Description HX-2 5						
			Add Tag					_	_
		Cancel							Next

Clusterconfiguratie - Beveiliging

≡	cisco Intersight	Create HyperFlex Cluster Profile	Q 🖪 S 🔺 11 🕑 🧠 🤤	② Avinash Shukla
<u>00o</u>	Dashboards			
8	Servers	General	- Security 🛆	
\$	HyperFlex Clusters		Hunanvisor Admin *	
무		Cluster Configuration	root 1	
බ්	Service Profiles	Nodes Assignment		
1	Policies		The hypervisor on this node uses the factory default password	
ø	Devices	 Nodes Configuration 	Hypervisor Password * Hypervisor Password Confirmation *	© 0 2
		Summary Results	Controller VM Admin Password * Controller VM Admin Password Confirmation *	<u>⊕ 0</u> 3
			+ DNS, NTP and Timezone	
			+ vCenter (optional)	
			+ Storage Configuration (optional)	
			+ Auto Support (optional)	

Clusterconfiguratie - DNS, NTP en tijdzone

≡	cisco Intersight	Create HyperFlex Cluster Profile	Q 🖬 s 🔺 11 🕑 Q, 🧔	⑦ Avin	ash Shukla
000	Dashboards				
=		General	+ Security 🖉 hx2	local-credential-policy	1
\$	HyperFlex Clusters		— DNS, NTP and Timezone 🛆		
무	Fabric Interconnects	Cluster Configuration	Timezone * DNS Suffix		
6	Service Profiles	 Nodes Assignment 	America/Vancouver 1 v © sjs.local	<mark>2</mark> o	
1	Policies		DUS Company t		
Ø		 Nodes Configuration 	172.1111 3 0 1 172.1111	<u>4</u> ∘ +	
		Summary	- DNS Servers * @ + \$		
		Results	+ vCenter (optional)		
			+ Storage Configuration (optional)		
			+ Auto Support (optional)		
			+ IP & Hostname		

Clusterconfiguratie - vCenter-configuratie

≡	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)		

Opmerking: - Voor vCenter Configuration is het raadzaam de vCenter Single-Sign-On Server over te slaan. Kijk onder documentpagina 27,

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

Clusterconfiguratie - Opslagconfiguratie

≡	cisco Intersight	Create HyperFlex Cluster Profile	다 🖬 5 🛦 11 🕑 🔍 😨 🔿 Avinash Shui	da
<u>olo</u>	Dashboards		т авмину 🔾 началивания простояти со началивания на селото со селото селото со селото со селото со селото со селото с	
8		General	+ DNS, NTP and Timezone 🖉 hx-2-sys-config-policy 🏢	
\$	HyperFlex Clusters		+ vCenter (optional)	
무	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 FI.	
1				
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)	U
			+ Proxy Setting (optional)	
		Save & Close	Previous	

Clusterconfiguratie - automatische ondersteuning

≡	cisco Intersight	Create HyperFlex Cluster Profile		Q 🖪 5 🔺 11 🕑 🔍 🕲 💿	Avinash Shukla
<u>00o</u>	Dashboards				
88		• General	+ Security ⊘	hx-2-local-credential-po	olicy 🗐
\$	HyperFlex Clusters		+ DNS, NTP and Timezone	hx-2-sys-config-p	olicy 📋
₽	Fabric Interconnects	Cluster Configuration	+ vCenter (optional)	hx-2-vcenter-config-p	olicy 🗐
â	Service Profiles		+ Storage Configuration (optional)	hx-2-cluster-storage p	olicy 📋
£	Policies	 Nodes Assignment 	— Auto Support (optional)		
Ŷ	Devices	 Nodes Configuration 	1 ▲uto-Support ③ Send Ser	rice Ticket Notification to	
		 Summary 	[+] IP & Hostname		
		Results	+ UCS Manager Configuration		
			+ Network Configuration		
			+ External FC Storage (optional)		
			+ External iSCSI Storage (optional)		
		Save & Close			

Clusterconfiguratie - IP en hostnaam

=	cisco Intersight	Create HyperFlex Cluster Profile		🗘 🗖 5 🛦 11 🖸 🤤 🧿 🕥 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 *	
õ	Service Profiles	Modee Assignment	hx-2-esxi	
6	Policies	 Houes Assignment 	Management Network Starting IP *	Management Network Ending IP *
ø		 Nodes Configuration 	172.1000	172.1446666 ©
		 Summary 	Management Network Subnet Mask * 3 o	Management Network Gateway* <u>172.1000000</u>
		Results	Controller VM Management Network Starting IP 172. 5 0	Controller VM Management Network Ending IP 6 0
			Controller VM Management Network Subnet Mask 7 0	Controller VM Management Network Gateway 172.1 0
		Save & Close		Previous

Clusterconfiguratie - UCS M-configuratie

≡	دىغەن Intersight	Edit HyperFlex Cluster Profile (HX-2)			Q 🛛 5 🔺 11	ۍ م	0	O Avi	nash Shukla
<u>00o</u>	Dashboards		()						
8		General	+ IP & Hostname				ſ	1x-2-node-config-polic	
\$	HyperFlex Clusters		— UUS Manager Configuration 🕰						
무	Fabric Interconnects	Cluster Configuration	Server Firmware Version * 4.0(1c)						
6	Service Profiles	 Nodes Assignment 							
1			MAC Prefix Starting Address * 00:25:85:AA 2		MAC Prefix Ending Addre 00:25:B5:AA	ss *			
ø	Devices	Nodes Configuration							
		Summary	KVM Starting IP * 4		KVM Ending IP * 172.			C	
		Results	KVM Subnet Mask * 255.255.255.0 6	0	KVM Gateway * 172. Required			C	
			+ Network Configuration						
			+ External FC Storage (optional)						

Clusterconfiguratie - Netwerk

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		۵ ۵	5 🔺 11	ß	٩	0	0	Avinash	Shukla
<u>00o</u>	Dashboards		+ IP's Hostname 🕑					nx-2-n	ode-contig-p	olicy [
8	Servers	General	+ UCS Manager Configuration					hx-2-uc	sm-config-p	olicy f	
\$	HyperFlex Clusters		- Network Configuration								
무	Fabric Interconnects	Cluster Configuration	Management Network VLAN Name *	Mänag	ement Network	VLAN ID *					
ã	Service Profiles	 Nodes Assignment 	HX-MGMT	© 67				2		0	Ĩ
۵	Policies		VM Migration VLAN Name *	VM Mig	gration VLAN ID						
Ŷ	Devices	Nodes Configuration	нх-умотіон 3	<u> </u>						0	
		 Summary 	VM Network VLAN Name * HX-VMNETWORK 5	VM Netwo	ork VLAN ID *				0		
		Results	● Jumbo Frames ② 7								
			+ External FC Storage (optional)								
			+ External ISCSI Storage (optional)								8
			+ Proxy Setting (optional)		R)						
		Save & Close				(Previou	15		lext	

Clusterconfiguratie - Externe opslag (optioneel)

Indien ingeschakeld: vul de VSAN-naam en VSAN-id in voor respectievelijk FI A en FI B.

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		다. 🖸 5 🔺 11 🖂 🔍 😨 🕥 Avinash Shukla
<u>00o</u>	Dashboards		+ Storage Configuration (optional)	hx-2-cluster-storage-policy 🗐
		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 O	nfiguration
		 Summary 	VSAN A Name *	VSAN A ID * O
		Results		
			VSAN B Name * O	VSAN B ID * O
			WWxN Range Starting Address * 20:00:00:25:85: O	WWxN Range Ending Address * 20:00:00:25:85: 0
		Save & Close		Previous

Clusterconfiguratie - Proxy-instelling (optioneel)

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		Q 🖬 5 🔺 11	₽ 4	O Avinash Shukla
<u>00o</u>	Dashboards					
8	Servers	• General	+ Auto Support (optional)			hx-2-auto-support-policy
\$	HyperFlex Clusters		+ IP & Hostname 🧭			hx-2-node-config-policy
모	Fabric Interconnects	Cluster Configuration	+ UCS Manager Configuration			hx-2-ucsm-config-policy
8	Service Profiles		+ Network Configuration 🔗			hx-2-cluster-network-policy
6	Doliniae	 Nodes Assignment 	+ External FC Storage (optional)			
			+ External iSCSI Storage (optional)			
Ŵ	Devices	 Nodes Configuration 	- Proxy Setting (optional)			
		 Summary 	Hostname * Port *			
			1000 000 000 000 000 8080	0	Username	0
		Results				
			Password O	4		
			+ HyperFlex Storage Network 🔗			
		Save & Close			Previo	puis

Clusterconfiguratie - HyperFlex Storage Network

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		🗘 🔳 5 🔺 11	ß	Q,	0	0	Avinash Shukla
<u>00o</u>	Dashboards								
8		General	+ vCenter (optional)				hx-2-vcer	nter-config-p	olicy 🗐
\$	HyperFlex Clusters		+ Storage Configuration (optional)				hx-2-clust	er-storage-p	olicy 🗐
Ŧ	Fabric Interconnects	Cluster Configuration	+ Auto Support (optional)				hx-2-au	to-support-p	oolicy 🗐
രീ	Service Profiles		+ IP & Hostname 🔗				hx-2-n	ode-config-p	olicy 🗐
ſ	Policies	 Nodes Assignment 	+ UCS Manager Configuration 🔗				hx-2-uc	sm-config-p	oolicy 📋
- 	Devices	 Nodes Configuration 	+ Network Configuration				hx-2-cluste	er-network-p	oolicy 📋
			+ External FC Storage (optional)						
		Summary	+ External iSCSI Storage (optional)						
			+ Proxy Setting (optional)				hx-2-pro	xy-setting-p	policy 🗐
		Results	— HyperFlex Storage Network 🛆						
			Storage Network VLAN Name * Stora HX-StorageDataNetwork 1 © 5	ige Network VLAN ID* 2 d	<u>»</u>				
									lext

Stap 10. Selecteer de servers als onderdeel van Node Assignment.

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		Q 🖬 s 🔺 1	1 🛛 🖓	0	Avinash Shukla
<u>00o</u>	Dashboards						
8	Servers	General	Cisco HyperFlex Fabric Interconnect cluster a	illows a minimum 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	servers			
â	Service Profiles	Nodes Assignment					
۵	Policies		Q Search	4 items found	10 v per page		
Ŷ		 Nodes Configuration 		ssign Status Model			
			hx-2-ucsm-2	lot Assigned HX240C-M	4SX		
		 Summary 	hx-2-ucsm-4 N	lot Assigned HX240C-M	4SX		
		Results	hx-2-ucsm-3 N	lot Assigned HX240C-M	4SX		
			hx-2-ucsm-1	lot Assigned HX240C-M	4SX		
			Selected 3 of 4 Show Selected Unselect				
		Save & Close			Pre	vious	Vext

Stap 11. Het IP-adres van Hypervisor IP en Storage Controller configureren en bevestigen voor de **configuratie van het knooppunt**,

=	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)				🗘 🖬 5 🔺 11					Avinash Shukla
<u>01o</u>	Dashboards										
	Servers	General	IP & Hostname Setting:	5							
\$	HyperFlex Clusters		Hostname Prefix	hx-2-esxi	Management Subnet Mask	255.255.255.0	Manag Gatewi	ement Netw ay	ark		
₽	Fabric Interconnects	 Cluster Configuration 	Management Network Starting IP		Management Network Ending IP	172.	Contro Mask	ller VM Subr	et	255.255.255	
â	Service Profiles		Controller VM Gateway		Controller VM Starting IP	172.	Contro	ller VM Endi	ng IP		
1	Policies	 Nodes Assignment 									
ø	Devices	Nodes Configuration	Above shown IP & He	ostname settings w	vere used for nodes configuration auto	o-complete. You can cha	nge config	uration man	ually.		
		 Summary Results 	Cluster Management IP Ad 172. Nodes (4) Expand +		MAC Prefix Address * 2 00:25:85:AA 2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
		Save & Close						Previ	ous		Next

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)			Q 🖬 5 🔺 11	⊡ < ©	Avinash Shukla
<u>00o</u>	Dashboards		172.	00:25:85:AA			
8	Servers	General	Nodes (4) E Collapse All				
\$	HyperFlex Clusters						
₽	Fabric Interconnects	 Cluster Configuration 	- FCH2024YUNG				
6	Service Profiles	Nodes Assignment	Hostname * hx-2-esxi-1	Hypervisor IP *		Storage Controller IP * 172.1	٥
æ	Policies						
ø	Devices	Nodes Configuration	- FCH2045V1BO				
		 Summary 	Hostname * hx-2-esxi-2	Hypervisor IP *		Storage Controller IP * 172.1	
		Results	k				
			- FCH2024V0MN				
			Hostname *	Hypervisor IP *		Storage Controller IP *	
			nx-2-esxi-3			172.1	
		Save & Close				Previous	Next

Stap 12. Klik op **Valideren en implementeren** en controleer de voortgangsstatus en wacht tot de installatie is voltooid.

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)				Q 🖬 5 🔺 11 🖂	♀ ⊚	Avinash Shukla ,
<u>00o</u>	Dashboards						Chuster Droff	
8		• 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	3.5(2a)	Address	172.	Address	UU:25.85.AA
õ	Service Profiles	Nodes Assignment						
1	Policies							
ø	Devices	 Nodes Configuration 	Cluster Configuration Nod	es Configuration	Errors / Warnings			
		Summary	Security		Hypervisor Admir The hypervisor or default password		root Yes	
		Results	DNS, NTP and Timezone				America/Vancouver	
			hx-2-sys-config-policy				172.000, 172.000	
		Save & Close				Previous	Validate	Validate & Deploy

Stap 13. Controleer de voortgangsstatus en wacht tot de installatie is voltooid.

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	HyperFlex Cluster Type Start Time	Fl Mar 9, 2019 9:04 AM	Assigned Nodes Duration	4 1h 1m 9s
 Nodes Assignment 		→		Ourseen (EEO) Failed	(0) Warriag (0)
 Nodes Configuration) III Plogless (0)		(0) wanning (2)
 Summary 	+ Hypernex Guster Hx-2 + UCS - hx-2-ucsm	Configurin	ng static ip on the specifie	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

Stap 14. Controleer of het cluster ONLINE en GEZOND is en open het script post_install.py.

- SSH naar het IP-adres voor clusterbeheer en aanmelding met de gebruikersnaam voor <root> (HX 4.0 en hoger) of het wachtwoord voor de controller van de VM dat tijdens de installatie is opgegeven.
- Plakt het volgende commando in de Shell, en hit enter: hx_post_install

Verifiëren

Stap 1. Controleer de status van het serviceprofiel onder Serviceprofielen.

≡	cisco Intersight	Service	Profiles				🗘 🖪 43 🔺 12	₽ ¢	۲	O Avinash S	shukla 🔬
<u>00o</u>	Dashboards	🔲 Ne	w features have	recently been added! Lea	rn More						×
88		HyperF	lex Cluster Profil	es Server Profiles ⊕					Cre	ate HyperFlex Cluster	Profile
-	HyperFlex Clusters	_		_							
Ŧ	Fabric Interconnects			Search			oport 1 items found	<u>10 ~</u>	perpage 🔣 <		
മ	Service Profiles		Name		Туре	Nodes	Status		Last Update		
6							ок		Mar 9, 2019 10	:05 AM	
	Policies										
Ŷ	Devices										

Stap 2. Bevestig onder Hyperflex Cluster de HX-cluster Health en andere gegevens.

≡	cisco Intersight	HyperFlex Clusters							Q 🛛 39 .	▲ 12	2	۹ 🛛	O Avinash	Shukla 🕰
<u>00o</u>	Dashboards	New features have recently been added! Learn More												×
8	Servers	⊘ Q Search G Export										∽ perpage 📧 🖸		۲
\$	HyperFlex Clusters		Name		Health ¢	Type 💠	HyperFlex +	Hypervisor 💠	Storage Capacity	Storage U	tilization	Storage Optimiz.	Server Nodes	
₽	Fabric Interconnects				Healthy	HyperFlex Hybrid	3.5(2a)	VMware vSphe	20.1		1.0%	0%		
6	Service Profiles												[[] [] 1 of 1	
1														
Ŷ														

Stap 3. Klik op de **naam** HX-2 en blader naar de profielgegevens, verifieer het volgende onder **Details**,

- IP-adres voor clusterbeheer
- VLAN-id voor opslag
- replicatiefactor
- Clustertype

Controleer de verschillende beleidsregels en nodegegevens onder Configuration.

≡	cisco Intersight	HyperFlex Clusters > HX-2		📮 🖪 39 🔺 12	₽ ¢	۲	0	Avinash Shukla 🗕
<u>00o</u>	Dashboards	New features have recently been added! Learn N	Aore					×
	Servers	General Profile						
\$	HyperFlex Clusters	Details	Configuration					
무	Fabric Interconnects	Status Ok	Cluster Nodes Results					
6	Service Profiles	Name HX-2	Network Configuration				hx-2-cluste	er-network-policy 🍈
	Policies	Description HX-2	Security				hx-2-local	credential-policy 🗐
Ŷ	Devices	Last Update Mar 9, 2019 10:05 AM	vCenter				hx-2-vcer	nter-config-policy 🗐
		Assigned Nodes 4 Cluster Type Cisco HyperFlex with Fabric	Proxy Setting				hx-2-pro	xy-setting-policy 🗐
		HyperFlex Data Platform Version 3.5(2a)	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 MAC Prefix Address 00:25:85:AA	DNS, NTP and Timezone				hx-2-	sys-config-policy 🍈

Stap 4. Kruis Hyperflex Connect van Hyperflex Clusters op Intersight en controleer de clusterstatus van Hyperflex Connect.

≡	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													
\$	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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