Cisco Intersight - Instalação, configuração e implantação do Hyperflex no VMware ESXi

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Introduction

A Cisco Intersight simplifica as operações do data center fornecendo gerenciamento de sistemas como um serviço, diminuindo a necessidade de manter ilhas de infraestrutura de gerenciamento no local.

A Cisco Intersight oferece um assistente de instalação para instalar, configurar e implantar clusters Cisco HyperFlex — HX Edge e FI-attached. O assistente constrói uma definição de préconfiguração do cluster chamada Perfil de Cluster HX. Essa definição é uma representação lógica dos nós HX no cluster HX e inclui-

- Segurança credenciais para o cluster HyperFlex, como senha da VM do controlador, nome de usuário do hipervisor e senha.
- Configuração requisitos do servidor, firmware, etc.
- Conectividade rede upstream, rede virtual etc.

Este documento fornece as etapas e a captura de tela de como implantar clusters Hyperflex conectados por FI usando o intersight.

Prerequisites

Requirements

Versões com suporte para implantações de cluster HX FI-attached

Componente

Versão/versão

HX220C-M4S HXAF220C-M4S HX240C-M4SX

Servidores M4, M5

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

Conector de dispositivos

Atualizado automaticamente pela Cisco Intersight

Conectividade da Intersight

Considere os seguintes pré-requisitos relativos à conectividade da Intersight-

- Verifique se o **conector do dispositivo** na instância do UCS Manager correspondente está configurado corretamente para se conectar ao **Cisco Intersight** e reivindicado.
- Todos os conectores de dispositivo devem resolver corretamente **svc.ucs-connect.com** e permitir conexões HTTPS iniciadas de saída na porta 443.
- A versão do Hyperflex Installer até a 3.5(2a) oferece suporte ao uso de um proxy HTTP, exceto quando o cluster é reimplantado e não é novo na fábrica.
- Todas as interfaces de gerenciamento de VM do controlador devem resolver corretamente download.intersight.com e permitir conexões HTTPS iniciadas de saída na porta 443. A versão atual do Instalador HX oferece suporte ao uso de um proxy HTTP se a conectividade direta com a Internet não estiver disponível, exceto quando o cluster for reimplantado e não for novo na fábrica.
- O servidor ESX pretendido, a rede do controlador HX e o host vCenter devem estar acessíveis através das interfaces de gerenciamento de interconexão de estrutura UCS.
- Começando com o HXDP versão 3.5(2a), o instalador da Intersight não exige que uma VM de controlador instalada de fábrica esteja presente nos servidores HyperFlex. No entanto, esse requisito ainda será aplicável se a conectividade com a Intersight for por meio de um proxy HTTP. Todos os servidores NEW HX podem ser implantados como estão com um proxy HTTP.

Outros requisitos

Requisitos de software Requisitos físicos

Requisitos de Rede

Requisitos de porta

Informações de implementação

Componentes Utilizados

- Entrevista da Cisco
- Cisco UCSM
- Servidores Cisco HX
- Cisco Hyperflex

• VMware ESXi

VMware vCenter

Configurar

Diagrama de Rede

• O Cisco Intersight oferece uma maneira fácil de implantar clusters HyperFlex incluindo o instalador HyperFlex em todas as edições do Cisco Intersight.



Configuration Steps

Etapa 1. Efetue login no Cisco Intersight e selecione a conta de usuário como mostrado abaixo-



Etapa 2. No painel, clique na guia Devices no painel direito.



Etapa 3. Em Dispositivos, clique em Solicitar um novo dispositivo

☆

≡	cisco Intersight	Device						Q 🛛 12	🔺 11 🛛 🖸			O Avinash Sł	hukla 🔬
<u>00o</u>	Dashboards	📰 Ne	w features	have recently been ad	ded! Learn More								×
												Claim a New I	Device
\$	HyperFlex Clusters												
모	Fabric Interconnects			Search Hyperflex ×	Search				0 items found	<u>10 ~</u> p	per page 🔣	[< 0 of 0 >)	
6	Service Profiles		Name		Status	Туре	Device IP		Device ID			Claimed By	
8	Policies												
Ŵ	Devices												
												K < 0 of 0	

Etapa 4. Faça login no UCS Manager, navegue até Admin -> Conector do dispositivo. Clique em Configurações para configurar Modo de acesso e Configuração do proxy

æ	All	All / Device Connector			
	 Internal conv 				
-	LAN Cloud				
	 SAN Cloud 			-	
ठठ	► root 🕚	Intersight Management	Settings	×	
=	Time Zone Management				
-	 Capability Catalog 	Enabled	General	Proxy Configuration Certificate Manager	
	Adapters		Access Made		SSI201001PJ LE
	Blade Servers	When this option is enabled, you can a this system and leverage the capability	Access mode		
	CPUs	of Cisco Intersight.	Read-only		5 B
	Chassis	If disabled, no communication will be	Allow Control		
	Coprocessor Cards	anowed to cisco intersigni.		1	
	Crypto Cards				
-0	Fan Modules				
	GPU Cards				
	IO Modules				
	Local Disks				
	Memory Units				
	Mini Storage				
	DSI le				
	Dack-Mount Springe			Cancel Ok	
	Rack-Mount Servers				
	Storage Controllers				
	License Management				
	Device Connector				
冊	All	All / Device Connector			
	· Internet Leav	The Davice Connector is an embedded manage			
	LAN Cloud				
	 SAN Cloud 				
55	► root 🙆		Settings	×	
=	 Time Zone Management 				
-	 Capability Catalog 	Enabled	General	Proxy Configuration Certificate Manager	SSI201001D1 B
	Adapters	When this online is enabled you	HTTPS Proxy	Enabled	03120100110
	Blade Servers	this system and leverage the capability	,		
	CPUs		Proxy Hostname/IP *	Proxy Port *	3 B
	Chassis			<u> </u>	
	Coprocessor Cards				
	Crypto Cards		Authentication		
70	Crypto Cards Fan Modules		Authentication		
1 0	Crypto Cards Fan Modules GPU Cards	Agent Version	Authentication		
-0	Crypto Cards Fan Modules GPU Cards IO Modules	Agent Venue	Authentication		
*0	Crypto Cards Fan Modules GPU Cards IO Modules Local Disks	Agent Venue	Authentication		
20	Crypto Cards Fan Modules GPU Cards IO Modules Local Disks Memory Units	Agent Venuer	Authentication		
20	Crypto Cards Fan Modules GPU Cards IO Modules Local Disks Memory Units Mini Storage	Agent Venuer	Authentication		
ło	Crypto Cards Fan Modules GPU Cards IO Modules Local Disks Memory Units Mini Storage PSUs	Agent Venuer	Authentication		
Jo	Crypto Cards Fan Modules GPU Cards IO Modules Local Disks Memory Units Mini Storage PSUs Rack-Mount Servers	Agent Venuer	Authentication	Cancel Ok	
ło	Crypto Cards Fan Modules GPU Cards IO Modules Local Disks Memory Units Mini Storage PSUs Rack-Mount Servers Storage Controllers	Agent Venuer	Authentication	Cancel Ok	
10	Crypto Cards Fan Modules GPU Cards IO Modules Local Disks Memory Units Mini Storage PSUs Rack-Mount Servers Storage Controllers	Agent Venue	Authentication	Cancel Ok	

Etapa 5. No UCS Manager, navegue até Admin -> Conector do dispositivo. Habilite o botão de alternância Intersight Management e obtenha a ID do dispositivo e o Código da reivindicação.



Etapa 6. Na conta da Intersight, use o **Código de solicitação** e o **ID do dispositivo** (capturado na etapa 5) para solicitar o dispositivo. Agora o domínio UCSM é reivindicado.

≡	cisco Intersight	Device Claim	٩	35 🔺 12	ß	Q,	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 O Device ID * SSI Claim Code * Required Cancel	Code.					

Etapa 7. Verifique em Dispositivos para confirmar se o novo domínio mostra **"Conectado"** e **"Declarado"**. Além disso, verifique se agora você tem a opção de executar cross launch UCSM UI e UCSM CLI da Intersight.

<u>00a</u>	Dashboards						Cla	aim a New De	evice
	Servers								
\$	HyperFlex Clusters	Q Search				13 items found 12 v per pag	e K K 2 of 2		
	Fabric Interconnects	Name 🗘	Status 🗢	Туре :	Device IP ÷	Device ID 🗢	Claimed By		
බ්	Service Profiles		Connected	UCS Domain		SS <mark>1PJ</mark> 1PJ			
	Policies						K C _	Launch U	CSM
Ŷ	Devices							Launch Cl	u

Etapa 8. Em Service Profiles, clique em Create Hyperflex Cluster Profile



Etapa 9. Configurar o Service Profile usando as etapas abaixo,

Tarefas gerais

=	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

Configuração do cluster - Segurança

≡	cisco Intersight	Create HyperFlex Cluster Profile		û 🖬 5 🔺 11 🖂 🔍 😳	O Avinash Shukla
<u>00o</u>	Dashboards				
8	Servers	General	— Security 🛆		
\$	HyperFlex Clusters				
₽		Cluster Configuration	root 1		
6	Service Profiles	Nodes Assignment			
1	Policies	Houes Assignment	The hypervisor on this node uses the factory default password		
ø	Devices	Nodes Configuration	Hypervisor Password *	Hypervisor Password Confirmation *	<u>a o</u> 2
		Summary	Controller VM Admin Password *	Controller VM Admin Password Confirmation *	<u>© 0</u> 3
		Results			
			+ DNS, NTP and Timezone		
			+ vCenter (optional)		
			+ Storage Configuration (optional)		
			+ Auto Support (optional)		

Configuração do cluster - DNS, NTP e fuso horário

≡	cisco Intersight	Create HyperFlex Cluster Profile		Q 🖬 5 🔺 11 🛛	۹ ۵	② Avina	ash Shukla
000	Dashboards						
=		• General + Security 🕑			hx-2-loca	l-credential-policy	
ŵ	HyperFlex Clusters	— DNS, NTP and Tim	izone 🛆				
무	Fabric Interconnects	Cluster Configuration Timezone *		DNS Suffix			
6	Service Profiles	Nodes Assignment America/Vancouv	r 1 ~	sjs.local		<mark>2 ⊙</mark>	
1	Policies						
ø		Nodes Configuration 172.	3 💿 🛍	172.		<mark>4</mark> ⊙ +	
		Summary DNS Servers * <u>172.1</u>	<u> </u>	- <i>B</i>			
		Results + vCenter (optional					
		+ Storage Configurat	on (optional)				
		+ Auto Support (opt	onal)				
		+ IP & Hostname					

Configuração do cluster - Configuração do vCenter

≡	cisco Intersight	Create HyperFlex Cluster Profile	Q	O Avinash Shukla
<u>00o</u>	Dashboards		+ Security 🖉 hx-2-lo	cal-credential-policy
8	Servers	General	+ DNS, NTP and Timezone 📀 http://www.com/analysis.com/analysis/com/analysis	e-2-sys-config-policy
\$	HyperFlex Clusters		— vCenter (optional)	
₽	Fabric Interconnects	Cluster Configuration	VCenter Server FQDN or IP * vCenter Username * vCenter Password *	
6	Service Profiles	 Nodes Assignment 	172. 172 administrator@vsphere.local 2 ©	3 @ @
a			vCenter Datacenter Name * VCenter Single-Sign-On Server	
Ŷ	Devices	 Nodes Configuration 	нх-2 <u>4 о (Optional) о</u>	
		Summary	+ Storage Configuration (optional)	
			+ Auto Support (optional)	
		• kesuits	+ IP & Hostname	
			+ UCS Manager Configuration	
			+ Network Configuration	
			+ External FC Storage (optional)	

Observação:- Para a configuração do vCenter, é recomendável ignorar o Servidor de Logon Único do vCenter. Verifique abaixo a página 27 do documento,

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

Configuração de Cluster - Configuração de Armazenamento

≡	cisco Intersight	Create HyperFlex Cluster Profile	다. 🖸 5 🔺 11 🕑 🔍 🛞 💿 Avinash S	ihukla
<u>00o</u>	Dashboards		T aevany 🗢 instructional approximation in the second seco	
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 HyperFier Clusters with 8 or more nodes connected to FI.	
١				
Ŵ	Devices	Nodes Configuration	UDI Optimization © UDI Optimization © 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	

Configuração de cluster - Suporte automático

≡	cisco Intersight	Create HyperFlex Cluster Profile	Q 🖬 5 🔺 11	P	Q,	۲	② Avia	hash Shukla
<u>00o</u>	Dashboards							
=		• General	+ Security \oslash			hx-2-local-c	redential-polic	
\$	HyperFlex Clusters		+ DNS, NTP and Timezone			hx-2-s	ys-config-polic	
무	Fabric Interconnects	Cluster Configuration	+ vCenter (optional)			hx-2-vcent	er-config-polic	
බ	Service Profiles		+ Storage Configuration (optional)			hx-2-cluste	r-storage-polic	
£	Policies	 Nodes Assignment 	- Auto Support (optional)					
Ŷ	Devices	Nodes Configuration	1 Auto-Support Send Service Ticket Notification to 2 Send Service Ticket Notification to C					
		 Summary 	[] IP & Hostname					
		Results	+ UCS Manager Configuration					
			+ Network Configuration					
			+ External FC Storage (optional)					
			+ External ISCSI Storage (optional)					
		Save & Close						

Configuração do cluster - IP e nome do host

=	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

Configuração de cluster - Configuração de UCSM

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		ζ	Q 🖬 5 🔺 11	C	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)							

Configuração de cluster - Rede

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)			Q 🖬 5 🔺 11 🛛 [Γ ¢	۲	⑦ Avin	ash Shukla
<u>00o</u>	Dashboards		+ IP & Hostname 😒				nx-2-no	de-contig-policy	
8	Servers	General	+ UCS Manager Configuration				hx-2-ucs	m-config-policy	
\$	HyperFlex Clusters		 Network Configuration 						
무	Fabric Interconnects	Cluster Configuration	Management Network VLAN Name *		Management Network VL				
õ	Service Profiles	 Nodes Assignment 	HX-MGMT		<u> </u>		2	0	- Î
۵	Policies		VM Migration VLAN Name *		VM Migration VLAN ID *				
ø	Devices	 Nodes Configuration 	HX-VMOTION		© <u>4</u>			٥	
		 Summary 	VM Network VLAN Name * HX-VMNETWORK	<u>5</u> o	VM Network VLAN ID *			+	
		Results	 Jumbo Frames ⊙ 7 						
			+ External FC Storage (optional)						6
			+ External iSCSI Storage (optional)						6
			+ Proxy Setting (optional)		13				
		Save & Close				Previ	ous	Next	

Configuração de Cluster - Armazenamento Externo (Opcional)

Se habilitado, preencha o nome da VSAN e a ID da VSAN para FI A e FI B, respectivamente.

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		🗘 🔲 5 🔺 11			Avinash 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 🗐
₽	Fabric Interconnects	Cluster Configuration	+ UCS Manager Configuration			hx-2-ucsm-config-	policy 🗐
õ	Service Profiles	 Nodes Assignment 	+ Network Configuration			hx-2-cluster-network-	policy 🗐
1			External FC Storage (optional)				
Ŷ	Devices	 Nodes Configuration 	Enable FC Storage 🛇 🦑 Enables or disables evernal FC storage	e configuration.			
		Summary	VSAN A Name *	O VSAN A ID *			0
		Results					
			VSAN B Name *	O VSAN BID*			0
			WWxtN Range Starting Address * 20:00:00:25:B5:	WWxN Range Ending J	Address *		<u> </u>
		Save & Close			Prev	ious	Next

Configuração de Cluster - Configuração de Proxy (Opcional)

≡	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

Configuração de cluster - Hyperflex Storage Network

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		Q 🖬 5 🔺 11		Avina	ash Shukla
<u>00o</u>	Dashboards						
8		General	+ vCenter (optional)		hx-2-vcenter	-config-policy	
\$	HyperFlex Clusters		+ Storage Configuration (optional)		hx-2-cluster-	storage-policy	
Ŧ	Fabric Interconnects	Cluster Configuration	+ Auto Support (optional) 🔗		hx-2-auto-	support-policy	
តា	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-r	etwork-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 * Stor HX-StorageDataNetwork 1 © 5	age Network VLAN ID * 2 ©			
					Previous	Next	

Etapa 10. Selecione os servidores como parte da Atribuição de nó.

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		Q 🛛 S 🔺 11 🛛 🖓	② Avinash Shukla
<u>00o</u>	Dashboards				
8	Servers	General	Cisco HyperFlex Fabric Interconnect cluster allows a minimum	m of 3 to a maximum of 32 nodes.	
\$	HyperFlex Clusters		Assign Nodes Assign Nodes Later		
₽	Fabric Interconnects	 Cluster Configuration 	Show selected(3) Select the server		
õ	Service Profiles	Nodes Assignment			
۵	Policies		Q Search	4 items found 10 v per pag	ye K 🤇 <u>1</u> of 1 🗵 💭
Ø		Nodes Configuration	Name 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 Unselect All		
					Previous

Etapa 11. Configurar e confirmar o endereço IP do hipervisor e do controlador de armazenamento para a **configuração do nó**,

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)			Q 🛛 5 🔺 11				Avinash Shukla
<u>01o</u>	Dashboards								
	Servers	General	IP & Hostname Settings						
8	HyperFlex Clusters		Hostname Prefix hx-2-esxi	Management Subnet Masi	255.255.255.0	Management Netw Gateway	ork 1	72.	
Ŧ	Fabric Interconnects	Cluster Configuration	Management Network 172. Starting IP	Management Network Ending IP	172.1	Controller VM Subn Mask	et 2	55.255.255	
6	Service Profiles	Nodes Assistment	Controller VM Gateway 172.	Controller VM Starting IP	172.	Controller VM Endir	ng IP 1	72.	
1	Policies	Nodes Assignment							
ø	Devices	Nodes Configuration	Above shown IP & Hostname set	ings were used for nodes configuration au	to-complete. You can char	nge configuration man	ually.		
		Summary	Cluster Management IP Address * 172.	MAC Prefix Address * 2 00:25:B5:AA 2	₽				
		Results	Nodes (4) Expand All						
		Save & Close				Previ	ous		Next

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)			🗘 🖬 5 🔺 11	₽ ° ©	⑦ Avinash Shukla
<u>00o</u>	Dashboards		172.	00:25:85:AA			
8	Servers	General	Nodes (4) Collapse All				
æ	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	- ECH2045V1BO				
			Tonzonovinou				
		Summary	Hostname * hx-2-esxi-2	Hypervisor IP *		Storage Controller IP * 172.1	
		Results	b.				
			P011000 (110) (0)				
			- FCH2024YUMN				
			Hostname *	Hypervisor IP *		Storage Controller IP *	
			IN 2 CAN O				
							Next

Etapa 12. Clique em Validar e implantar e verifique o status do progresso e aguarde a conclusão da instalação.

≡	cisco Intersight	Edit HyperFlex	Cluster Profile (HX-2)				Q 🖬 5 🔺 11 🖂	Q,	• •	Avinash Shukla
<u>00o</u>	Dashboards									
8		• 0	General	General				⊘ Ch up	uster Profile HX-2 wa: dated.	
\$	HyperFlex Clusters			HyperFlex Cluster Name	HX-2	Assigned Nodes		Replication	3	
Ŧ	Fabric Interconnects	• c	Cluster Configuration	HyperFlex Cluster Type HyperFlex Data Platform Version	Fl 3.5(2a)	Cluster Management IP Address	172.	MAC Prefix Address	00:25:85	.AA
6	Service Profiles		Nodes Assignment							
1	Policies		iouco rissigninem							
ø	Devices	• N	Nodes Configuration	Cluster Configuration	Nodes Configuration	Errors / Warnings				
		● s	Summary	Security		Hypervisor Admin The hypervisor on default password		root Yes		
		• 6	Results							
				DNS, NTP and Timezone	e V			America/Vanco	uver	
								172. 17		
								172.		
		Sa	ave & Close				Previous	Valida	te Valida	ate & Deploy

Etapa 13. Verifique o status do progresso e aguarde a conclusão da instalação.

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 	Expand All	芒 All (560) In Progress (0)	Success (558) Failed	(0) Warning (2)
 Nodes Configuration 	+ HyperFlex Cluster HX-2 ⊘	Node disk	summary: e60b7bbb-f86f	-b748-bb5d-5c6d1fdd087c	
• Summary	+ UCS-hx-2-ucsm 🧭	Configurin	g static ip on the specified	I 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

Etapa 14. Verifique se o cluster está ONLINE e HEALTHY e execute o script post_install.py.

- Use SSH para acessar o endereço IP de gerenciamento do cluster e faça login usando o nome de usuário <root> (HX 4.0 e abaixo) ou <admin> (HX 4.5 e acima) e a senha da VM do controlador fornecida durante a instalação.
- Cole o seguinte comando no Shell e pressione enter: hx_post_install

Verificar

Etapa 1. Verifique o status do Service Profile em Service Profiles.

≡	cisco Intersight	Service	Profiles						Ļ	43 🛆	12	ß	Q,	•	0	Avinas	h Shukla	æ
<u>00o</u>	Dashboards	III Ne	w features hav	e recently been added! Lea	rn More													×
		HyperFl	lex Cluster Pro	files Server Profiles 🛱											Create H	yperFlex Clus	ter Profil	le
-	HyperFlex Clusters	_																
₽	Fabric Interconnects		O Q Search G Export 1 items found 10															
മ	Service Profiles		Name		Туре		Nodes			Status				Last Upo	late			
6	Policies									ок				Mar 9, 2	019 10:05 A	м		
-																		
49	Devices																	

Etapa 2. Em Cluster Hyperflex, confirme o cluster HX Health e outros detalhes,

≡	cisco Intersight	HyperFl	ex Clusters						Q 🛛 39 🖌	12	i	۵ ۵	0) Avinash S	Shukla 🗕
<u>00o</u>	Dashboards	🔲 Ne	w features h	ave recentl	y been added! Learn M	lore									×
8	Servers			earch								∽ perpage K			
\$	HyperFlex Clusters		Name	÷	Health 🗘	Туре 🗘	HyperFlex 🕴	Hypervisor 🗧	Storage Capacity	Storage Util	ization	Storage Optimi	z	Server Nodes	
Ŧ	Fabric Interconnects				Healthy	HyperFlex Hybrid	3.5(2a)	VMware vSphe	20.1		1.0%		1%		
6	Service Profiles														
1															
Ŷ															

Etapa 3. Clique no **Nome** HX-2 e navegue até os detalhes do perfil, verifique o seguinte em **Detalhes**,

- Endereço IP do Gerenciamento de Cluster
- ID da VLAN de armazenamento
- Fator de replicação
- Tipo de cluster

Verifique as várias políticas e detalhes do nó em Configuração,

≡	cisco Intersight	HyperFlex Clusters > HX-2	🗘 🖪 39 🔺 12	ß	٩	۲	0	Avinash Shukla 🚨	
<u>00o</u> D	ashboards	New features have recently been added! Learn M	lore						×
🗄 s		General Profile							
& н	lyperFlex Clusters	Details	Configuration						
SE F	abric Interconnects	Status Ok	Cluster Nodes Results						
ត្រី ទ	ervice Profiles	Nama UV 2	Network Configuration					hx-2-clust	er-network-policy 🗐
ĺР Р		Description HX-2	Security					hx-2-local	credential-policy 🗐
⊜ ⊅		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 í
		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 Prenx Address 00:25:85:AA							

Etapa 4. Inicie cruzadamente o Hyperflex Connect dos clusters Hyperflex no Intersight e verifique o status do cluster do Hyperflex Connect.

≡	cisco Intersight	HyperFlex Clusters							🗘 🖬 38 🖌	12	٩	۲	Ø Avinash S	ihukla 🖉
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5	Fabric Interconnects				Healthy	HyperFlex Hybrid	3.5(2a)	VMware vSphe_	20.1	1.05		0*		
6	Service Profiles												Launch HyperFlex C	onnect
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· ·		https://intersight.com/nx/starget=5063e4	sbol72012031aabosaascope=nx	(-3.5.2d#/clusters/1		X			
=	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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