Cisco Intersight - VMware ESXi의 Hyperflex 설치 , 구성 및 구축

목차

<u>소개</u> <u>사전 요구 사항</u> <u>요구 사항</u> <u>HX FI 연결 클러스터 구축에 지원되는 버전</u> <u>Intersight 연결</u> <u>기타 요구 사항</u> <u>사용되는 구성 요소</u> <u>구성</u> 네트워크 다이어그램 컨피그레이션 단계 다음을 확인합니다.

소개

Cisco Intersight는 시스템 관리를 서비스 형태로 제공하여 데이터 센터 운영을 간소화하고, 고립된 온프레미스 관리 인프라를 유지할 필요성을 줄입니다.

Cisco Intersight는 Cisco HyperFlex 클러스터(HX Edge 및 FI 연결)를 설치, 구성 및 구축하는 설치 마법사를 제공합니다. 마법사는 HX 클러스터 프로필이라고 하는 클러스터의 사전 구성 정의를 구 성합니다. 이 정의는 HX 클러스터에 있는 HX 노드를 논리적으로 나타낸 것으로 다음을 포함합니다

- 보안 컨트롤러 VM 비밀번호, 하이퍼바이저 사용자 이름, 비밀번호 등 HyperFlex 클러스터에 대한 자격 증명입니다.
- 컨피그레이션 서버 요구 사항, 펌웨어 등
- 연결 업스트림 네트워크, 가상 네트워크 등

이 문서에서는 intersight를 사용하여 FI 연결 Hyperflex 클러스터를 구축하는 방법에 대한 단계와 스 크린샷을 제공합니다.

사전 요구 사항

요구 사항

HX FI 연결 클러스터 구축에 지원되는 버전

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

1

M4, M5

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

Cisco Intersight

Intersight 연결

Intersight 연결과 관련된 다음 전제 조건을 고려하십시오.

- 해당 UCS Manager **인스턴스**의 **디바이스** 커넥터가 **Cisco** Intersight에 연결하고 **청구되도록** 올 바르게 구성되었는지 확인합니다.
- 모든 디바이스 커넥터는 svc.**ucs-connect.com을** 올바르게 확인하고 포트 443에서 아웃바운드 시작 HTTPS 연결을 허용해야 합니다.
- 3.5(2a)까지의 Hyperflex Installer 버전은 HTTP 프록시 사용을 지원합니다. 단, 클러스터가 재 구축되어 공장 출하 시 새로운 버전이 아닌 경우는 예외입니다.
- 모든 컨트롤러 VM 관리 인터페이스는 download.intersight.com을 올바르게 확인하고 포트 443에서 아웃바운드로 시작된 HTTPS 연결을 허용해야 합니다. 클러스터가 재배포되고 공장 에서 새로 만들어지지 않은 경우를 제외하고 직접 인터넷 연결을 사용할 수 없는 경우 HX Installer의 현재 버전은 HTTP 프록시 사용을 지원합니다.
- UCS Fabric Interconnect 관리 인터페이스를 통해 원하는 ESX 서버, HX 컨트롤러 네트워크 및 vCenter 호스트에 액세스할 수 있어야 합니다.
- HXDP 릴리스 3.5(2a)부터는 Intersight 설치 프로그램에서 HyperFlex 서버에 공장 출하 시 설치 된 컨트롤러 VM이 없어도 됩니다. 그러나 HTTP 프록시를 통해 Intersight에 연결하는 경우에도 이 요구 사항이 적용됩니다. 모든 새 HX 서버는 HTTP 프록시와 함께 있는 그대로 구축할 수 있 습니다.

기타 요구 사항

<u>소프트웨어 요구 사항</u> 물리적 요구 사항

<u>네트워크 요구 사항</u>

<u>포트 요구 사항</u>

<u>구축 정보</u>

사용되는 구성 요소

- Cisco Intersight
- Cisco UCSM
- Cisco HX 서버
- Cisco Hyperflex
- VMware ESXi
- VMware vCenter

구성

네트워크 다이어그램

• Cisco Intersight는 모든 Cisco Intersight 에디션에 HyperFlex Installer를 포함하여 HyperFlex 클 러스터를 쉽게 구축할 수 있는 방법을 제공합니다.



컨피그레이션 단계

1단계. Cisco Intersight에 로그인하고 아래와 같이 사용자 계정을 선택합니다.



2단계. 대시보드에서 오른쪽 창의 Devices 탭을 클릭합니다.



3단계. Devices(디바이스)에서 Claim a New Device(새 디바이스 클레임)를 클릭합니다.

☆

	cisco Intersight	Devices						Q 🖬 12	🔺 11 🛛 🖸	9			Avinash Sh	nukla 요
<u>00o</u>	Dashboards	📰 Ne	w features	s have recently been ad	ded! Learn More									×
8													Claim a New I	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			Clair	med By	
6	Policies													
Ŵ	Devices													
													K < 0 of 0	

4단계. UCS Manager에 로그인하고 Admin(관리) -> Device Connector(디바이스 커넥터)로 이동합 니다. Settings(설정)를 클릭하여 액세스 모드 및 프록시 구성을 구성합니다

_	All	All / Device Connector			
m	· HIIGHIGI 6793				
	LAN Cloud				
	 SAN Cloud 				
몲		Interright Management	Settings	×	
	Time Zees Management	intersignt Management			
1	Inne Zone Management	Enabled	General	Proxy Configuration Certificate Manager	
	Capability Catalog		others	er en euter an en	SSI201001PJ 📴
9	Adapters	When this option is enabled, you can c	Access Mode		
-	Blade Servers	this system and leverage the capability of Cisco Intersight.	Read-only		
	CPUs	If disabled, no communication will be	Allow Control		
	Chassis	allowed to Cisco Intersight.			
	Coprocessor Cards			-	
20	Crypto Cards				
	Fan Modules				
	GPU Cards				
	IO Modules				
	Local Disks				
	Memory Units				
	Mini Storage				
	PSUs			Cancel Ok	
	Rack-Mount Servers				
	Storage Controllers				
	 License Management 				
	Device Connector				
æ	Ali	All / Device Connector			
"		All / Device Connector			
.₩ 1	All • • Internal Dev • LAN Cloud	All / Device Connector			
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류 8 응	All Internet Dev LAN Cloud SAN Cloud root ①	All / Device Connector The Device Connector is an embedded manager device connector, please visit help Center Intersight Management	Settings	billies of Cisco Intersight, a cloud-based management platform. F	or detailed information about configuring the
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5단계. UCS Manager에서 Admin(관리) **-> Device Connector(디바이스 커넥터)로 이동합니다.** Intersight **Management 토글** 버튼을 활성화하고 디바이스 ID와 클레임 코드를 가져옵니다.



6단계. Intersight 계정에서 클레임 코드와 디바이스 ID(5단계에서 캡처됨)를 사용하여 디바이스를 클레임합니다. 이제 UCSM 도메인이 클레임됩니다.

≡	cisco Intersight	Device Claim	Q 🖬 35 🔺 12	ß	٩	۲	0	Avinash Shukla 🔬
<u>00o</u>	Dashboards	New features have recently been added! Learn More						×
8	Servers							
\$	HyperFlex Clusters							
Ŧ	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					

7단계. Devices(디바이스)에서 새 도메인에 **"Connected(연결됨)"** 및 **"Claimed(클레임됨)"가 표시되는지 확인합니다**. 또한 이제 Intersight에서 UCSM UI 및 UCSM CLI를 교차 실행할 수 있는 옵션이 있는지 확인합니다.

<u>00o</u>	Dashboards									Cl	aim a New D	evice
8	Servers											
¢	HyperFlex Clusters		Q Search					12 v per pag	je 🗵	K K _ 2 of 2		
	Fabric Interconnects		Name	Status	Туре	Device IP	Device ID			Claimed By		
6	Service Profiles			Connected	UCS Domain		ss	1PJ		rohuhiu@ciaco.c		
	Policies									K (Launch U	JCSM
Ŷ	Devices										Launch C	xu

8단계. Service Profiles(서비스 프로필) 아래에서 Create Hyperflex Cluster Profile(Hyperflex 클러스

터 프로필 생성)을 클릭합니다

Dashboards	HyperFl	SerFlex Cluster Profiles Server Profiles 🗅									e HyperFlex Clusta		
HyperFlex Clusters			Search						<u>10 v</u> p	erpage 📧 < 0 of 0			
Fabric Interconnects		Name				Nodes		Status		Last Update			
Service Profiles													
Policies													
Devices		Sele	cted 1 of 0 Show Selected								C 0 of 0 🗩 🕅		
	Dashboards Servers HyperFlex Clusters Fabric Interconnects Service Profiles Policies Devices	Dashboards HyperFl Servers Flax Clusters Flabric Interconnects Service Profiles Profiles Devices 1	Dashboards HyperFlex Cluster Profi Servers Flex Clusters Fabric Interconnects Service Profiles Policies Devices Service Servic	Dashboards HyperFlex Cluster Profiles Server Profiles Server Profiles Server Profiles Server Profiles Server Profiles Server Profiles Name Server Profiles Service Profiles Serv	Dashboards HyperFlex Cluster Profiles & Server P	Dashboards HyperFlex Cluster Profiles Server Profiles & Server Pro	Dashboards HyperFlex Cluster Profiles Server Profiles Nodes No ITEMS AVAIL Prolicies Devices Server Profiles Server Profiles Server Profiles Server Profiles Server Profiles Server Profiles Nodes No ITEMS AVAIL Server Server Profiles Ser	Dashboards Servers Cluster Profiles Server Profiles A Servers hyperFlex Clusters Fabric Interconnects Service Profiles Policies Devices Service Service Inf 0 Show Selected Unselect All	Dashboards Servers hyperFlex Cluster Profiles Server Profiles & hyperFlex Clusters Fabric Interconnects Service Profiles Prolicies Devices Devices Devices	Dashboards Servers hyperFlex Cluster Profiles Server Profiles Name Type Nodes Status Service Profiles Prolices Devices Server Profiles Server Profiles Server Profiles Server Profiles Server Profiles Server Profiles Nodes Status Prolices Service Profiles Server Pro	Dashboards Servers Cluster Profiles Server Profiles A Cluster A Clust		

9단계. 다음 단계를 사용하여 서비스 프로필을 구성합니다.

일반 작업

≡	cisco Intersight	Create HyperFlex Cluster Profile		Q 🖬 5 🔺 11	ß	Q,	Θ	0	Avinash Shukla
<u>00o</u>	Dashboards		Prior to creating a HyperFlex Cluster profile, ensure that you go	o through the pre-installation checklist i	and the det	ailed HyperFl			
8		General	installation instructions, here						
\$	HyperFlex Clusters		Name* HX-2 0 1						
무	Fabric Interconnects	Cluster Configuration							
6	Service Profiles	Nodes Assistant	HyperFlex Data Platform Version						
ß		• Nodes Assignment							
ø	Devices	 Nodes Configuration 	Туре О						
			Cisco HyperFlex Edge Cisco HyperFlex with Fabric Interco	onnect 3					
		Summary	Replication Factor © 4						
		Results	Description HX-2 5						
			Add Tag						
		Cancel							Next

클러스터 컨피그레이션 - 보안

≡	cisco Intersight	Create HyperFlex Cluster Profile		Q 🖬 5 🔺 11 🛛 🖓 💮	② Avina	sh Shukla
<u>00o</u>	Dashboards					
8	Servers	General	— Security 🛆			
\$	HyperFlex Clusters		Hypervisor Admin *			
무	Fabric Interconnects	Cluster Configuration	root 1			
õ	Service Profiles	 Nodes Assianment 				
1	Policies		 The hypervisor on this node uses the factory default password O 			
ø		 Nodes Configuration 	Hypervisor Password *	Hypervisor Password Confirmation *	@ 0	
		 Summary 	Controller VM Admin Password *	Controller VM Admin Password Confirmation *		3
		Results				
			+ DNS, NTP and Timezone			
			+ vCenter (optional)			
			+ Storage Configuration (optional)			
			+ Auto Support (optional)			
		Save & Close		Previous	Next	

클러스터 컨피그레이션 - DNS, NTP 및 시간대

≡	cisco Intersight	Create HyperFlex Cluster Profile	Q 🖬 5	i 🔺 11 🖸 🔍 😨 🕜 Avinash Shukla
000	Dashboards			
8		• General	+ Security ⊘	hx-2-local-credential-policy 🗐
\$	HyperFlex Clusters		- DNS, NTP and Timezone	
무	Fabric Interconnects	Cluster Configuration	Timezone * DNS Suff	бт.
6	Service Profiles	 Nodes Assignment 	America/Vancouver 1 v o	<u>2_</u> ∞_
1	Policies			
ø		 Nodes Configuration 	172.111111 3 0 1172.111	ters• 4 ∞ +
		Summary	- DNS Servers * @ = + D;	
		Results	+ vCenter (optional)	
			+ Storage Configuration (optional)	
			+ Auto Support (optional)	
			+ IP & Hostname	

클러스터 컨피그레이션 - vCenter 컨피그레이션

≡	cisco Intersight	Create HyperFlex Cluster Profile	Q ■ 5 ▲ 11 図 9, ©	Ø Avina	sh Shukla
<u>00o</u>	Dashboards		+ Security 🕗 hx-24oc	al-credential-policy	
8	Servers	General	+ DNS, NTP and Timezone	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.	3 00	
۵	Policies		uCanter Datazanter Mama F uCanter Simila Sian Da Samar		
Ŷ		Nodes Configuration	Hx2 4 • (Optional) •		
		Summary	+ Storage Configuration (optional)		
		Daculto	+ Auto Support (optional)		
		- Results	+ IP & Hostname		
			+ UCS Manager Configuration		
			+ Network Configuration		
			+ External FC Storage (optional)		

참고:- vCenter 컨피그레이션의 경우 vCenter Single-Sign-On 서버를 건너뛰는 것이 좋습니다. 아래 문서 27페이지를 확인하십시오.

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

클러스터 컨피그레이션 - 스토리지 컨피그레이션

=	cisco Intersight	Create HyperFlex Cluster Profile	다 🖬 5 🔺 11 🔽 🔍 💿 Avinash Shuk
<u>00o</u>	Dashboards		т земли 🗸 настолеченнагрольт 📷
8		General	+ DNS, NTP and Timezone 🖉 hx-2-sys-config-policy 🏢
\$	HyperFlex Clusters		+ vCenter (optional) 🔗 hx-2-vcenter-config-policy 🗐
₽	Fabric Interconnects	Cluster Configuration	- Storage Configuration (optional)
õ	Service Profiles	Nodes Assignment	Lonical Availability Zonae configuration is recommanded for Honar Elay Chisters with 8 or more nodes connected to El
íi		- House Assignment	Cognar Animaling Zune Comignation is recommended for hypernex classes with 0 or more index commenced of th
Ŵ	Devices	 Nodes Configuration 	VDI Optimization Clean up Disk Partitions Logical Availability Zones
			+ Auto Support (optional)
		 Summary 	+ IP & Hostname Select Policy 👔
		Deculte	+ UCS Manager Configuration
		- results	+ Network Configuration
			+ External FC Storage (optional)
			+ External ISCSI Storage (optional)
			+ Proxy Setting (optional)

클러스터 컨피그레이션 - 자동 지원

≡	cisco Intersight	Create HyperFlex Cluster Profile		🗘 🖬 5 🔺 11	P	٩	۲	O Avina	sh Shukli
<u>00o</u>	Dashboards								
=		P General	+ Security 🕗				hx-2-local-ci	edential-policy	
\$	HyperFlex Clusters		+ DNS, NTP and Timezone				hx-2-sy	s-config-policy	
무	Fabric Interconnects	Cluster Configuration	+ vCenter (optional)				hx-2-vcent	r-config-policy	
6	Service Profiles		+ Storage Configuration (optional)				hx-2-cluster	storage-policy	
£	Policies	 Nodes Assignment 	— Auto Support (optional)						
Ŷ	Devices	Nodes Configuration	1 • Auto-Support Send Service Til	cket Notification to					
		 Summary 	IP & Hostname						
		 Results 	+ UCS Manager Configuration						
			+ Network Configuration						
			+ External FC Storage (optional)						
			+ External ISCSI Storage (optional)						
		Save & Close				Prev	ious	Next	

클러스터 컨피그레이션 - IP 및 호스트 이름

≡	cisco Intersight	Create HyperFlex Cluster Profile		Ç	0, 11 12 10, 10		vinash Shukla
<u>00a</u>	Dashboards						
8		• General	+ Auto Support (optional)			hx-2-auto-support-po	icy 🗐
\$	HyperFlex Clusters		— IP & Hostname ⊘				
무	Fabric Interconnects	Cluster Configuration	Hostname Prefix *				
බ්	Service Profiles		hx-2-esxi				<u> </u>
6	Policies	 Nodes Assignment 	Management Network Starting IP *		Management Network Ending IP *		
Ŵ		 Nodes Configuration 	172.1	<u> </u>	172.1	<u>2</u>	<u> </u>
		 Summary 	Management Network Subnet Mask * 3	<u> </u>	Management Network Gateway * 172.1		<u>o</u>
		Results	Controller VM Management Network Starting IP 172: 5	1	Controller VM Management Network Ending IP		<u>o</u>
			Controller VM Management Network Subnet Mask 7 255:255:255:0	<u> </u>	Controller VM Management Network Gateway 172.1		<u>o</u>
		Save & Close			Previous	Ne	rt

클러스터 컨피그레이션 - UCSM 컨피그레이션

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)			Q 🛛 5 🔺 11 🛛 🖓	۹ O	Avinash Sl	hukla
<u>00o</u>	Dashboards					by 2 and	ta anafa anliau 🖉	
8		General				10-2-100	Seconing-policy	
\$	HyperFlex Clusters							
무	Fabric Interconnects	Cluster Configuration	Server Firmware Version * 4.0(1c)					
6	Service Profiles	 Nodes Assianment 						
1			MAC Prefix Starting Address * 00:25:85:44		MAC Prefix Ending Address * 00:25:B5:AA			
ø	Devices	Nodes Configuration						
		Summary	KVM Starting IP * 172.1		KVM Ending IP * 172.		<u> </u>	
		Results	KVM Subnet Mask * 255.255.255.0	<mark>6</mark> o	KVM Gateway * 172.1		0	
			+ Network Configuration					
			+ External FC Storage (optional)					
		Save & Close				Previous	Next	

클러스터 컨피그레이션 - 네트워크

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		Q 🖬 5 🔺 11 🛛 🖓			ash Shukla
<u>00o</u>	Dashboards		+ IP & Hostname 😒		nx-2-no	ae-contig-policy	
8	Servers	General	+ UCS Manager Configuration		hx-2-uc	sm-config-policy	
\$	HyperFlex Clusters		- Network Configuration 🛆				
무	Fabric Interconnects	Cluster Configuration	Management Network VLAN Name *	Management Network VLAN II			
6	Service Profiles	Nodes Assianment	нх-момт 1	<u> </u>	2	0	
Ø	Policies		VM Migration VLAN Name *	VM Migration VLAN ID *			
Ŷ	Devices	Nodes Configuration	HX-VMOTION 3	<u> </u>		0	
		Summary	VM Network VLAN Name * HX-VMNETWORK 5	VM Network VLAN ID *			
		Results	 Jumbo Frames ⊙ 7 				
			+ External FC Storage (optional)				
			+ External ISCSI Storage (optional)				6
			+ Proxy Setting (optional)	\$			

클러스터 컨피그레이션 - 외부 스토리지(선택 사항)

활성화된 경우 FI A와 FI B의 VSAN 이름과 VSAN ID를 각각 입력합니다.

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)			Q 🖬 5 ▲ 11 🛛 🖓	٩	O (?) Avina	ash Shukla	
000	Dashboards		+ Storage Configuration (optional)				hx-2-cluster-s	torage-policy		
8		General	+ Auto Support (optional)				hx-2-auto-si	upport-policy		
8	HyperFlex Clusters		+ IP & Hostname ⊘				hx-2-node-	config-policy		
무	Fabric Interconnects	Cluster Configuration	+ UCS Manager Configuration 🔗			hx-2-ucsm-config-polic				
តី	Service Profiles	 Nodes Assignment 	+ Network Configuration 🔗				hx-2-cluster-ne	etwork-policy		
۵			- External FC Storage (optional)							
Ŷ	Devices	 Nodes Configuration 	Enable FC Storage 💿 Enables or disables enternal FC st	nfiguration.						
		 Summary 	VSAN A Name *	0	VSAN A ID *			0		
		Results								
			VSAN B Name *	0	VSAN B ID *			0		
			WWwN Range Starting Address * 20:00:00:25:B5:	<u> </u>	WWxN Range Ending Address * 20:00:00:25:85:			0		
		Save & Close				Previo	pus	Next		

클러스터 컨피그레이션 - 프록시 설정(선택 사항)

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		🚨 🖬 5 🔺 11	₽ ¢	© 0	Avinash Shukla
<u>00o</u>	Dashboards		+ Auto Sumport (optional)			by 2 auto-support	-policy fil
8	Servers	General	+ Auto support (optional)			hx-2-auto-support	policy
\$	HyperFlex Clusters					hu 0 unon one for	
무	Fabric Interconnects	Cluster Configuration	+ UCS Manager Configuration			nx-z-ucsm-conng	
õ	Service Profiles	Nodes Assignment	+ Network Configuration			hx-2-cluster-network	-policy
1		in the stangement	+ External FC Storage (optional)				
ø	Devices	 Nodes Configuration 	+ External ISCSI Storage (optional)				
			- Proxy Setting (optional)				policy 📄
		 Summary 	Hostname* Port *		Username		
		Results					
			Password ()	₽			
			+ HyperFlex Storage Network 🔗				
		Save & Close			Previo	us	2

클러스터 컨피그레이션 - Hyperflex 스토리지 네트워크

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		Q 🖬 5 🔺 11 🕑	S O Avina	ash Shukla
<u>00o</u>	Dashboards					
8		General	+ vCenter (optional)		hx-2-vcenter-config-policy	
8	HyperFlex Clusters		+ Storage Configuration (optional)		hx-2-cluster-storage-policy	
무	Fabric Interconnects	Cluster Configuration	+ Auto Support (optional)		hx-2-auto-support-policy	
6	Service Profiles		+ IP & Hostname 🔗		hx-2-node-config-policy	
1		 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 * Storage Networ HX-StorageDataNetwork 1 © 5	rk VLAN ID* 2 ©		
		Save & Close		(Previous	

10단계. 노드 지정의 일부로 서버를 선택합니다.

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)		Q 🛛 5 🔺 11 🛛 🕑	🔍 😳 🕜 Avinash Shukla
<u>00o</u>	Dashboards				
8	Servers	General	Cisco HyperFlex Fabric Interconnect cluster allows a minimum of 3 to a m	aximum of 32 nodes.	
\$	HyperFlex Clusters		Assign Nodes Assign Nodes Later		
무	Fabric Interconnects	 Cluster Configuration 	Show selected(3) Select the servers		
õ	Service Profiles	Nodes Assignment			
۵	Policies		Q Search	4 items found 10 ~	perpage 🛛 🤇 1 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	
		Desulte	Not Assigned	HX240C-M4SX	
		• Results	hx-2-ucsm-1 Not Assigned	HX240C-M4SX	
			Selected 3 of 4 Show Selected Unselect All		
					Previous

11단계. 노드 컨피그레이션을 위한 하이퍼바이저 IP 및 스토리지 컨트롤러 IP 주소를 구성하고 확 인합니다.



12단계. Validate & Deploy(검증 및 구축)를 클릭하고 진행 상태를 확인한 후 설치가 완료될 때까지 기다립니다.

≡	cisco Intersight	Edit HyperFlex Cluster Profile (HX-2)				Q 🛛 5 🔺 11 🛛		Avinash Shukla
<u>00o</u>	Dashboards						Cluster Profil	le HX-2 was
8		• General	General				Updated.	Close
\$	HyperFlex Clusters		HyperFlex Cluster Name	HX-2	Assigned Nodes	4	Replication	3
₽	Fabric Interconnects	Cluster Configuration	HyperFlex Data Platform Version	3.5(2a)	Address		Address	00.23.05.00
õ	Service Profiles	Nodes Assianment						
Ø	Policies							
Ŷ	Devices	 Nodes Configuration 	Cluster Configuration Nodes	Configuration	Errors / Warnings			
			Security Hypervis				root	
		Summary	The hypervised and the second a point of the second and the second		The hypervisor or default password		Yes	
		 Results 						
			DNS, NTP and Timezone				America/Vancouver	
							172.000, 172.000	
		Save & Close				Previous	Validate	Validate & Deploy

13단계. 진행 상태를 확인하고 설치가 완료될 때까지 기다립니다.

General Cluster Configuration	HyperFlex Cluster Name Progress Current Stage	HX-2 67% Cluster deployment	HyperFlex Cluste Type Start Time		FI Mar 9, 2019 9:04 AM	Assigned Nodes Duration	4 17m 17s	
 Nodes Assignment 	+ Expand All		≓	Ali (434)	In Progress (4)	Success (428)	Failed (0) V	Varning (2)
Nodes Configuration	— HyperFlex Cluster	HX-2 ⊘	• w	itness Noo	de IP Reachability Cheo	:k		
Summary	 Witness Noc DNS reachat 	le IP Reachability Check pility						
Results	NTP reachat	bility						
	Controllers r	not in existing cluster checl	k					
	vCenter Reve	erse Proxy Port check						
	🥏 ESXi uniform	n version check						

General	HvperFlex Cluster HX-2	HyperFlex Cluster FI	Assianed 4				
Cluster Configuration	Name 100% Progress Cluster creation	Type Mar 9, 2019 9.0 Start Time AM	Nodes 1h 1m Duration 9s				
Nodes Assignment		국 All (560) In Progress	(n) Success (558) Eailed (n) Warning (2)				
Nodes Configuration	LipperFlav Cluster HV 2	An (300) In Flogress	(U) Success (SSG) Faired (U) Walning (2)				
Summary	+ Hypernex Cluster HA-2	 Configuring static ip on the s 	specified ESXi servers				
Results	+ rack-unit-1 hx-2-esxi-4 (172.16.67.140) 🔗) S 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					

14단계. 클러스터가 ONLINE 및 HEALTHY인지 확인하고 post_install.py 스크립트를 실행하십시오.

- 클러스터 관리 IP 주소에 SSH를 연결하고 설치 중에 제공된 <root>(HX 4.0 이하) 또는 <admin>(HX 4.5 이상) 사용자 이름과 컨트롤러 VM 비밀번호를 사용하여 로그인합니다.
- 셸에 다음 명령을 붙여넣고 enter 키를 누릅니다. hx_post_install

다음을 확인합니다.

1단계. Service Profiles(서비스 프로필) 아래에서 서비스 프로필 상태를 확인합니다.

≡	cisco Intersight	Service	Profiles			Q 🖪 43 .	12	ß	٩	Θ	0	Avinash S	Shukla 🔬			
<u>00o</u>	Dashboards	🔲 Nev	w features have recently been added! Learn More													
8		HyperFl	ex Cluster Profile	Cluster Profiles Server Profiles & Create HyperFlex Cluster Profile												
8	HyperFlex Clusters															
<u>_</u>	Fabric Interconnects			Search					Per page							
മി	Service Profiles		Name		Туре		Nodes		Status				Last Upd			
6	Policies								ок				Mar 9, 20	019 10:05 A	м	
	Parloss											<1 of 1				
69	Devices															

2단계. Hyperflex Cluster에서 HX Cluster Health 및 기타 세부 사항을 확인합니다.

≡	cisco Intersight	HyperFl	erFlex Clusters							Q 🛛 39	<u>▲</u> 12	Ø	۵ ۵	0	Avinash	Shukla 🕰
<u>00o</u>	Dashboards	🔲 Ne	New features have recently been added! Learn More													
8	Servers			Search							tems found		∽ perpage ⊮			
\$	HyperFlex Clusters		Nam		Health		Type 🗘	HyperFlex 🗧	Hypervisor 🗘	Storage Capacity	Storage	Jtilization	Storage Optimiz	Se	- rver Nodes	
₽	Fabric Interconnects				Healthy		HyperFlex Hybrid	3.5(2a)	VMware vSphe	20.1		- 1.0%	0			
6	Service Profiles															
1																
Ŷ																

3단계. Name HX-2(**이름** HX-2)를 클릭하고 Profile details(프로파일 세부사항)를 찾은 다음 Details(세부사항)에서 다음을 **확인합니다**.

- 클러스터 관리 IP 주소
- 스토리지 VLAN ID
- 복제 인자
- 클러스터 유형

Configuration(컨피그레이션) 아래의 다양한 정책 및 노드 세부 정보를 확인합니다.

≡	cisco Intersight	HyperFlex Clusters > HX-2		🗘 🖪 39 🔺 12	ß	٩	۲	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						
<u></u>	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-vce	nter-config-policy 🗐
		Assigned Nodes 4 Cluster Type Cisco HyperFlex with Fabric	Proxy Setting					hx-2-pro	oxy-setting-policy 🗐
		HyperFlex Data Platform Version 3.5(2a)	UCS Manager Configuration					hx-2-u	csm-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	ter-storage-policy 📶
		Storage Network VLAN Name StorageDataN MAC Prefix Address 00:25:B5:AA	DNS, NTP and Timezone					hx-2-	sys-config-policy 🗐

4단계. Intersight의 Hyperflex Clusters에서 Hyperflex **Connect를 교차** 실행하고 Hyperflex Connect에서 클러스터 상태**를 확인합니다**.

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