在Intersight管理模式下配置埠型別

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簡介

本檔案介紹如何在Intersight管理模式(IMM)上設定光纖互連(FI)的連線埠型別。

必要條件

需求

思科建議瞭解以下主題:

- •一般Intersight管理模式(IMM)知識
- Cisco Intersight基礎知識。
- 埠型別和配置。

採用元件

本文中的資訊係根據以下軟體和硬體版本:

- Cisco UCS 6454光纖互連
- Cisco Intersight軟體即服務(SaaS)

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除(預設))的組態來啟動。如果您的網路運作中,請確保您瞭解任何指令可能造成的影響。

背景資訊

Intersight託管模式(IMM)要配置埠配置或「埠角色」(例如伺服器或網路上行鏈路),您必須建立 策略並將其分配給域配置檔案。

設定

步驟1.建立埠策略。

轉到Configure —> Policies —> Create Policy。

=	cisco Intersight	CONFIGURE > Policies			🚨 🖬 343 🔺 341 🕑 🦞	34 9, 0	æ
<u>00</u> 0						Create Polic	cy
ø							
		* All Policies +			G Export 146 iter	nsfound 16 v perpage া () () of 10))	
		Platform Type UCS Server 128 UCS Chassis 11 UCS Domain 34 HyperFlex Cluster 1	* Used 86 * Not Used 60				
<		Name :	Platform Type	Type	Usage	Last Update :	>
×	Integrated Systems CONFIGURE		UCS Server	Local User	2 @	13 hours ago	
	Orchestration		UCS Server	LAN Connectivity		Aug 26, 2022 11:00 AM	
			UCS Server, UCS Domain	Ethernet Network Control	6 ٥	Aug 26, 2022 10:51 AM	
	Templates		UCS Server	Ethernet Adapter	6 ٥	Aug 26, 2022 10:48 AM	
	Policies		UCS Server	Storage		Aug 26, 2022 10:37 AM	
	Pools		UCS Server	Virtual KVM		Aug 26, 2022 10:35 AM	
(B)	ADMEN		UCS Server, UCS Chassis	IMC Access	4 🐻	Aug 26, 2022 10:24 AM	
-40		- distantan	HPS Server	Virtual Morlia	16	Aug 26, 2022 10:13 AM	

建立策略檢視

選擇UCS Domain和Port。

按一下**開始**。

≡	cisco Intersight	CONFIGURE > Policies > Create			🗘 🗖 343 🔺 341	ß	9 \$ 34	٩	0	0		æ
ele P				Select Policy Type								
¢ ¢	Chushin Servers Chussis Fabric Interconnects Fabric Interconnects HyperFlex Clusters Integrated Systems CONFRGURE Orchestration Profiles Polices ADMIN V		Filters PLATICINA TYPE All UCS Server UCS Charain UCS Charais HyperFlax Cluater Kubernetes Cluater	Q. Search Ethernet Network Control Ethernet Network Group Flow Control Link Aggregation Link Control Multicast NTP	Port SNMP Switch Control System QoS VLAN VSAN							
										•	Start	

選擇策略型別檢視

設定策略的值。Organization、Name和Switch Model。

在此範例中,已設定的值如下:

— **組織默**認

— 名稱MyPortPolicy

— 交換機型號UCS-FI-6454

按一下Next。

≡	cisco Intersight		> Create		Q 🖪 343 🔺 341	q \$ 34		۵.
ello		🚈 Progress			Step 1			
ø		General		- {Õ y	General Add a name description and tap for the policy.			
				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
		2 Unified Port						
		3 Breakout Options		default				
		Port Roles		Name *				
				MyPortPolicie				
	Integrated Systems			Switch Model *				
×				UCS-FI-6454				
				Set Tags				
	Templates							
	Policies			Description	4 1024			
Ð								
								Mark 1
		Cancer						MOXL >

策略詳細資訊檢視

現在,您可以選擇將「統一埠**」配置**為**FC**或**Ethernet**。左側(藍色)埠可配置為FC,右側(紫色)埠可配置為Ethernet。

=	cisco Intersight	CONFIGURE > Policies > Port >	Create				۵ 🖬	343 🔺 341	ß	<b>F</b> \$ 34	٩	٥	0		æ
<u>00</u> 0		🚈 Progress					Step 2								
θ		G General				SOL	Unified Port	Ethernet							
		Ĭ				~~~	traffic.								
		Unified Port													
		3 Breakout Options		Move slider to confi	igure unified ports and select port to	set breakout.									
		Port Roles		Fibre Channel Ports											
					8 Fiber Channel Po	orts (Port 1-8)									
	Integrated Systems									•					
×	CONFIGURE ^									•					
				0500 UC5-F1-6454							inin				
									• FC •	Ethernet	Port Mode				
	Templates				Ports 1-8		Ethernet	Ports 9-54							
	Policies														
¢															
														Maret N	
		Back	ancer											Next >	

統一埠檢視

**注意**:如果在固定模組上更改統一埠(例如6454上的統一埠),則在後續步驟中部署配置檔 案時,可能需要重新啟動。

您可以選擇配置「分線纜」。在FI 6454中, Breakout埠從49變為54。

cisco Intersight	CONFIGURE > Policies > Port > Create			Q 🖬 343 🔺 341 🕑	qti 34 Q 💿 🕥	۹.
	🚈 Progress		Configure breakou	at ports on FC or Ethernet.		
		Ethernet Fibre Channel				
	2 Unified Port	Configure				
	Breakout Options					
	4 Port Roles					
HyperFlex Clusters						
Integrated Systems		C860105-R464			internining and	
				• FC + Ether	net   🗖 Breakout Capable	
Profiles						
Templates		Port 49	Ethernet			
Policies			Ethernet			
			Ethernet			
ADMIN ~			Ethernet			
			Ethernet			
			Ethernet			
						Next >

分支電纜檢視

在Port Roles窗格中,設定埠配置。

若要開始,請選擇要配置的埠,然後按一下Configure。

=	cisco Intersight	CONFIGURE > Policies > Port	> Create				<b>۵</b> ا	343 🔺 341	ß	<b>q</b> 5 34	٩	0	0	ه
<u>00o</u>		至 Progress		Por	t Roles Port Channels Pin Grou									
ø				•	Selected Ports Port 9	Clear Selection								
		General		-										
		2 Unified Port		1000000						478 HAVI				
		3 Breakout Options			क्रम्क स्टब्स् स					•••				
		Port Roles		05000	CS-17-6454					•				
											Unconfigure			
	Integrated Systems													
×														
							Kole	Port Channel			Mode			
					port 1		Uncompared							
					port 2		Unconfigured							
	Policies				port 3		Unconfigured							
							Unconfigured							
Ð							Unconfigured							
							Unconfigured							
							Unconfigured							
							Unconfigured							
						Ethernet	Unconfigured							
														Save

埠角色檢視

在Configure中,為連線埠設定type、speed和Network Policies。

按一下「Save」以儲存變更。

=	cisco Intersight	CONFIGURE > Policies > Port > Create		û 🖪 343 🔺 341 🛛 🖓	<b>9</b> \$ 34		0	ዳ
₩ ₽			Configure Port					
			Configuration Selected Port Port 9 Role Ethernet Uplink					
×	CONFIGURE  Orchestration Profiles Policies Policies Policies		Admin Speed FEC Auto  v  o  Ethemet Network Group  Select Policy  Fior Control Select Policy					
¢	admin ~		Link Control Select Policy			Per	t Roles	

配置埠詳細資訊

#### 驗證設定:

=	cisco Intersight		Create					343 🔺 341		<b>F</b> \$ 34				۹
		\Xi Progress		Port Roles										
				Configure	Selected Ports									
		General												
		2 Unified Port												
		3 Breakout Options		-										
		Port Roles		1500 UCS-41-6454			القلقات القاقات							
	HyperFlex Clusters								• Ethern	et Uplink 🛛	Unconfigured			
	Integrated Systems													
×	CONFIGURE ^													
			Port Roles	Name		Туре	Role	Port Channel			Mode			
	Profiles						Unconfigured							
							Unconfigured							
							Unconfigured							
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Ð							Unconfigured							
							Unconfigured							
							Unconfigured							
							Unconfigured							
				port 9		Ethernet	Ethernet Uplink							
		< Back C	ancel									-	Sa	we

驗證設定

按一下「Save」。

**註**:您也可以將配置同時應用於多個埠。

選擇要配置的埠,然後按一下**Configure**。

	cisco Intersight		Create				343 🔺 341 🕑 📢 34		۹ ا
		⊆ Progress		Configure Selected Ports Port	10, Port 11 Clear Selection				
		General							
		Ĭ							
		2 Unitied Port		9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					
		3 Breakout Options					Ethernet Uplink	Unconfigured	
		Port Roles							
	Integrated Systems								
×	CONFIGURE ^					Unconfigured			
						Unconfigured			
						Unconfigured			
	Templates					Unconfigured			
						Unconfigured			
						Unconfigured			
						Unconfigured			
						Unconfigured			
				port 9	Ethernet	Ethernet Uplink			
				gort 10		Unconfigured			
				🛃 port 11	Ethernet	Unconfigured			
	de	Can Can	ıcel						Save

埠配置

### 在Configure中,為連線埠設定type、speed和Network Policies。

=	cisco	Intersight	CONFIGURE > Policies > Port > Create		û 🖬 343 🔺 341 🖾	<b>9</b> \$1 34 ℃	D
	MONITOR OPERATE Servers			Configure (2 Ports)			
	Chassis Fabric Intero Networking	Port Roles		Configuration Selected Ports Port 10, Port 11			
1	HyperFlex Cl integrated Sy			Role Ethernet Uplink			
	Orchestration			Admin Speed FEC Auto <u>o</u> Auto <u>o</u>			
	Templates			Ethernet Network Group © Select Policy			
				Flow Control Select Policy f			
đ i				Link Control Select Policy 🕼			
			Cancel				 Save

埠詳細資訊

接下來驗證配置。

按一下「Save」,然後儲存組態。

=	cisco Intersight		Create					343 ▲ 341 🕑 📢 34		8
<u>elo</u>		⊆ Progress								
ø		() course		-						
				- 19	() चित्र चित्र सिंह सिंह के सि	PE PERSONALISA	terterte starterte	क्तिक्तक व्या		
		(2) Unified Port	Port Roles	CHECO UCH	5-77-6454					
		3 Breakout Options						Ethernet Uplink	Unconfigured	
		o Port Roles							(	
	HyperFlex Clusters					Туре				
	Integrated Systems						Unconfigured			
×							Unconfigured			
							Unconfigured			
							Unconfigured			
	Templates						Unconfigured			
							Unconfigured			
							Unconfigured			
Ð	ADMIN V						Unconfigured			
						Ethernet	Ethernet Uplink			
						Ethernet	Ethernet Uplink			
_					port 11	Ethernet	Ethernet Uplink			
										Course and Course
		С	ancei							Save

驗證設定

#### 如以下範例所示驗證組態。

#### 現在,您的策略會顯示在**Policies**面板下:

=	cisco Intersight		FIGURE > Policies				🔺 341 🛛 🕼	34 9, 0 0	۲ <u>۵</u>
<u>ello</u>									Create Policy
ø			All Policies (0) +						
		0	🖉 📋 🔍 Add Filter					ns found 16 ✓ per page K < 1	
		Pla	atform Type Usage						
			CS Server 128 UCS Chassis 11	• Used 85					
			Colomban ad Hypernex Clubler 1						
				Platform Type					: 9
4	Integrated Systems			UCS Domain	Port		0 👸	a few seconds ago	Ð
×	CONFIGURE ^			UCS Server	Local User		2 🐻	13 hours ago	
				UCS Server	LAN Connectivity			Aug 26, 2022 11:00 AM	
	Profiles			UCS Server, UCS Domain	Ethernet Network Control		0 🗟	Aug 26, 2022 10:51 AM	
	Templates			UCS Server	Ethernet Adapter		0 🗟	Aug 26, 2022 10:48 AM	
	Policies			UCS Server	Storage			Aug 26, 2022 10:37 AM	
	Pools			UCS Server	Virtual KVM			Aug 26, 2022 10:35 AM	
(¢)	ADMIN V			UCS Server, UCS Chassis	IMC Access		4 🐻	Aug 26, 2022 10:24 AM	
				UCS Server	Virtual Media			Aug 26, 2022 10:13 AM	

「策略」面板

步驟2.建立策略後,您需要將其應用於域配置檔案。

轉到Profiles -> UCS Domains Profiles -> 「Domain Profile Name」。

本示例使用IMM域配置檔案。



域配置檔案窗格

前往Ports Configuration以檢視Select Policy選項。

在Select Policy中按一下,然後選擇您的策略:

cisco Intersight	CONFIGURE > Edit UCS Domain Profile (IMM-Doma	an) 🗘 🖬 343 🛦 341 🕑	<b>q</b> ⊄134 Q, © ⊙ <u>≗</u>
	⊡ Progress	v v statowsky par	
	(1) General	Configure ports by creating or selecting a policy.	
	2 UCS Domain Assignment	Fabric Interconnect A Not Configured	
	3 VLAN & VSAN Configuration	Ports Configuration	
	Ports Configuration		
	5 UCS Domain Configuration		
Integrated Systems	6 Summary	NOT CONFIGURED	
Orchestration			
Profiles			
		Fabric Interconnect B Not Configured	
		Ports Configuration	
		NOT CONFIGURED	
	Close	]	Next >

選擇策略窗格

在本示例中,選擇了「MyPortPolicy」之前建立的策略。

	Sel	ect Policy						×
l	Poli	cies 3						
				3 items found	50 ~	per page 🔣 🤇 1 of 1	$\mathbb{N}$	63
	Q	Device Model UCS-FI-6454 $\times$	ilter				×	
		Name		Device Model		Last Update		Ş
		IMM-6454-FI-A		UCS-FI-6454		2 minutes ago		0
	0	MyPortPolicie		UCS-FI-6454		6 minutes ago		0
ų		IMM-6454-FI-B		UCS-FI-6454		Aug 25, 2022 2:17 PM		۲
	Select	ed 1 of 3 Show Selected	Unsele	ect All		КК	1 of 1 [	> স
Ē	S 已選擇兌	Select						

驗證設定:

=	cisco Intersight	CONFIGURE > Edit UCS Domain Profile (IMM-Domain			🗘 🖪 343 🔺 341	ଟ 🕫 34 ୍ 🔘	۵ ۹
<u>elo</u>		⊡ Progress					
ø		General	Ports Configuration			Selected Policy MyPortPolicie @	
				14*11. 174*14 194*19 174*19 194*19 194*19 174*19 194*19 19			
		3 VLAN & VSAN Configuration					
	Networking	Ports Configuration	CIICO UCS-IT-6454			Internet and a second second	
		5 UCS Domain Configuration				Ethernet Uplink     Unconfigured	
	Integrated Systems	6 Summary					
×			Port Type		Port Role		
	Profiles				Unconfigured		
			Fabric Interconnect B Configured				
Ф	ADMIN		Ports Configuration			Selected Policy MyPortPolicie @	
			-				
			CINCO UCS-F1 4454				No. 1
		Close	J				Next >

驗證配置

### 步驟3. 部署域配置檔案。在Summary窗格中,按一下Deploy。

=	cisco Intersight	CONFIGURE > Edit UCS Domain Profile (IMM-Domain)			Q 🖪 343 🔺 341 💽	<b>\$</b> \$1 34 ⊂ ⊙	0   A
<u>00</u> 9		⊡ Progress		Step 6			
Ø		1 General		Summary Review the UC			
	Servers	2 UCS Domain Assignment		configuration	errors and deploy the profile.		
		3 VLAN & VSAN Configuration	General				
		Ports Configuration		IMM-Domain		Not Deployed Changes	
		5 UCS Domain Configuration	Organization	default			
	Integrated Systems	Summary		Model			
×	CONFIGURE ^			UCS-F1-6454	FD02440009X		
	Profiles			UCS-F1-6454	FD024270LDM		
			Ports Configuration VLAN & VSAN Configuration				
			Fabric Interconnect A				
			Fabric Interconnect B				
Ţ	ADMIN ~						
		< Back Close					Deploy

部署更改

部署配置,並根據您的選擇配置埠。

#### 關於此翻譯

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