# 在Intersight管理模式下配置端口类型

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## 简介

本文档介绍如何在Intersight管理模式(IMM)上配置交换矩阵互联(FI)的端口类型。

## 先决条件

#### 要求

建议掌握下列主题的相关知识:

- 通用Intersight管理模式(IMM)知识
- Cisco Intersight基础知识。
- 端口类型和配置。

#### 使用的组件

本文档中的信息基于以下软件和硬件版本:

- Cisco UCS 6454交换矩阵互联
- Cisco Intersight软件即服务(SaaS)

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原 始(默认)配置。如果您的网络处于活动状态,请确保您了解所有命令的潜在影响。

## 背景信息

Intersight托管模式(IMM)要配置端口配置或"端口角色"(例如服务器或网络上行链路),您必须创建 策略并将其分配到域配置文件。

### 配置

**步骤1:** 创建端口策略。

转至Configure —> Policies —> Create Policy。

=	cisco Intersight		FIGURE > Policies			🚨 🖬 343 🔺 341	r 🛛	134 Q ©	ھ
<u>08</u> 0									Policy
ø									
	Servers	*	All Policies (0) +						
		Pia U	utform Type Usa CS Server 128 UCS Chassis 11 CS Domain 34 HyperFlex Cluster 1	96 <b>*</b> Used <b>85</b> <b>*</b> Not Used <b>60</b>					
<									
	Integrated Systems		Name	Platform Type		Usage		Last Opdate :	3.
×	CONFIGURE ^			UCS Server	Local User		2 👸	13 hours ago	
_	Orchestration			UCS Server	LAN Connectivity			Aug 26, 2022 11:00 AM	
	Profiles			UCS Server, UCS Domain	Ethernet Network Control		• 6	Aug 26, 2022 10:51 AM	
	Templates			UCS Server	Ethernet Adapter		• 🐻	Aug 26, 2022 10:48 AM	
F	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	
4.1.			wheelin makana	HPS Server	Virtual Martia		16	8-m 26 2022 10-13 AM	

创建策略视图

#### 选择UCS Domain和Port。

#### 单击**开始**。

=	cisco Intersight	CONFIGURE > Policies > Create			🚨 🖬 343 🔺 341	ß	<b>Ş</b> \$ 34	٩	٥	0	۵
₪				Select Policy Type							
	Servers Chassis Fabric Interconnects Networking		Filters PLATFORM TYPE All UCS Server	Q. Search Ethernet Network Control Ethernet Network Group Flow Control	Port     SNMP     Switch Control						
×	HyperFlex Clusters Integrated Systems CONFIGURE ^ Orchestration		UCS Domain     UCS Chassis     HyperFilex Cluster     Kubernetes Cluster	Link Aggregation Link Control Multicast Network Connectivity	System QoS VLAN VSAN						
	Profiles Templates Policies										
Ð											
		Cancel								•	Start

选择策略类型视图

设置策略的值。**组**织、名称和交换机型。

在本示例中,配置的值如下:

— **组织默**认

-Name MyPortPolicy

— 交换机型UCS-FI-6454

单击Next。

≡	cisco Intersight		> Create			🗘 🖪 343 🔺 341	<b>q</b> \$1 34		<u>م</u>
elo		🚈 Progress				Step 1			
ø		General		Ę	0 K	General Add a name description and tan for the policy			
		Links Inst			~~~~				
				Orgs					
		3 Breakout Options		def	ault				
		4 Port Roles		Nan					
				My	PortPolicie				
	Integrated Systems			Swit	tch Model *				
×					S-FI-6454				
				C	Tees				
				<u></u>	Tays				
	Templates			Des	crintion				
	Policies					<= 1024			
¢	ADMIN ~								
									Next >

策略详细信息视图

现在,您可以选择将"统一端口**"配**置为**FC或**以太**网**。左侧(蓝色)端口可配置为FC,右侧(紫色 )端口可配置为Ethernet。



统一端口视图

**注意**:如果更改固定模块上的统一端口(例如6454上的统一端口),则后续步骤中部署配置 文件时,可能需要重新启动。

您可以选择配置"分线电缆"。在FI 6454中,Breakout端口从49变为54。

cisco Intersight	CONFIGURE > Policies > Port > Create			Q 🖬 343 🔺 341 🕑	¢‡134 Q, @ ⑦	۵.
	E Progress		Configure breakou	at ports on FC or Ethernet.		
	General	Ethernet Fibre Channel				
	2 Unified Port	Configure				
	Breakout Options					
	Port Roles					
HyperFlex Clusters						
Integrated Systems		C86093058-R-4454			and a design of the second	
				• FC • Ether	met   🗖 Breakout Capable	
Orchestration						
Templates		Port 49	Ethernet			
Policies			Ethernet			
			Ethernet			
ADMIN ~			Ethernet			
			Ethernet			
			Ethernet			
						Next >

分支电缆视图

在**端口角色**窗格中,设置端口配置。

首先,选择要配置的端口,然后单击Configure。

=	cisco Intersight		Port > Create				Q I	343 🔺 341		<b>F</b> \$ 34	٩			ه
<u>00</u> 0		⊆ Progress		Port	t Roles Port Channels Pin Group									
ø					Selected Ports Port 9	Clear Selection								
		General		-										
		2 Unified Port		-							HATH			
		3 Breakout Options			राषाचाचाचाचाचा									
		Port Roles		0800-0	CS-17-6454				<b>1</b> -16	•				
											Unconfigure			
	Integrated Systems													
×	CONFIGURE ^													
								Port Channel						
					port 1		Unconfigured							
					port 2		Unconfigured							
	Policies						Unconfigured							
							Unconfigured							
ø							Unconfigured							
							Unconfigured							
							Unconfigured							
							Unconfigured							
_						Ethernet	Unconfigured							
												<b></b>	Sav	re

端口角色视图

在**配置**中,为端口设置**类型、速度**和**网络策略**。

单击Save以保存更改。

=	cisco Intersight	CONFIGURE > Policies > Port > Create		û 🖪 343 🔺 341 🕑	<b>F</b> \$ 34		0	æ
t≟ ₽			Configure Port					
			Configuration Selected Port Port 9 Role Ethernet Uplink <u>v</u>					
×	CONFIGURE ^ Orchestration Profiles Templates Policies ADMN v		Admin Speed FEC Auto					
		Cancel	Link Control Select Policy			Port	Roles 5 Save	

配置端口详细信息

#### 验证配置:

	cisco Intersight	CONFIGURE > Policies > Port > Create				∎ 343 🔺 341 🕑 📢 34		<u>ه</u>
			Port Roles Port Channels Pin					
			Configure Selected Ports					
		General						
		2 Unified Port						
		3 Breakout Options						
	Networking	Port Roles	CISCO UCS-71-6454			ويتكر تكالكا كالكال		
	HyperFlex Clusters					Ethernet Uplink	Unconfigured	
	Integrated Systems							
×	CONFIGURE ^							
		Port Ro	oles Name	Туре	Role	Port Channel	Mode	
	Profiles				Unconfigured			
					Unconfigured			
					Unconfigured			
					Unconfigured			
	ADMIN Y				Unconfigured			
					Unconfigured			
					Unconfigured			
					Unconfigured			
			port 9	Ethernet	Ethernet Uplink			
								Save

验证配置

Click Save.

**注**:您还可以同时将配置应用到多个端口。

选择要配置的端口,然后单击Configure。

diale Intersight	CONFIGURE > Policies > Port > Create					343 🔺 341 🖂 📢 <b>5</b> 4		ه ا
	⊡ Progress	C	Selected Ports Port 1	0, Port 11   Clear Selection				
	C Constant							
	General							
	2 Unified Port	CIII CO						
	3 Breakout Options					• Ethernet Uplink	Unconfigured	
	Ort Roles							
Integrated Systems								
CONFIGURE ^					Unconfigured			
					Unconfigured			
					Unconfigured			
Templates					Unconfigured			
Policies					Unconfigured			
			port 6		Unconfigured			
					Unconfigured			
			port 8		Unconfigured			
			port 9	Ethernet	Ethernet Uplink			
		2	port 10	Ethernet	Unconfigured			
			port 11					
le l	Cancel							Save

端口配置

#### 在**配置**中,为端口设置**类型、速度**和**网络策略**。

= "litalit" Intersight	CONFIGURE > Policies > Port > Create	🗘 🖬 343 🔺 341 🛛 🗹	द‡ ३4 <b>२,</b> ⊙	0
00 OPERATE	Configure (2 Ports)			
Chassis Port Roles				
Fabric Interconnects	Configuration			
Networking				
HyperFlex Clusters				
Integrated Systems	Ethernet Uplinik 🗸			
X CONFIGURE ^				
Orchestration	Auto <u>v</u> o Auto <u>v</u> o			
Profiles	Ethernet Network Group 💿			
Templates				
Policies	Flow Centrol			
Pools				
👰 ADMIN 🗸	Link Control			
	Cancel			Save

端口详细信息

接下来验证配置。

单击Save并保存配置。

=	cisco Intersight		> Create				343 ▲ 341 ☑	द्वी 34	0
<u>ello</u>		⊆ Progress							
ø		C General							
		Ŭ <sup>omma</sup>			ABTA TABTA PTATAPTAP		F0F0F0F0F4 5		
		(2) Unified Port	Port Roles	CISCO UCS-IT-6454				Anninin Anninin	
		3 Breakout Options					• Ethe	met Uplink	
		o Port Roles							
	HyperFlex Clusters								
	Integrated Systems					Unconfigured			
×	CONFIGURE ^					Unconfigured			
						Unconfigured			
						Unconfigured			
	Templates					Unconfigured			
	Policies					Unconfigured			
	Pools					Unconfigured			
(P)	ADMIN ~					Unconfigured			
				port 9	Ethernet	Ethernet Uplink			
					Ethernet	Ethernet Uplink			
_				port 11	Ethernet	Ethernet Uplink			
									Save

验证配置

如以下示例所示验证配置。

#### 您的策略现在显示在**策略**面板下:

=	cisco Intersight	NFIGURE > Policies			🗘 🖪 343 🔺 341	R 4	134 9 0 0	D   🤹
<u>elo</u>								Create Policy
ø		All Policies () +						
		? 🧷 📋 🔍 Add Filter						
		fatform Type Usage						
		UCS Server 128 UCS Chassis 11	• Used 86					
		UCS Domain 35 HyperFlex Cluster 1	• Not Used 61					
			Platform Type					
4	Integrated Systems		UCS Domain	Port		ā •	a few seconds ago	<u>را</u>
×	CONFIGURE ^		UCS Server	Local User		2 🐻	13 hours ago	
			UCS Server	LAN Connectivity			Aug 26, 2022 11:00 AM	
			UCS Server, UCS Domain	Ethernet Network Control		6 ه	Aug 26, 2022 10:51 AM	
	Templates		UCS Server	Ethernet Adapter		ۋ ٥	Aug 26, 2022 10:48 AM	
			UCS Server	Storage			Aug 26, 2022 10:37 AM	
			UCS Server	Virtual KVM			Aug 26, 2022 10:35 AM	
(P)			UCS Server, UCS Chassis	IMC Access		4 🐻	Aug 26, 2022 10:24 AM	
			UCS Server	Virtual Media			Aug 26, 2022 10:13 AM	

Policies面板

**第二步:**创建策略后,您需要将其应用于域配置**文件。** 

转至Profiles ---> UCS Domains Profiles ---> "Domain Profile Name"。

在本示例中,使**用IMM域**配置文件。



Domain Profile窗格

转到**端口配置**以查看**选择策略**选项。

点击**选择策略**,然后选择您的策略:

cisce Intersight	CONFIGURE > Edit UCS Domain Profile (IMM-Do	main)	Q 🖬 343 🔺 341 🕞 🛭 🗣 43 34 Q, 💿 💿	ه.
	🚈 Progress		n versione prost.	
	(1) General	Configure ports by creating or selecting a policy.		
Servers	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	AT A TABLE AND A DECEMBER OF A DECEMBER OF NOT	CONFIGURED	
Orchestration				
Profiles				
Templates		Fabric Interconnect B Not Configured		
		Ports Configuration		
		NO	T CONFIGURED	
	Close			
line a	Ciuse			

选择策略窗格

在本示例中,选择"MyPortPolicy"**之前**创建的策略。

Se	lect Policy						×
Po	licies 3						
			3 items found	50 v	per page 🔣 🤇 o	f1 > >	÷
Q	Device Model UCS-FI-6454 $\times$	ne Ce Model UCS-FI-6454 × Add Filter					×
	Name		Device Model		Last Update		Ş
0	IMM-6454-FI-A		UCS-FI-6454		2 minutes ago		0
0	MyPortPolicie		UCS-FI-6454		6 minutes ago		0
	IMM-6454-FI-B		UCS-FI-6454		Aug 25, 2022 2:17 PM		۲
Selec	ted 1 of 3 Show Selected	Unsele	ect All		K <	1 of 1 [	<u>ک</u> ا
-							
	Select						
已选择	策略						

验证配置 :

=	cisco Intersight	CONFIGURE > Edit UCS Domain Profile (IMM-Domain)			🚨 🖬 343 🔺 341	ତ <b>ହା 34 ି</b> ତି	ه ا
<u>elo</u>		⊡ Progress					
Ø		General	Ports Configuration			Selected Policy MyPortPolicie (1)	
		Ĭ					
		UCS Domain Assignment		-			
		3 VLAN & VSAN Configuration	DERDERDERDERDERDERDER DERDE		कच त्वक्कक्कक	ariaria anna anna anna	
	Networking	Ports Configuration	BECO VCS-11-464				
		5 UCS Domain Configuration				Ethernet Uplink     Unconfigured	
	Integrated Systems	6 Summary					
×			Port Type		Port Role		
	Profiles				Unconfigured		
			Fabric Interconnect B Configured				
Ð	ADMIN		Ports Configuration			Selected Policy MyPortPolicie @   >	3
			म्याचाचाचाचाचाच स्थान		<b>1154 231342342342342</b> 3	417-417-4 TING TING TING	
		Close	10000 000 41 4404			>	Next >

验证配置

### **第三步:**部署域配置文件。在Summary窗格中,点击Deploy。

=	cisco Intersight	CONFIGURE > Edit UCS Domain Profile (IMM-Domain)			û 🖪 343 🔺 341 🕞	<b>द</b> ई 34 <b>Q</b> ⊙	9   A
<u>00</u> 9		⊟ Progress		Step 6			
Ø		1 General		Summary Review the UC			
	Servers Chassis	2 UCS Domain Assignment		configuration	errors and deploy the profile.		
		3 VLAN & VSAN Configuration	General				
		4 Ports Configuration		IMM-Domain		A Not Deployed Changes	
		5 UCS Domain Configuration	Organization	default			
	Integrated Systems	Summary		Model			
×	CONFIGURE ^			UCS-F1-6454	FD02440009X		
				UCS-F1-6454	FD024270LDM		
	Templatas		Ports Configuration VLAN & VSAN Configuration	on UCS Domain Configuration Errors / W	lamings		
			Fabric Interconnect A				
æ			Fabric Interconnect B				
		< Back Close					Deploy

部署更改

部署配置,并根据您的选择配置端口。

#### 关于此翻译

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