配置VCS和CUCM之間的區域設定

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簡介

本文檔介紹在影片通訊伺服器(VCS)上配置區域設定,以便與思科統一通訊管理器(CUCM)或其他 VCS進行通訊的過程。

必要條件

需求

思科建議您瞭解以下主題:

- VCS
- CUCM

採用元件

本文檔中的資訊基於VCS。

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。

設定

要配置區域設定,請執行以下步驟。

步驟1.登入VCS並形成中繼。

步驟2.導覽至Configuration > Zones > Zones,如下圖所示:

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	Status System	Configuration Applications	Users Maintenance		A ?!	Help 😁 Lo	gout
9	Overview	Protocols			You are here:	Status O	rview
	System information	Registration					Ê
>_	System name	Authentication +	×1				
	Up time	Call routing	rs 50 minutes 52 seconds				
A	Software version	Local Zone					
	IPv4 address	Zones	7 19 I AN 2: 20 20 20 2	1			
	IPv6 address	Demoine	Zones				
	Options Descurres usage (last u	Domains	Default Zone access rules	Registrations, 70 TURN Relays, Traversal Server, Encryption, Interworking, Advanced Networking.			
	Resource usage (last u	Unified Communications					
	Traversal calls	Dial plan	1				
?		Bandwidth +	0				
		Traversal	13				
@		Call Policy +	2				
		Since last restart video	5044				
8+		Since last restart audio (SIP) 62				
		License usage current	5%				
		License usage peak	21%				
	Non-traversal calls	Current	4				
		Peak	16				
		Since last restart	29017				
		License usage current	N/A				
		License usage peak	N/A				Ŧ
	https://10.78.23.19/zones	-write System host name: tsbu-blr-	vcsx1 System time: 15:59 IST	Langua	ge: en_US S/N: 52A1503	1 Version:)	(8.1.1

步驟3.選擇 **新。**

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	CISCO Cisco TelePresence Video Communica			nmunicat	ion Server Exp	n Server Expressway					This system has 2 alarms					
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▶_		Name 👻	_	_	_	Туре	Calls	Bandwidth used	H323 status	SIP status	Search rule status	Actions		-	0	
		CUCM Neighbor	DSLO			Neighbor	0	0 kbps	Off	Failed	No <u>search rules</u> configured	View/Ed	it			
*		CUCM Banglore	1			Neighbor	0	0 kbps	Off	Active	No <u>search rules</u> configured	View/Ed	it			
		CUCM Neighbor	BLR			Neighbor	0	0 kbps	Off	Active	Enabled <u>search rules</u> : 1	View/Ed	it			
2		CUCM Neighbor	BLR PUB2			Neighbor	0	0 kbps	Off	Active	No search rules configured	View/Ed	it			
		CUCM Neighbou	r BLR PUB2 R			Neighbor	0	0 kbps	Off	Active	Disabled <u>search rules</u> .	View/Ed	it			
		cucmharshan				Neighbor	0	0 kbps	Off	Active	Enabled <u>search rules</u> : 1	View/Ed	it			
8+		Multiway-SIP				Neighbor	0	0 kbps	Off	Active	Enabled <u>search rules</u> : 1	View/Ed	it		Ţ	
	New	Delete Sel	unselect al	1.												
100 M	Llcor:	admin Access Des	d-write System host	name: tehu-blr-vcc	1 System ti	me: 16:00 IST					Language: on LIS	S/NI 5241	5031 V/	reion: Y	811	

步驟4.相應地更改這些欄位:

名稱:{區域名稱}

Type:鄰居

H.323模式:Off

SIP埠:5060(類似於您在目標CUCM/VCS中提供的埠號)

SIP傳輸:TCP或UDP(如果CUCM支援加密,則為TLS)

	tsbu-blr-vcsx1 - Create zone - Mozilla Firefox O Rohit Mruthyunjaya × WebHome < Main < TWiki × 🗱	Cisco Codec: - Syst 🗙 📩 tsbu-blr-vcsx1 - Crea 🗙 🗍	÷	En 🕏 🖾 💷 (5:02, 77%) 🖘 4	4:04 PM	⇔ ւաււ	uthyu
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	CISCO Cisco TelePresence Video Commu	nication Server Expressway		This system has 2 alarms	1		
	Status System Configuration Applications Us	sers Maintenance		A	? Help	Cog Log	out
	Create zone			You are here: Configuration > Zones	Zones	Create	zone
>	Configuration Name Type	CUCM_Neighbor_BLR_PUB2 () Neighbor ; ()					
	Hop count	* 15 (1)					
	H.323						
?	Mode	0ff :					
.	SIP						
Σ +	Mode	On :					
	Port	* 5060					
	Transport	TCP :					
	Accept proxied registrations	Allow 2					
	Media encryption mode	Auto 🛟 👔					
	ICE support	Off : Configure TURN servers					
	User: admin Access: Read-write System host name: tsbu-blr-vcsx1 Sy	rstem tme: 16:04 IST		Language: en_US S/N: 52A	15031 Ver	sion: X8	3.1.1

步驟5. 選擇Maintenance,將身份驗證策略設定為Treat as authenticated,並提供的目標地址位置 您想要與之形成中繼的。然後,選擇建立區域。

CISCO Cisco TelePresence Video Com	nunication Server Expressway		This system has 2 alarms
Status System Configuration Applications	Users Maintenance		🛓 🧿 <u>Help</u>
Create zone			You are here: Configuration > Zones > Zones > C
Authentication			
Authentication policy	Treat as authenticated 🛟 👔		Specifies the IP address or Fully
SIP authentication trust mode	Off :		Qualified Domain Name (FQDN) o the neighbor.
			If the neighbor zone is a VCS
Location			cluster, this will be one of the peers in that cluster.
Peer 1 address	10.78.23.23		Range: 0 to 255 characters
Peer 2 address			L
Peer 3 address			
Peer 4 address			
Peer 5 address			
Peer 6 address			
Advanced			
Zone profile	Default \$	i)	

步驟6.導航到**配置>撥號計畫>搜尋規則**。

	tsbu-blr-vcsx1 - Overview	w - Mozilla Firefox			👳 📻 🕏 🖂 💷 (4:42, 74%) 🐗 4:13 PM 🔱 rmruthyu
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	Status System	Configuration Applications	Users Maintenance		🛕 🥑 Help 🞯 Logout
9	Overview	Protocols			You are here: Status • Overview
	System information	Registration			Ê
>_	System name	Authentication	sx1		
	Up time	Call routing	urs 6 minutes 48 seconds		
A	Software version	Local Zone			
	IPv4 address	Zones	23.19 LAN 2: 20.20.20.2		
	IPv6 address	Domoine	20:5503:2012::10		Congress and the second s
	Options Recourse usage (last up	Domains	al Calls, 100 Traversal Calls, 2500	Registrations, 70 TURN Relays, Traversal Server, Encryption, Interworkin	ng, Advanced Networking.
	Resource usage (last u	Unified Communications >			
	Traversal calls	Dial plan	Configuration		
?		Bandwidth +	Transforms		
		Traversal	Search rules		
@		Call Policy +	Policy services		
		Since last restart video	5044		
8+		Since last restart audio (SIP) 62		
		License usage peak	21%		
	Non-traversal calls	Current	2		
		Peak	16		
		Since last restart	29026		
-		License usage current	N/A		
		License usage peak	N/A		
	https://10.78.23.19/search	rules System host name: tsbu-blr-	vcsx1 System time: 16:13 IST		Language: en_US S/N: 52A15031 Version: X8.1.1

步驟7.選擇**New**。

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	Sta	tilili. cisco	Cisco TelePresence Video Communica	ation Se	ion Server Expressway							This system has 2 alarms	C Logout
9	Se	earch ru	les								You	are here: Configuration • Dial plan •	Search rules
P _		Priority	r √Rule name	Protocol	Source	Authentication required	Mode	Pattern type	Pattern string	Pattern behavior	On match	Target	State
		1	LocalZoneMatch	Any	Any	No	Any alias				Continue	LocalZone	Enabled
A		1	Route VCS calls to CUCM Neighbour BLR PUB2 R	Any	Any	No	pattern match	Regex	(3\d{3})@10.78.23.19(.*)	Replace	Stop	CUCM Neighbour BLR PUB2 R	× Disabled
2		<u>40</u>	Route VCS call to CUCM(21)	SIP	Any	No	pattern match Alias	Regex	(3\d{3})@10.78.23.19(.*)	Replace	Stop	(unconfigured)	Enabled
		<u>40</u>	Route VCS Calls to CUCM BLR	Any	Any	No	pattern match Alias	Regex	(3\d{3})@10.78.23.19(.*)	Replace	Stop	CUCM Neighbor BLR	Enabled
?		<u>40</u>	CUCM to registered devices(VCS_BLR)	Any	Any	No	pattern match Alias	Regex	(.*)@10.78.23.19((: ;).*)?	Replace	Stop	LocalZone	X Disabled
60	C	<u>40</u>	Route VCS call to CUCM(23)	Any	Any	No	pattern match Alias	Regex	(3\d{3})@10.78.23.19(.*)	Replace	Stop	<u>cucmharshan</u>	Enabled
Q+		48	H323 Calls to MCU	Any	Any	No	pattern match Alias	Regex	(55577\d+)@indiaqalab.com	Replace	Continue	LocalZone	Enabled
0	1	48	SIP Calls to MCU	Anv	Anv	No	pattern	Reaex	555(77\d+@indiagalab.com)	Replace	Continue	Multiwav-SIP	
5	N	Delet	te Enable Disable Select all Unselect all						Se	earch rules a	re applied i	in priority order, with 1 being the high	est priority
		Related tas	ks										
-		Perform a te	est search for an alias										
	(()	
	Us	er: admin Ad	ccess: Read-write System host name: tsbu-blr-vcsx1 System	n time: 16:1	5 IST						L	anguage: en_US S/N: 52A15031 Ve	rsion: X8.1.1

步驟8.相應地輸入這些欄位的值,並在完成後選擇**儲存**。

規則名稱:{名稱}

說明:{說明}

優先順序機制:2

模式:別名模式匹配

模式型別:正規表示式

模式字串:{與目標URI模式匹配的regex模式}

模式行為: 替換

替換字串:{必須將模式替換為}的字串

成功匹配時:停止

目標:{選擇您在步驟4和5中建立的路徑}

狀態:已啟用

	tsbu-blr-vcsx1 - Edit search rule - Mozilla Firefox I Rohit Mruthyunjaya × WebHome < Main < TWiki × 🚟 Cisco Codec:	- Syst 🗙 tsbu-blr-vcsx 1 - Edit 🗙 🕂	्र 🖬 🖇 🖾 💷)(4:	17, 73%) ∜ ×	4:20 PM	¢rm	iruthyu
0	♦ https://10.78.23.19/editrule?id=8		▼ C Google	Q 🗘 🖻	+ 1	9 1	≡
	CISCO Cisco TelePresence Video Communication Se	rver Expressway	This system	m has 2 alarms			
	Status System Configuration Applications Users Mainte	enance		<u> </u>	(?) Help	. <u><u>e</u> Lo</u>	gout
	Edit search rule		You are here: Configuration Dia	al plan • Search	rules • E	dit sear	ch rule
>_	Configuration						
	Rule name * Route VC	S call to CUCM(23)					
A	Description Trunk bet	ween 19 and 23.					
1	Priority * 2						
	Protocol Any :						
	Source	: (1)					
	Request must be authenticated	(i)					
	Mode Alias pat	tern match					
ക്ര	Pattern tyne Penev						
		10.78.02.10(1)					
8+	Pattern string	10.78.23.19(.*)	<i>,</i>				
	Pattern behavior Replace	<u>:</u>					
	Replace string	3.23.23					
	On successful match Stop	•					
	Target CUCM_N	leighbor_BLR_PUB2 🛟 👔					
-	State Enabled	:					
-							
	User: admin Access: Read-write System host name: tsbu-blr-vcsx1 System time: 16:20) IST	Language: e	en_US S/N: 52/	15031 V	ersion:)	(8.1.1

一旦為中繼的該端完成配置,即可呼叫註冊到目標CUCM/VCS的終端。

驗證

目前沒有適用於此組態的驗證程序。

疑難排解

目前尚無適用於此組態的具體疑難排解資訊。