為裝置的Webex Edge配置裝置自註冊和雲連結

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簡介

本檔案介紹如何設定「Webex Edge for Devices」功能,將內部裝置連結到Cisco Webex雲服務。

必要條件

需求

思科建議您瞭解以下主題:

- 思科視訊裝置知識
- CUCM知識
- 控制中心知識

採用元件

本文中的資訊係根據以下軟體和硬體版本:

- 軟體版本CE9.15或更高版本和會議室作業系統
- Unified CM版本11.5(1)SU3或12.5(1)及更高版本。如果您有12.0(1)版,請按照Expressway註 冊裝置所描述的方法操作。

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

請注意,本檔案所提供的資訊有特定要求:

- 需要支援強加密的CE軟體。
- 對於SX和MX系列,可以請求獲取加密金鑰,除非思科限制匯出加密。請聯絡您的思科許可代 表獲取金鑰。
- Expressway裝置聯結器工具的裝置上需要HTTPS連線。
- 控制中心管理員訪問許可權是必需的。
- 需要思科合作彈性方案。
- 必須使用Cisco Webex裝置聯結器(WDC)。
- 必須允許*.identrust.com進行證書驗證。
- 對於主機板、案頭和會議室系列裝置,加密金鑰是預先安裝的,以後不能新增。DX70和 DX80裝置預設使用加密金鑰。
- 需要Unified CM或Expressway註冊。

防火牆埠和配置

即使媒體沒有通過Webex雲(除非啟用Webex最佳化體驗),您仍然需要啟用適用於完全雲註冊裝 置的相同防火牆配置。閱讀有關Webex服務的網路要求文章中介質和網路要求的詳細資訊。 限制

在通過Webex Edge for Devices連結的裝置上啟用混合日曆時,它會禁用該裝置上的TMS日曆,因 為一次僅支援一個日曆源。

當您首次將裝置連結到Webex Edge for Devices時,它們被註冊為共用模式裝置。連結裝置後,可 以將裝置與使用者關聯。

防火牆配置:<u>https://help.webex.com/en-us/article/WBX000028782/Network-Requirements-for-</u> Webex-Services#id 134132

設定

從控制中心下載Cisco WDC並進行安裝。 或者,若要將板載和/或本地裝置連結到Webex雲,請從 Webex控制中心下載WDC案頭應用程式或使用以下連結之一:

- 適用於Mac的Cisco WDC應用程式
 - : https://binaries.webex.com/devicetoolbinariesuploadproductionstablemacaws/devicestool.pkg
- 適用於Windows的Cisco WDC應用程式
 - : https://binaries.webex.com/devicetoolbinariesuploadproductionstablewindowsaws/devicestool.msi

在<u>https://admin.webex.com</u>的使用者檢視中,導航至 Devices 並選取 Resources 以找到裝置聯結器工具 的連結。



在電腦(Windows或Mac)上安裝WDC裝置聯結器。

🙀 Cisco Webex Device Conr	nector Setup	🕼 Cisco Webex Device Connector Setup	🞼 Fisco Webex Device Connector Setun
	Welcome to the Cisco Webex Device Connector Setup Wizard	End-User License Agreement Please read the following license agreement carefully	Destination Folder Click Next to install to the default folder or click Change to choose another.
	The Setup Witcard will instal Cisco Webex Device Connector on your computer. Click Next to continue or Cancel to exit the Setup Witcard.	CISCO SYSTEMS, INC. LICENSE AGREEMENT (AS AFPLICABLE TO THE PARTICULAR DOWNLOAD) IMFORTANT NOTICE-PLEASE READ PRIOR TO USING THIS SOFTWARE: Tais income agreement ("Licena Agreement") is a logi agreement between you (either us individual or an early) and Garo Systems, Inc. and its affiliative ("Caro") for the use of this Cusco orforwar (rech software, to give the underlying documentation if made sould be to you, the "Software". Die Viching on the butters containing the " accept" language, by installing the Software or by otherwise using the Software, you use to bound by the terms of thal Lones Agreement. IF YOU DO NOT, ADREE	Install Cisco Webex Device Connector to: C:(frogram Files)Cisco Webex Device Connector) Change
uluili. cisco		CONTAINING THE TOO NOT ACCEPT LANGUAGE AND DO NOT	
	Bock Next Cancel	Print Back Next Cancel	Back Next Cancel

🙀 Cisco Webex Device Connector Setup		[🙀 Cisco Webex Device Conne	ector Setup
Ready to install Cisco Webex Device Connector				Completed the Cisco Webex Device
Click Install to begin the installation. Click Back to review or change any of your installation settings. Click Cancel to exit the wizard.				Click the Finish button to exit the Setup Wizard.
	5			
			cisco	
<u>B</u> ack Install	Cancel			Back Finish Cancel

安裝裝置聯結器工具後,您需要使用控制中心使用者名稱和密碼登入到Webex裝置聯結器。



Welcome to the Webex Device Connector

admin@ha	rshgow.wbx.ai	
	Sign in	
	Remember me	
選擇 I want cloud features for my on-p Communications Manager 如下圖所:	remises registered devices 然後按一下 Link d 示。	levices registered with Cisco Unified
🚭 Cisco Webex Device Connector		X
	What would you like help with?	? 🕺 🗞
I want to register multiple devices to the	the I want cloud features for my on-premises	I want to add on-premises calling to my
cloud	registered devices	cloud registered devices
Cloud Onboarding allows you to regis multiple Cisco collaboration devices to cloud	tter Webex Edge for Devices adds Webex cloud capabilities while keeping your current on premises call flows	Hybrid Calling for Cisco collaboration devices provides Unified CM on-premises calling capabilities to cloud-registered devices
Documentation C	Documentation 🗅	Documentation L3

閱讀要求綠色框並選擇從CUCM拉出裝置。



輸入您的Unified CM的主機、使用者名稱(標準AXL API訪問使用者名稱)和密碼,然後按一下 _{Connect} .如果您的Unified CM帶有公開簽名的證書,請確保這些證書有效,或者按一下 Proceed 無證書 驗證。

裝置聯結器檢索Unified CM配置的裝置的名稱和說明。「聯絡資訊名稱」(Contact Info Name)將成 為裝置所連線的工作區的名稱。如果未設定聯絡資訊名稱,則使用系統裝置名稱或MAC地址。

🚭 Fisco Webex Device For	nector				_ [□] X
	Configure Webex Edge for Devices	ł 🔊	8	G	
	Connect to Cisco Unified Communications Manager Host *				
<	10.10: 0.38 Username (Standard AXL API Access) * appuser Password *				
	Connect without certificate validation Failed to connect to Unified CM: The certificate validation failed. We recommend that you add your own certificates to the C:\Users\Administrator\.webexdeviceconnector\certs directory in Base-64 encoded X.509 (.CER) format. Alternatively, you can				

連線到CUCM後,所有裝置資訊現在由CUCM中的Webex裝置聯結器提取並準備連結。

ebex Device Connector				
	Configure	Webex Edge for Devices	\$\$ <mark>7</mark> (8
	Connected to 10.100	Connect to differe	nt Unified CM	
Search for devices		9 Devices 1 Linked 8	Ready to link 🛛 0 Needs attention 🕚 0	Link faile
Name	Description	Туре	Link all	
SEPA46C2AB0103C	SEPA46C2AB0103C	Cisco TelePresence MX800	Link	
SEPE4C722646992	SEPE4C722646992	Cisco TelePresence SX10	Link	
SEP84B802CD8BE8	SEP84B802CD8BE8	Cisco TelePresence SX10	Link	
SEP7426ACEF086C	SEP7426ACEF086C	Cisco TelePresence DX70	Link	
SEP1C6A7AE094C0	SEP1C6A7AE094C0	Cisco Webex DX80	Link	
SEPF4DBE6C73F2F	SEPF4DBE6C73F2F	Cisco Webex DX80	Link	
SEP0896AD5F4593	SEP0896AD5F4593	Cisco Webex Room Kit	Link	
SEP0896AD5F4588	SEP0896AD5F4593	Cisco Webex Room Kit Plus	Link	

按一下 Link All 以連接列出的所有裝置。要連結單個裝置,請點選 Link 按鈕旁邊。

Device Connector將裝置資訊傳送到Webex組織,Webex身份服務為所有裝置建立啟用代碼。 Unified CM將啟用代碼應用到裝置,並將裝置連結到Webex組織。 當裝置連結到Cisco Webex雲服務時,您可以按一下裝置名稱直接在Control Hub中開啟裝置頁面。

如果裝置顯示 Link Pending,尚未連結。從Unified CM調配啟用碼。系統將嘗試連結至裝置7天,直到 啟用代碼過期。如果裝置在當時可用,則會被連結。

終端特定配置:

終端可以通過CUCM註冊和調配,如下圖所示。

Cisco Webex Local Device Controls		
10.1(· · · · · · :.:	Search	Status / SIP
Desk Pro		Proxy 1
ᢙ Home𝔥 Call	Phonebook	
	Provisioning	Address10.107 001.136StatusActive
	Proximity	
SETUP	RoomAnalytics	Registration 1
Settings	RoomPreset	
△ Users		Reason
0.0	Security	Status Registered
	SIP	URI 9988777@11414

Status / Provisioning

Discovered	None
NextRetry	
Reason	
Server	10.127.201.103
Status	Provisioned
WebexCalling Status	Idle

Configuration / Pr	onfiguration / Provisioning						
CUCM CallManagemen	tRecords Ca	IDiagnostics () Enabled	~				
LoginName	(i)	appadmin		(0 to 80 characters)			
Mode	(i)	CUCM	~				
Password	(j)	•••		(0 to 64 characters)			
TlsVerify	(i)	Off	~				
WebexEdge	i	On	~				

ExternalManager				•
Address	(i)	10.127.1	cucm IP address	(0 to 64 characters)
AlternateAddress	(i)			(0 to 64 characters)
Domain	i			(0 to 64 characters)
Path	(j)			(0 to 255 characters)
Protocol	(j)	НТТР	~	

一旦您準備好連結裝置。按一下 Link 本機上複製組態。如果裝置連結成功,則Webex裝置聯結器 上的裝置狀態更改為 Linked 綠色的。

SEPC014FE7B7B50 C	SEPC014FE7B7B50	Cisco Webex Desk Pro	⊘ Linked

在端點上,將後邊緣連線建立到控制中心,如下圖所示。

Cisco Webex Local Device Controls			Q Find page Ø
10.555 Desk Pro	System Informat	tion	
☆ Home	General		Issues
🗞 Call	10.101211100 IPv4	C0:14:FE:7B:7B:50 MAC Address	🛆 I am flying on Cloud
ETUP			View More
Settings	IPv6		
⊔ Users כפcurity	FOC2427NF4L Serial Number	Sthernet Active Interface	Provisioning
USTOMIZATION	Normal Temperature		Cisco UCM (© 10.1 - / 2.1 1 ··· Provisioning Model SIP Proxy
Personalization UI Extensions Editor	9988777@10.127.234.1 SIP URI	36	Webex Edge for Devices Image: Webex Edge for Devices • Registered

如何升級Webex Device Connector?

您的Webex裝置聯結器收到來自雲的推送軟體升級。如果收到通知,建議您升級聯結器。

Cisco Webex Device Connector					_ 🗆 ×
	Configure	Webex Edge for Devices		\$ ® G	
	Connected to 10.127.201.103	C 🖑 Refresh List 🕣 Connect to differ	rent Unified CM	A new software version is available: 1.1.368. Current: 1.1.359	
Search for devices		1 Devices • 1 Linked • 0	Ready to link 🛛 🔴 0	View Release Notes 🛙 Update	d
Name	Description	Туре			
SEPC014EE787850 (*	SEPVikduttaisbest	Cisco Webex Desk Pro	Uinked	Configure HTTP proxy	-
			0 2	🛆 Report an issue	-
				Enable debug logging	
				Connect to FedRAMP	
				Read documentation L	

按一下 Update 下載開始。下載完成後,您需要再次安裝新聯結器。選擇 Link devices registered on CUCM. 在插入後,插入CUCM IP/使用者名稱/密碼以拉取所有裝置(如本文檔前面所述)。

聯結器現在已成功升級,如下圖所示。

	1 A	an Garrenne da karta arreda kila 👘 👘 👘		
ebex Device Connector				
	Configure	Webex Edge for Devices	•	a 🛛
	Connected to 10.127 214 12	℃ ⑦ Refresh List ⑦ Connect to diffe	rent Unified CM	ading software ↓
Search for devices		1 Devices • 1 Linked • 0	Ready to link • 0	ersion 1.1.368
Name	Description	Туре	Dov	vnloading Cancel
SEPC014FE7B7B50 @	SEPVikduttaisbest	Cisco Webex Desk Pro	⊘ Linked	
			🛜 Confi	gure HTTP proxy
			🛆 Repo	rt an issue
			Enabl	e debug logging
			Conne	ect to FedRAMP
			🕒 Read	documentation

		A wave Circles and the is an all the			
Cisco Webex Device Connector					
	🔊 🛞				
	Complete upgrade				
Search for devices	侵 Cisco Webex Device Conn	ector Setup	0 Ready to link • 0	The new software is downloaded and the installer automatically started. The application will restart after the upgrade.	I
SEPC014FE7B7B50 C			0.000	Configure HTTP proxy	
		The Setup Wizard will install Cisco Webex Device Connector on your computer. Click Next to continue or Cancel to exit the Setup Wizard.	Cinked		
				🛆 Report an issue	
				Enable debug logging	
				Connect to FedRAMP	
				🗅 Read documentation 🖄	
	.ili.ili. cisco				
		Back Next Cancel			

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。

關於此翻譯

思科已使用電腦和人工技術翻譯本文件,讓全世界的使用者能夠以自己的語言理解支援內容。請注 意,即使是最佳機器翻譯,也不如專業譯者翻譯的內容準確。Cisco Systems, Inc. 對這些翻譯的準 確度概不負責,並建議一律查看原始英文文件(提供連結)。