为设备的Webex Edge配置设备自注册和云链接

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简介

本文档介绍如何配置"Webex Edge for Devices"功能,将内部设备链接到Cisco Webex云服务。

先决条件

要求

Cisco 建议您了解以下主题:

- 思科视频设备知识
- CUCM知识
- 控制中心知识

使用的组件

本文档中的信息基于以下软件和硬件版本:

- 软件版本CE9.15或更高版本和会议室操作系统
- Unified CM 11.5(1)SU3或12.5(1)及更高版本。如果您有12.0(1)版本,请按照Expressway注册 设备所描述的方法操作。

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

请注意,本文档中提供的信息具有某些要求:

- 需要支持强加密的CE软件。
- 对于SX和MX系列,可以请求获取加密密钥,但思科限制导出加密的国家除外。请联系您的思 科许可代表获取密钥。
- Expressway设备连接器工具在设备上需要HTTPS连接。
- 控制中心管理员访问权限是必需的。
- 需要思科协作弹性计划。
- 必须使用Cisco Webex设备连接器(WDC)。
- 必须允许*.identrust.com进行证书验证。
- 对于主板、桌面和房间系列设备,加密密钥是预安装的,以后不能添加。DX70和DX80设备默 认提供加密密钥。
- 需要Unified CM或Expressway注册。

防火墙端口和配置

即使媒体不通过Webex云(除非启用Webex优化体验),您仍需要启用适用于完全云注册设备的相 同防火墙配置。阅读"Webex服务的网络要求"一文中有关介质和网络要求的详细信息。 限制

当您在通过Webex Edge for Devices链接的设备上启用混合日历时,它会禁用该设备上的TMS日历 ,因为一次仅支持一个日历源。

首次将设备链接到Webex Edge for Devices时,它们已注册为共享模式设备。在链接设备后,可以 将设备与用户关联。

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

配置

从控制中心下载Cisco WDC并进行安装。 或者,为了将板载和/或本地设备链接到Webex云,请从 Webex Control Hub下载WDC桌面应用或使用以下链接之一:

- 适用于Mac的思科WDC应用
 - : https://binaries.webex.com/devicetoolbinariesuploadproductionstablemacaws/devicestool.pkg
- 适用于Windows的思科WDC应用
 - : https://binaries.webex.com/devicetoolbinariesuploadproductionstablewindowsaws/devicestool.msi

从<u>https://admin.webex.com</u>中的用户视图,导航至 Devices 并选择 Resources 以找到设备连接器工具的 链接。



在计算机(Windows或Mac)上安装WDC设备连接器。

😥 Cisco Webex Device Conn	ector Setup	🕲 Cisco Webex Device Connector Setup	
	Welcome to the Cisco Webex Device Connector Setup Wizard	End-User License Agreement Please read the following license agreement, carefully Click Next to install to the default folder or click Change to choose another.	_
	The Setup Woard will install Cisco Webex: Device Connector on your computer . Citck Next to continue or Cancel to exit the Setup Wizard.	CISCO SYSTEMS, INC. LICENSE AGREEMENT (AS APPLICABLE TO THE ARTICULAR DOWNLOAD) IMPORTANT NOTICE. PLEASE READ PRIOR TO USING THIS SOFTWARE:	
	4	This loces agreement ('Locese Agreement') is a logid agreement between you (either to individual or an entity) and Cloco Systems (in each at affiliates for Cloco Y for the use of this Cloco software (such software). By clicking on the button constituing the "I accept" language, by instituting the Software you the Software, you	
		ages to be bound by the terms of this License Agreement. IF YOU DO NOT AGREE TO THE TERMS OF THIS LICENSE AGREEMENT, CLICK ON THE BUTTON CONTAINING THE I DO NOT ACCEPT' LANOUAGE AND DO NOT	
	Back 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

安装设备连接器工具后,您需要使用控制中心用户名和密码登录到Webex设备连接器。



Welcome to the Webex Device Connector

i	admin@harshgow.wbx.ai	
n	Sign in	
ber me	Remember me	

选择 I want cloud features for my on-premises registered devices 并点击 Link devices registered with Cisco Unified Communications Manager 如图所示.

Sisco Webex Device Connector		
	What would you like help with?	? 🕺 🕸 🖗
I want to register multiple devices to the cloud	I want cloud features for my on-premises registered devices	I want to add on-premises calling to my cloud registered devices
Cloud Onboarding allows you to register multiple Cisco collaboration devices to the cloud	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 C	Documentation C

阅读要求绿色框并选择从CUCM拉出设备。



输入您的Unified CM的主机、用户名(标准AXL API访问用户名)和密码,然后点击 Connect .如果您的Unified CM带有公开签名的证书,请确保这些证书有效,或者单击 Proceed 无证书验证。

设备连接器检索已配置Unified CM的设备的名称和说明。Contact Info Name将成为设备连接的工作 区的名称。如果未设置"联系信息名称",则使用系统单位名称或MAC地址。

🚭 Cisco Webex Device Co	nnector			
	Configure Webex Edge for Devices	()	8	ଜ
	Connect to Cisco Unified Communications Manager			
<	Username (Standard AXL API Access) * appuser Becouverd *			
	Password *			
	Connect without certificate validation			
	C:\Users\Administrator\.webexdeviceconnector\certs directory in Base-64 encoded X.509 (.CER) format. Alternatively, you can proceed without validation.			

连接到CUCM后,所有设备信息现在都通过Webex设备连接器从CUCM提取并准备链接。

ebex Device Connector				
	Configure	Webex Edge for Devices	\$\$ <mark>7</mark> (8 බ
	Connected to 10.100 1	3 [™] Refresh List [⊕] Connect to differen	nt Unified CM	
Search for devices		9 Devices 1 Linked 8 R	teady 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	

点击 Link All 以链接列出的所有设备。要链接单个设备,请点击 Link 按钮的旁边。

设备连接器将设备信息发送到Webex组织,Webex身份服务为所有设备创建激活代码。Unified CM将激活代码应用到设备,设备链接到Webex组织。

当设备链接到Cisco Webex云服务时,您可以点击设备名称直接在Control Hub中打开设备页面。

如果设备显示 Link Pending,尚未链接。激活代码从Unified CM调配。系统尝试链接到设备7天,直到 激活代码过期。如果设备当时可用,则会被链接。

终端特定配置:

终端可以通过CUCM注册和调配,如下图所示。

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

Status / Provisioning

Discovered	None
NextRetry	
Reason	
Server	10.127.201.103
Status	Provisioned
WebexCalling Status	Idle

Configuration / P	rovisionin	g		Collapse All Expand All
CUCM CallManageme	ntRecords Ca	IDiagnostics () Enabled	~	
LoginName	(i)	appadmin		(0 to 80 characters)
Mode	i	CUCM	~	
Password	(i)	•••		(0 to 64 characters)
TIsVerify	i	Off	~	
WebexEdge	(i)	On	~	
webexLage	(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	i			(0 to 255 characters)
Protocol	i	НТТР	~	

一旦您准备好连接设备。点击 Link 设备。如果设备链接成功,则Webex设备连接器上的设备状态 更改为 Linked 绿色的。

SEPC014FE7B7B50 C	SEPC014FE7B7B50	Cisco Webex Desk Pro	⊘ Linked

在终端上,后边缘连接将建立至控制集线器,如图所示。

Cisco Webex Local Device Controls			Q Find page ③
10.111.111 Desk Pro	System Informat	ion	
分 Home	General		Issues
% Call	10.101211100 IPv4	C0:14:FE:7B:7B:50 MAC Address	🛆 I am flying on Cloud
SETUP	- IPv6		View More
A Users	FOC2427NF4L Serial Number	<mark>8%</mark> Ethernet Active Interface	Provisioning
	Normal Temperature		Cisco UCM © 10.1 · / 2.1 1 ··· Provisioning Model SIP Proxy
UI Extensions Editor	9988777@10.127.234.1 SIP URI	36	Webex Edge for Devices Oetails Details

如何升级Webex Device Connector?

您的Webex设备连接器收到来自云的推送软件升级。如果您收到通知,建议升级连接器。

	· · · · · · · · · · · · · · · · · · ·	er en ante de la construide de			
Cisco Webex Device Connector					_ 🗆 🗵
	Configure Webex Edge for Devices			\$\$ @ G	
	Connected to 10.127.221.552	Connect to differ	ent 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	Type			
SEPC014FE7B7B50 C	SEPVikduttaisbest	Cisco Webex Desk Pro	⊘ Linked	Configure HTTP proxy	-
_				🛆 Report an issue	-
				Enable debug logging	
				Connect to FedRAMP	
				Read documentation	

点击 Update 下载开始。下载完成后,您需要再次安装新连接器。选择 Link devices registered on CUCM. 之后,插入CUCM IP/username/Password以调用所有设备(如本文档前面所述)。

连接器现在已成功升级,如图所示。

Webex Device Connector	1	han Garring and a la arrella la la	-*	
	Configure	• Webex Edge for Devices		a 🛛 🕸
	Connected to 10.127 2" 4 10	Connect to differ	rent Unified CM	Downloading software $\underline{\downarrow}$
Search for devices		1 Devices • 1 Linked • 0	Ready to link 🛛 🔵 0	New version 1.1.368 Downloading
Name	Description	Type Osco Webex Desk Pro	() Linked	Cancel
			() Linits	Configure HTTP proxy
				Report an issue
			E	Enable debug logging
			C	Connect to FedRAMP
			C	Read documentation

		A wave Circles and the is an all the			
Cisco Webex Device Connector					
	🔊 🛞				
	Complete upgrade				
Search for devices	@ 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		The Setup Wizard will install Cisco Webex Device Connector on your computer. Click Next to continue or Cancel to exit the Setup Wizard.	0.000	Configure HTTP proxy	
			Cinked		
				🛆 Report an issue	
				Enable debug logging	
				Connect to FedRAMP	
				🗅 Read documentation 🖄	
	 cisco				
		Back Next Cancel			

验证

当前没有可用于此配置的验证过程。

故障排除

目前没有针对此配置的故障排除信息。

关于此翻译

思科采用人工翻译与机器翻译相结合的方式将此文档翻译成不同语言,希望全球的用户都能通过各 自的语言得到支持性的内容。

请注意:即使是最好的机器翻译,其准确度也不及专业翻译人员的水平。

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