通过Web界面和CLI配置示例安装Expressway系 列版本密钥

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简介

本文档介绍通过Web界面和命令行界面(CLI)将版本密钥安装到Cisco Expressway系列设备。

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先决条件

要求

Cisco 建议您了解以下主题:

Expressway安装

已成功安装Expressway并应用了可通过Web界面和或CLI访问的有效IP地址。

已申请并收到对Expressway序列号有效的版本密钥。

通过Web界面或CLI,可以通过根(通过CLI)和管理员帐户访问Expressway。

已从Cisco.com下载Expressway软件升级映像。

注意:安装指南位于:<u>安装和升级指南</u>

使用的组件

本文档中的信息基于以下软件版本:

Expressway版本x8.7.3和x8.8.3

Expressway C x7.X和x8.X版本

Expressway E x7.X和x8.X版本

PuTTY(终端仿真软件)

— 或者,您可以使用任何支持SSH的终端仿真软件,如Secure CRT、TeraTerm等。

PSCP(PuTTY安全复制协议客户端)

— 您可以使用支持SCP的任何客户端。

使用版本密钥或升级密钥许可电子邮件。

Web 浏览器.在本例中,使用Firefox, Internet Explorer和Chrome同样工作。

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。

配置

Web界面版本密钥安装示例

您有两种选择:

选项1,您可以设置释放密钥。

选项2,您可以在升级过程中添加版本密钥。

任一选项都有效,我们先显示set选项,然后显示upgrade选项。

注意:两个选项都需要Expressway重新启动。

选项1显示set选项。

步骤 1:安装Expressway后,您会使用PAK和序列号获得序列号并应用您的版本密钥,然后您会收 到思科许可团队发来的许可证电子邮件,其中可以包含或不能包含版本密钥和选项密钥。

注意:示例电子邮件是VCS的,这是正常的,Expressway系列的电子邮件看起来是相同的。

注意:PAK示例不在本文档的范围内。

电子邮件示例

You have received this email because your email address was provided to Cisco Systems during the Serial Number Lookup process for software license activation key/file. Please read this email carefully and forward it with any attachments to the proper system administrator if you are not the correct person.

System Serial Number Hardware Serial Number MAC Address Service Contract SC End Date	: 0B616767 : 0B616767 : 00000000000 - : -
Software Part Name Tandberg Item No Shipped Version Shipped Version Key Shipped Image URL Upgrade To Upgrade To Key Upgrade To Image URL	: L-VCS-FINDME: : L-VCS-FINDME:VCS - Enable User Policy feature : - : 116341U00-1-1C328745 : - : - : 7513492028475672 : -
Options Cisco Option Name Tandberg Option Name Option Key	:LIC-VCS-300: :116341X300:VCS - add 300 non-traversal calls :116341X300-1-7D03B558
Options Cisco Option Name Tandberg Option Name Option Key	:LIC-VCS-DEVPROV: :116341P00:VCS - Enable Device Provisioning :116341P00-1-1FEB68A1
Options Cisco Option Name Tandberg Option Name Option Key	:LIC-VCS-GW: :116341G00:VCS - Enable GW feature :116341G00-1-96554215

步骤 2:使用Web浏览器访问Expressway的Web界面。使用管理员帐户登录,您将进入 Expressway状态屏幕。

注意:本文档中有些数字故意模糊。

cisco Cisco Ex	presswo	Note: Login brin	gs us to the status screen	n has 6 alarms
Status System Cor	nfiguration Applications	Users Maintenance		👔 🥑 Help. 😔 Logout
Overview				You are here: Status > Overview
🕕 Invalid release key: Re	lease key is missing: the system i	s in demonstration mode and has limi	ted functionality; contact your Cisco support representative to buy your release I	key.
System information				
System name	EXP-Core		Note also, our release key is invalid.	
Up time	6 days 15 hours 7 n	ninutes 51 seconds	·····	
Software version	X8.7.3			
IPv4 address	.117			
Options	1 Rich Media Sessi	ons, Encryption, Interworking, Expres	ssway Series.	
Resource usage (last update	ed: 12:53:04 UTC)			
Rich media session calls	Current video	0		
	Current audio (SIP)	0		
	Peak video	0		
	Peak audio (SIP)	0		
	Since last restart video	0		
	Since last restart audio (SIP)	0		
Rich media sessions	License usage current	0%		
	License usage peak	0%		

User: admin Access: Read-write System host name: VCS-C System time: 12:56 UTC

Language: en_US S/N: 0DE16F47 Version: X8.7.3

步骤 3: 导航至适当的屏幕以安装您的版本密钥。将鼠标悬停在维护选项卡上。

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CISCO	Cisco Expressway-C

Status System Config	guration Applications	Users Maintenance	Click on Maintenance	👗 🕐 Help. 🥯 Logout
Overview				You are here: Status > Overview
Invalid release key: Relea	se key is missing: the system is	in demonstration mode and has lim	nited functionality; contact your Cisco support represent	tative to buy your release key.
System information				
System name	EXP-Core			
Up time	6 days 15 hours 7 m	inutes 51 seconds		
Software version	X8.7.3			
IPv4 address	117			
Options	1 Rich Media Sessio	ns, Encryption, Interworking, Expre	essway Series.	
Resource usage (last updated:	12:53:04 UTC)			
Rich media session calls	Current video	0		
	Current audio (SIP)	0		
	Peak video	0		
	Peak audio (SIP)	0		
	Since last restart video	0		
	Since last restart audio (SIP)	0		
Rich media sessions	License usage current	0%		
	License usage peak	0%		

User: admin Access: Read-write System host name: VCS-C System time: 13:06 UTC

Language: en_US S/N: DE16F47 Version: X8.7.3

步骤 4 : 弹出菜单后,单击"选项**键"。**

CISCO Cisco Ex	xpressway-C			This system has 6 alarms
Status System Co	onfiguration Applications	Users	Maintenance	🛓 🕐 Help. 🞯 Logout
Overview			Upgrade	You are here: <u>Status</u> + Overview
Invalid release key: R	Release key is missing: the system is	s in demonst	Logging	tionality; contact your Cisco support representative to buy your release key.
System information System name	System information			Click on Option Keys
Up time	6 days 15 hours 7 n	ninutes 51 se	Security certificates	
Software version	X8.7.3		Backup and restore	
IPv4 address	.117	_	Diagnostics .	
Options Descurres users (last unde	1 Rich Media Session	ons, Encrypti	Maintenance mode	eries.
Resource usage (last upda	aed. 12.55.04 01C)		Language	
Rich media session calls	Current video	0	Restart options	
	Current audio (SIP) Reak video	0		
	Peak audio (SIP)	0		
	Since last restart video	0		
	Since last restart audio (SIP)	0		
Rich media sessions	License usage current	0%		
	License usage peak	0%		

User: admin Access: Read-write System host name: VCS-C System time: 13:12 UTC

Language: en_US S/N: 0DE16F47 Version: X8.7.3

步骤 5:观察**Release key部**分,如果这是新安装,则有一个空白的Release key字段。另一个 **Expressway安装的Release key字段**已预填充当前版本密钥值。在这种情况下,**使用**升级选项设置 版本密钥。

注意:版本密钥在次要版本升级之间不会更改。版本密钥仅在主要版本升级(如x7.X到 x8.X)之间更改。

将您的版本密钥复制并粘贴到"版**本密钥**"字段:

us System Configuration	Applications	Users	Maintenance			🔺 🕐 <u>Help</u>
tion keys						You are here: Maintenance • C
Invalid release key: Release key is	missing: the systen	n is in demor	stration mode and has limited	inctionality; contact yo	ur Cisco support representati	ve to buy your release key.
Key 🔻			Description		Status	The 16-character release key for
ete Select all Unselect all			Expressway Series		Active	this software. Warning: if this is invalid the system will run with restricted functionality.
rstem information						Range: must be exactly 16 characters
rial number		0DE	16F47			
tive options		1 Ri	ch Media Sessions, Encryption	Interworking, Express	way Series.	
oftware option						
ld option key						
1 option					Note the Release Ke Series Device. This fie key is already installe Copy your ne	y field is blank if a new Expressway Id may be pre-populated if a release d or upgrading from a prior version. w release key into this field.
lease key						
lease key			-			
release key						

步骤 6:您可以看到粘贴到"释放密钥"(Release key)字**段的释放**密钥。

ababa	
CISCO	Cisco Expresswa

CIS	CO Ciso	o Expresswa	y-C						This system has 6 ala	arms
Status	System	Configuration	Applications	Users	Maintenance				-	👔 🕜 Help. 😁 Logout
Option	n keys								You are here	Maintenance • Option key
🛃 In	valid release l	(ey: Release key is	missing: the syste	em is in demor	nstration mode and has limited	functionality; con	act your Cisco supp	ort representative to buy	y your release key.	
_	Key 🔻				Description			Status	Validity period	
	116341E00-1-	2B872ED6			Expressway Series			Active	Unlimited	
Delete	Select all	Unselect all								
Syster	m information									
Serial	number			ODE	E16F47					
Active	options			1 R	ich Media Sessions, Encryptic	on, Interworking, E	xpressway Series.			
Softwa	are option									
Add op	otion key					(j)				
Add opt	tion					, I	ere I've pasted in received for th	the Release Key I s Expressway		
Releas	se key								_	
Releas	ie key		,	780	00812430795357					
Set rele	ase key									
Current	licenses			_						
Traversa	al calls			1						
Jser: adr	nin Access: Re	ad-write System ho	st name: VCS-C	System time: 1	13:28 UTC				Language: en_US S/N:	0DE16F47 Version: X8.7.3

步骤 7:单击"Set release key(设置释放密钥)"。

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CISCO	Cisco Expressway-C

	013	SO EXPRESSIVA	-0					This system has 6 alar	ms
Status	System	Configuration	Applications	Users	Maintenance				🥈 🕐 Help. 😔 Logout
Optio	n keys							You are here:	Maintenance • Option key
e In	valid release	key : Release key is	missing: the systen	n is in demo	nstration mode and has limite	d functionality; contact your C	isco support representative	to buy your release key.	
	Key 🔻			_	Description		Status	Validity period	
	116341E00-1-	2B872ED6			Expressway Serie	is	Active	Unlimited	
Delete	Select all	Unselect all							
Susta	ninformation								
Syster	n mormation								
Serial	number			ODE	E16F47	_			
Active	options			1 R	ich Media Sessions, Encrypt	ion, Interworking, Expressway	Series.		
Softwa	are option								
Add op	tion key								
Add opl	ion								
Data									
Releas	е кеу								
Releas	e key			780	00812430795357				
Sat rala	ana kaw					ו			
Set rele	ase key			Click Se	release key				
						J			
Current	licenses	_		_					
Traversa	I calls			1					
Liser adr	nin Access: R	ad-write Sustem ho	t name: VCS-C St	stem time: 1	13:32 LITC			Language: en LIS S/M- 0	DE16E47 Version: X8.7.3

步骤 8::单击页面顶部提示符中的restart 超链接以重新启动Expressway。

Cisco Expressway-C

			This system has 6 alarms
Status System Configuration Applicat	ions Users Maintenance		👗 🕜 Help. 🮯 Logo
Option keys Saved: The release key has been updated, how Invalid release key: Release key is missing: the	ever a restart is required for it to take effect.	Notice how a message comes u need to restart. Click on the f hyperlink and follow the steps fr Once rebooted, the key will be contact your Cisco support representative to	P saying I Restart om there. installed.
Key -	Description	Status	Validity period
116341E00-1-2B872ED6	Expressway Series	Active	Unlimited
Delete Select all Unselect all			
System information			
Serial number	0DE16F47		
Active options	1 Rich Media Sessions, Encryption, Interworkin	g, Expressway Series.	
Software option			
Add option key			
Add option			
Release key			
Release key	7800812430795357		
Set release key			
Current licenses			
ser: admin Access: Read-write System host name: VC	S-C System time: 13:36 UTC		Language: en_US S/N: 0DE16F47 Version: X8.7

选项二:**升级**选项以安装版本密钥

步骤 1:在Web界面中,按前**样单**击Maintenance,然后**在**菜单弹出窗口中单击Upgrade。

CISCO Cisco Expressway-C		This system has 5 alarms
Status System Configuration Applications Users	Maintenance	A 3 Help. 🕑 Logout
Upgrade	Upgrade	You are here: Maintenance • Upgrad
Component 👻	Logging	Release key
B2BUA Presence Relay	Option keys	
B2BUA Service	Tools +	
c_mgmt	Security certificates	Click on Maintenance Tab>Upgrade
collectdsupport	Backup and restore	
oaksupport	Discussion	
stringencoderssupport	Diagnostics	7000040400705257
System platform	Maintenance mode	/ 8008 12430/30557
Actives	Language	
xcpsupport	Restart options	
Upgrade component WARNING: You should backup the system before upgrading. Select file B	tem backup rowse No file selected.	() ()

Upgrade

https://1 117/upgrade System host name: VCS-C System time: 13:48 UTC

Language: en_US S/N: 0DE16F47 Version: X8.7.3

步骤 2:在"升**级"**屏幕上,您会看到"升**级组件**"部分。

注意:本文档假设您已将Expressway软件升级映像下载到本地计算机。

单击**Browse**以找到下载的Expressway升级映像:



		This system has 6 alarms	
Status System Configuration Applications	Users Maintenance	2 3 E	lelp 🥶 Logout
Upgrade		You are here: Maint	enance • Upgrade
Component 💌	Version	Release key	-
B2BUA Presence Relay	1.0-oak-v8.7.3-rc-2		*
B2BUA Service	1.0-oak-v8.7.3-rc-2		
c_mgmt	8.6-1.0.321052		
collectdsupport	5368		
oaksupport	5368		
stringencoderssupport	5368		
System platform	×8.7.3	7800812430795357	
traffic_server	5368		
xcp-vcs	1.0-oak-v8.7.3-rc-2		
xcpsupport	5368		-
Upgrade component WARNING: You should backup the system before upgradin Select file Upgrade	g. System backup Browse No file selected.	Click Browse to locate your upgrade software on your local machine and then upload.	

User: admin Access: Read-write System host name: VCS-C System time: 13:53 UTC

Language: en_US S/N: 0DE16F47 Version: X8.7.3

步骤 3:出现提示时,在Release key字段**中输**入释放密钥值。从邮件中复制并粘贴,或者如果这是 次要升级,例如x8.7.3到x8.8.3,则从同一屏幕复制并粘贴。



User: admin Access: Read-write System host name: VCS-C System time: 13:58 UTC

Language: en_US S/N: 0DE16F47 Version: X8.7.3

步骤 4:单击"**升级**"按钮。请观察后面的流程,不要离开该流程,或者必须重新开始。上传映像,然 后安装映像。出现提示**时单击**"restart(重新启动)"。

grade You are here: Maintenance + I mponent ▼ Version Release key BUA Presence Relay 1.0-oak+8 7.3-rc-2 Information BUA Service 1.0-oak+8 7.3-rc-2 optit 8 6+10.321052 The 16-character release key for the new software version. This is not required if you are upgrading to a dot release. for example from 1.0 to 1.1. support 5388 support 5388 upgencoderssupport 5388 vcs 1.0-oak+87.3-rc-2 support 5388 pgrade component MRNINS: You should backup the system before upgrading. Avers s42700x8_8_3.3 tar.gz elect file Browse elease key spasted, you can click upgrade and final you restart the Expressway. elease key onto leave the screent sho in desti release and then follow the steps from there. Do not	grade	You are here: Maintenance •
nponent * Version Release key ULA Presence Relay 1.0-oak-v8.7.3-rc-2 Information Image: Control of the new software version. This is not required if you are upgrading to a dot release. Key for the new software version. This is not required if you are upgrading to a dot release. for example from 1.0 to 1.1. gencoderssupport 5368 support 5368 term platform X8.7.3 to sake v8.7.3-rc-2 1.0-oak-v8.7.3-rc-2 upport 5368 term platform X8.7.3 to sake v8.7.3-rc-2 1.0-oak-v8.7.3-rc-2 support 5368 term platform X8.7.3 to sake v8.7.3-rc-2 1.0-oak-v8.7.3-rc-2 support 5368 overs 1.0-oak-v8.7.3-rc-2 support 5368 order the release key is pasted, you can click upgrade and then follow the steps from there. Do not leave the screens th follow or you will have to start over. The image will first upload wilease key f800812430795557 fo		
BUA Presence Relay 1.0-oak+v8.7.3-rc-2 Information Information BUA Service 1.0-oak+v8.7.3-rc-2 Information The 16-character release key for the new software version. This is on a dot release, for example from 1.0 to 1.1. agencoderssupport 5368 The 16-character release key for the new software version. This is not required if you are upgrading to a dot release, for example from 1.0 to 1.1. agencoderssupport 5368 Teometrian terms tem platform X8.7.3 7800812430795357 fic_server 5368 See vvcs 1.0-oak+v8.7.3-rc-2 See support 5368 See aggrade component See See see key f800812430795357 Once the release key is pasted, you can click upgrade and then follow the steps from there. Do not leave the screens th follow or you will have to start over. The image will first upload then follow or you will have to start over. The image will first upload then to get is installed and finally you can start the Expressively. Once it is restarted and comes back up, it should be on the expressively.	nponent • Version	Release key
UA Service 1.0-oak-v8.7.3-rc-2 The 16-character release key for the new software version. This is not required if you are upgrading to a dot release, for example from 1.0 to 1.1. gencoderssupport 588 588 a dot release, for example from 1.0 to 1.1. gencoderssupport 588 a dot release, for example from 1.0 to 1.1. gencoderssupport 588 a dot release, for example from 1.0 to 1.1. gencoderssupport 588 a dot release, for example from 1.0 to 1.1. gencoderssupport 588 a dot release, for example from 1.0 to 1.1. gencoderssupport 588 a dot release, for example from 1.0 to 1.1. gencoderssupport 588 a dot release, for example from 1.0 to 1.1. gencodersupport 588 a dot release, for example from 1.0 to 1.1. gencodersupport 588 a dot release, for example from 1.0 to 1.1. upport 5368 a dot release, for example from 1.0 to 1.1. gencodersupport 5368 a dot release, for example from 1.0 to 1.1. gencodersupport 5368 a dot release, for example from 1.0 to 1.1. gencodersupport 5368 a dot release, for example from 1.0 to 1.1. gencodersupport 5368 a dot release, for example from 1.0	UA Presence Relay 1.0-oak-v8.7.3-rc-2	Information
ignt 8.6-1.0.321052 the new software version. This is not required if you are upgrading to a dv release, for example from 1.0 to 1.1. igned coderssupport 5368 ad or release, for example from 1.0 to 1.1. igned coderssupport 5368 7800812430795357 igned component 1.0-oak-v8.7.3-rc-2 1.0-oak-v8.7.3-rc-2 support 5368 1.0-oak-v8.7.3-rc-2 support 542700x8.8.3.1ar.gz 0.0rce the release key is pasted, you can click upgrade and then follow the steps from there. Do not leave the screens the follow to you will have to stat over. The image will firstuploa then it gets installed and finally you restrict t	UA Service 1.0-oak-v8.7.3-rc-2	The 16-character release key for
indext support 5368 indext required if you are upgrading to a dot release, for example from 1.0 to dot release, for example from 1.0 to 1.1. gencoderssupport 5368 to 1.1. gencoderssupport 5368 to 1.1. em platform X8.7.3 7800812430795357 ic_server 5368 ic_server vos 1.0-oak-v8.7.3-rc-2 ic_server upport 5368 ic_server vos 1.0-oak-v8.7.3-rc-2 ic_server lease key 92000012430795357 ic_server	gmt 8.6-1.0.321052	the new software version. This is
upport 5368 to 1.1. gencoderssupport 5368 em platform X8.7.3 c_server 5368 vcs 1.0-oak-v6.7.3-rc-2 upport 5368	ctdsupport 5368	not required if you are upgrading to a dot release for example from 1.0
gencoderssupport 5368 em platform X8.7.3 7800812430795357 c_server 5368 vcs 1.0-oak-v6.7.3-rc-2 upport 5368 grade component ARNING: You should backup the system before upgrading. System backup lease key 842700x8_8_3.tar.gz () Teore the release key is pasted, you can click upgrade and then follow the steps from there. Do not leave the screens th follow or you will have to start over. The image will first upgrade and then if gets installed and finally you restart the Expressway. Once it is restarted and comes back up, it should be on the ensure the subset of the subset of the subset of the start over. The image will first updrate the Expressway. Once it is restarted and comes back up, it should be on the	upport 5368	to 1.1.
em platform X8.7.3 7800812430795357 c_server 5368 vcs 1.0-oak-v8.7.3-rc-2 upport 5368	gencoderssupport 5368	
ic_server 5368 vos 1.0-oak-v6.7.3-ro-2 support 5368 ARNING: You should backup the system before upgrading. System backup ledet file lease key 7800812430795357 0 0 0 0 cm the release key is pasted, you can click upgrade and then follow the steps from there. Do not leave the screens the follow or you will have to start over. The image will first upgrade and then if gets installed and finally you restart the Expressway. Once it is restarted and comes back up, it should be on the once it is restarted and comes back up, it should be on the or will have to start over. The image will first upgrade and then if gets installed and finally you restart the Expressway. Once it is restarted and comes back up, it should be on the or will for upgrade and then in gets installed and finally you restart the Expressway. Once it is restarted and comes back up, it should be on the	tem platform X8.7.3	7800812430795357
vcs 1.0-oak-v8.7.3-rc-2 support 5368	ic_server 5368	
support 5368	vcs 1.0-oak-v8.7.3-rc-2	
ARNING: You should backup the system before upgrading. ARNING: You should backup the system before upgrading. Browse 642700x8_8_3.tar.gz f800812430795357 Donce the release key is pasted, you can click upgrade and then follow the steps from there. Do not leave the screens th follow or you will have to start over. The image will first upload then it gets installed and finally you restart the Expressway. Once it is restarted and comes back up, it should be on the expressions and the screens back up, it should be on the expressions.	support 5368	
elect file Browse \$42700x8_8_3.tar.gz C Once the release key is pasted, you can click upgrade and then follow the steps from there. Do not leave the screens th follow or you will have to start over. The image will first uploa then it gets installed and finally our restart the Expressway Once it is restarted and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the complement of the started and comes back up, it should be on the compl	ARNING: You should backup the system before upgrading. System backup	
elease key 7800812430795357 then follow the steps from there. Do not leave the screens th follow or you will have to start over. The image will first uploas then it gets installed and finally you restart the Expressival Once it is restarted and comes back up, it should be on the expressioners and the scleane knows the screens th follow or you will have to start over. The image will first uploas then it gets installed and finally you restart the Expressival then it gets installed and finally not expression to the expression of the scleane knows the screens the scleane knows the scleane knows the scleane knows the screens the scleane knows the scleane kn	elect file Browse s42700x8_8_3.tar.gz (j)	Once the release key is pasted, you can click upgrade and
	alease key 7800812430795357	then follow the steps from there. Do not leave the screens the follow or you will have to start over. The image will first uploa then it gets installed and finally you restart the Expressiva Once it is restarted and comes back up, it should be on the

https:// 117/overview System host name: VCS-C System time: 14:05 UTC

Language: en_US S/N: 0DE16F47 Version: X8.7.3

在Expressway重新启动后,验证版本是否已正确安装。使用本文档"验证"部分中介绍的两种方法。

CLI版本密钥安装示例

通过CLI安装版本密钥。这是一个包含两部分的过程,涉及在Windows中使用SCP客户端(本例中为 PSCP,来自命令(CMD)提示符)和终端仿真软件应用程序(如PuTTY)。

步骤 1:将您的版本密钥复制到纯ASCII文本文件中。确保释放密钥值前后没有空格。将版本密钥复制到文本编辑器应用程序中,将文件保**存为release-key.txt**:



步骤 2:将release-key.**txt文**件和PSCP.exe放在计算机上的同一目录中。在Windows中使用命令 (CMD)提示符导航到该目录,然后将版本密钥复制到Expressway上的临时目录。使用PSCP事务的 根帐户。根据提示输入根帐户密码。按100%的指示验证已完成的转接。示例如下:

C:\Users\jawall>cd desktop			
:\Users\jawall\Desktop>pscp release-key.txt root@117:/tmp/release-key sing keyboard-interactive authentication.			
Password: release-key.txt 0 kB 0.0 kB/s ETA: 00:00:00 100%			
:\Users\jawall\Desktop>pscp s42700x8_8_3.tar.gz root@117:/tmp/tandberg-image.tar.gz Using keypoard-interactive authentication. Password: 942700x8_8_3.tar.gz 19164 kB 598.9 kB/s ETA: 00:12:40 4%			
Note in the first circle above, we are using a Windows CMD prompt where I've saved the release-key.txt file to my desktop. In the first line, I've navigated to my desktop with the CMD command "cd desktop" and then am copying the file over to the Expressway using free-ware Putty PSCP. In the next circle, I am copying over the upgrade image to the Expressway using PSCP. The third circle is showing the file transfer progress. Once complete, I will use Putty SSH shell to restart the Expressway.			

步骤 3:复制要升级到的映像,如此处使用的8.8.3。通过PSCP复制此映像。验证状态显示为 100%,这表示映像的软件已传输到Expressway,并且您已准备好重新启动Expressway。



步骤 4:通过与Expressway的SSH会话重新启动Expressway。打开PuTTY并键入Expressway的 IP地址。单击SSH打开。



步骤 5:出现提示时,单击**Open**并使用管理员帐户登录Expressway。出现提示时输入管理员帐户 密码。验证您是否具有重新启动Expressway的正确命令。输入命令,后跟空格和问号,以确保其正 确。Expressway确认xCommand**引导**已重新启动。输入命令**xCommand Boot**以重新启动 Expressway。

Coin as admin Nein keyboard-inters Password: 5 alarms:	Login as admin or whatever account you have set as admin, as long as that account has FULL admin privileges.	
 warning insecure passocial in use - The cot user has the def warning insecure passocial in use - The cot user has the def starting configuration warning - For phone book requests to w be enabled on the Default Zone if the endpoints are not register warning Date and Lime not validated - The system is unable to warning - Configuration warning - For provisioning to work cor 	while paraword set wile paraword set wile correctly, authentication policy must be enabled on the Default Subzone and any other relevant o obtain the correct time and date from any of the NTP servers wordly, authentication policy must be enabled on the Default Zone and any other relevant zone	evant subzone; authentication must als that receives provisioning requests
Last login: Mon Nov 28 13:42:52 UTC 2016 TANDBERG Video Communication Server X8.7.3 SW Release date: 2016-04-14 10:20, build		
OK Cronmand Boot ? h xConmand Boot ?Reboots the VCS."	Here, I use the CLI help feature of "xCommand Boot ?" to verify I have the right command syntax to reboot the expressivey. Note the reference to VCS even though this is an Expressivey. This is normal as the two products share a code base.	
Command Boot		
OK Dataport reboot request, rebooting The system is going down for reboot NOW!	Now, I reboot the Expressway to upgrade it. The cool thing here, is you do not have to actually upgrade the Expressway, you can re-install the same image. In this case, I actually upgraded it.	

Expressway会闪烁其正在重新启动过程,并且您的PuTTY会话关闭。此行为是正常的,因为连接在 Expressway重新启动时终止。Expressway需要大约三到五分钟才能重新启动。完成后,按照本文 档的"验证"部分所述,通过Web界面或CLI验证正确安装的版本密钥。

验证

版本密钥安装的Web界面验证

验证Web界面中安装的版本密钥的方法有两种:

选项1:如前所述,查看"选项密钥"页,并选中"发布密钥"字段。

tatus System Configuration Applications	Users Maintenance			Help 🥶 Logoul
option keys			You are here: Mainten	ance • Option ke
Key ▼	Description	Status	Validity period	
116341E00-1-2B872ED6	Expressway Series	Active	Unlimited	
Delete Select all Unselect all				
System information				
Serial number	0DE16F47			
Active options	0 Rich Media Sessions, Encryption, Interworking, Expre	essway Series.		
Software option				
Add option key	()			
Add option		After restart, I verify the k checking the Release K populated.	rey installed by ey field is now	
Release key				
Release key	7800812430795357			
Set release key				
Current licenses				_

选项 2:如前所述,检查升级页面:

CISCO Cisco Expressway-C		This system has 5 alarms
Status System Configuration Applications	Users Maintenance	7 Help. Og Logout
Upgrade		You are here: Maintenance > Upgrad
Component 💌	Version	Release key
B2BUA Presence Relay	1.0-oak-v8.7.3-rc-2	^
B2BUA Service	1.0-oak-v8.7.3-rc-2	
c_mgmt	8.6-1.0.321052	
collectdsupport	5368	
oaksupport	5368	
stringencoderssupport	5368	
System platform	×8.7.3	7800812430795357
traffic_server	5368	
xcp-vcs	1.0-oak-v8.7.3-rc-2	
xcpsupport	5368	You can also verify by checking the
		upgrade option under the Maintenance Tab. Note the release
Upgrade component		key is now visible under the release key column of this page.
WARNING: You should backup the system before upgrading.	System backup	
Select file	Browse No file selected.	

Upgrade

User: admin Access: Read-write System host name: VCS-C System time: 13:46 UTC

Language: en_US S/N: 0DE16F47 Version: X8.7.3

版本密钥安装的CLI界面验证

通过与CLI的SSH会话验证通过CLI界面安装的版本密钥。使用管理员帐户登录,如本文档前文所述 。在该位置后,输入命令**xStatus SystemUnit Software**。您会看到升级成功,并且安装了版本密钥 :



故障排除

在Cisco Expressway上安装版本密钥时,您没有任何问题。在Expressway的"版本密钥"**字段中输入** 选项密钥,或在升级是导致失败的最常见原因时输入选项密钥。本文开头引用的电子邮件示例除了 版本密钥外,还显示了选项密钥。当在Release Key字段中输入选项键时**出错**:

alialia	
CISCO	Cisco Expressway-C

-,,			
tion keys			You are here: Maintenance + Optio
Saved: The release key has been updated,	however a <u>restart</u> is required for it to take effect.		
Key 👻	Description	Status	Validity period
116341E00-1-2B872ED6	Expressway Series	Active	Unlimited
Select all Unselect all			
stem information			
rial number	0DE16F47		
tive options	0 Rich Media Sessions, 0 Room Systems, 0 D Expressway Series.	es top Systems, Encryption, Interworking, I	FindMe, Device Provisioning,
tware option			
d option key			
option		Here, I've made a mistake v a release key installation fail key as a release key. Th mistake and will not show t	which is one of the most common causes of lure. Specifically, I've tried to install an option ne Expressway will allow me to make this he error until I have fully restanted (rehouted
ease key		the Expressway. Just as release key field, clicked o	before, I've pasted in the "bad" key in the n "Set release key" and now as before I am
ease key	116341E00-1-2B87	being promp	ted to restart the Éxpressway.
elease key			
ent licenses			
rsal calls	0		
top System License	0		

Expressway接受"版本密钥"字**段中的任**何值。重新启动Expressway,输入的值不正确,您会收到错 误"Invalid release key**"(无效版**本密钥):

սիսիս	
CISCO	Cisco Expressway-C

		This system has 6 alarms
Status System Configuration Applica	tions Users Maintenance	🔺 🕐 Help. 🞯 Logout
Option keys		You are here: Maintenance • Option keys
Number Invalid release key: Release key is missing: the	e system is in demonstration mode and has limited functionality; contact	t your Cisco support representative to buy your release key.
Key 🔻	Description	Status Validity period
116341E00-1-2B872ED6	Expressway Series	Active Unlimited
Delete Select all Unselect all		
System information		
Serial number	0DE16F47	
Active options	1 Rich Media Sessions, 0 Room Systems, 0 Desktop S Expressway Series.	System Encryption, Interworking, FindMe, Device Provisioning,
Software option		
Add option key		
Add option		
		Ugh, now I have a very Unhappy Expressway because I installed an option
Release key		with the big red warning at the top?
Release key	116341E00-1-2B87	proper RELEASE KEY and not an option key.
Set release key		
Current licenses		
Traversal calls	1	
Desktop System License	0	
Room System License	0	

User: admin Access: Read-write System host name: VCS-C System time: 17:49 UTC

Language: en_US S/N: 0DE16F47 Version: X8.8.3

按照本文档中的说明安装版本密钥以更正此情况。

注意:版本密钥和选项密钥与Web界面右下角显示的序列号关联,如果序列号发生更改(虚拟机的 硬件可能发生更改),则需要重新生成并重新安装版本密钥和选项

请联系思科TAC,寻求其他故障类型的帮助。