Cisco Catalyst 9000许可证升级 — 离线方法

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简介

本文档介绍从评估许可证升级到DNA订用许可证(Essentials/Advantage/Premier)所需的步骤。

Cisco Catalyst 9000许可证升级 — 离线方法

当新交换机联机时,它将使用有效期为90天的评估网络许可证启动。在此期间,交换机需要与思科 智能软件管理器(CSSM)通信。由于CSSM服务器基于思科的云,因此交换机需要互联网连接才能到 达思科的云。

但是,某些客户的网络不允许这样做,例如金融和银行部门,或者某些客户的安全环境,这些客户 无法访问Internet(AirGap环境)。

在这种情况下,客户和合作伙伴需要依靠离线方式安装DNA许可证。

本文档依赖DNA Center作为许可证管理器。DNA Center必须连接到Internet,以便收集客户通过其 智能帐户/虚拟帐户购买的所有许可证的信息。一旦DNA Center获得此信息,就可以将其脱机,并 且无需将DNA Center和交换机连接到Internet即可执行其余步骤。

1. DNA Center已连接到Internet,并与CSSM服务器通信,以收集有关客户许可证的信息。客户拥 有53个许可证(48个基本许可证和5个优势许可证)。



A You have license(s) expiring on 1 device(s) in next 90 days View

在DNA Center的"许可证管理"应用中,导航至"所有许可证"。您将获得由DNA Center管理的所有设备及其许可证状态的摘要。Registration Status和Authorization Status字段显示DNA许可证的状态

,无论设备运行在Eval模式还是DNA订阅模式下。您需要看到设备的**Registered-SLR**和 Authorized状态,如图所示。

Cisc	Cisco DNA Center					License Management					Q	ш	Φ
Y Filte	er Actions	V 🖄 Upk	bad CSV								ΞQ	Find	
	Device Name	Device Family	IP Address	Device Series	DNA License 🔺	DNA License Expiry	License Mode	Network License	Registration status	Authoriz status	ation	Res Sta	ervation tus
	Switch	Switches and Hubs	10.1.100.10	Cisco Catalyst 9200 Series Switches	Essentials	Mar 22, 2021 🛆 55 Days	SL	Essentials	Unregistered	Evaluatio Mode	n	Req cod gen	uest e erated
	Switch	Switches and Hubs	10.1.100.11	Cisco Catalyst 9200 Series Switches	Essentials	NA	SL	Essentials	Registered - SLR	Authorize Reserved	rd - 1	Inst	alled

2.要使DNA Center管理交换机,交换机应位于DNA Center的资产列表中。如果它还没有出现,则 通过1可以实现此目的。即插即用过程,通过DHCP完成。或2。手动配置交换机的IP地址,启用密 码和本地用户名/密码。DNA Center在发现过程中使用此信息定位新配置的交换机。

3.一旦交换机出现在DNA中心**清单**中。导航到License Manager > All Licenses。选择需要添加 DNA许可证的交换机或设备,如图所示。

Y Filte	r Ac	tions 🖂 🕒 Upload CSV		Selected						ΞQ	Find		
	Dev Nan	Change DNA License Change Virtual Account		Device Series	DNA License -	DNA License Expiry	License Mode	Network License	Virtual Account	Site	Registration status	2	1
	Swit	Manage Smart License Manage License Reservation	2	Disco Datalyst 7200 Series Bwitches	Essentials	Mar 21, 2021	SL	Essentials	NA.	Unassigned	Unregistered		Expand
	Switch	Deposit Traditional Licenses		Disco Catalyst 9200 Series Switches	Essentials	Mar 22, 2021	SL.	Essentials	NA	Unassigned	Reservation in Progress		

4.然后定位至**活动**,选择**管理许可证保留**,然后选择**启用许可证保留**。 选择Specific License Reservation,单击Continue以生成请求代码,如图所示。

Y Filte	AC	tions 🖂 🖄 Upload CSV	1	Selected						ΞQ	Find		
	Dev Nan	Change DNA License Change Virtual Account		Jevice Series	DNA License -	DNA License Expiry	License Mode	Network License	Virtual Account	Site	Registration status	21	1
		And the British and a second state										2	Expand
-	12	Manage Smart License Manage License Reservation	2	Catalyst	121100101	Mar 21; 2021	8270	520300	1.5153		041103355557		
Ц	Siwil		×.	7200 Series Switches	Essentials	A so tays	SL	Essentials	NA	Unassigned	Unregistered		
		Deposit Traditional Licenses				10000							
	Switch	and Hubs 10.1.100.11		-Catalyst 9200 Series Switches	Essentials	Mar 22, 2021	SL.	Essentials	NA.	Unassigned	Reservation in Progress		

Ciso	co DN	A Center License Management		٩	===	• •
	E	Enable License Reservation				×
T Filb	or De Na	Reservation Type 2 Request Code 3 Virtual Account 4 Authorization Code		5	Apply	
	Sv	Select License Reservation Type Specific License Reservation (SLR) Permanent License Reservation (PLR)				0
	SM	Note: Clicking on continue will fetch Request Code for the selected devices. Cancel Continue				
	Switch	Uisco Switches 10.1.100.12 Catalyst Essentials NA SL Essentials NA and Hubs 10.1.100.12 9200 Series Switches	Unase	igned	Regi SLR	stered -

5.在此阶段,DNA Center将登录交换机,并从交换机生成请求代码。生成请求代码后,单击**导出** CSV文件。

6.使用思科智能软件管理器(CSSM)登录。您将看到客户购买的所有DNA许可证。下图显示了客户的 智能帐户示例,如图所示。

Virtual Account: DEFAULT -

Gene	ral Licenses Product Instances	Event Log				
A	vailable Actions ~ Manage License	Tags	nse Reservation	Ð		Search b
	License	Billing	Purchased	In Use	Substitution	Balance Alerts
	Aironet DNA Advantage Term Licenses	Prepaid	3	0		+ 3
	AP Perpetual Networkstack Advantage	Prepaid	3	0		+ 3
	C9200 DNA Essentials, 24-port Term licenses	Prepaid	85	1 (1 Reserved)		* 84
	C9200 Network Essentials, 24-port license	Prepaid	85	1 (1 Reserved)		+ 84
	C9200L DNA Essentials, 24-port Term license	Prepaid	2	0	-	+ 2
	C9200L DNA Essentials, 48-port Term license	Prepaid	2	0		+ 2
	C9200L Network Essentials, 24-port license	Prepaid	2	0	-	+ 2
	C9200L Network Essentials, 48-port license	Prepaid	2	0		+ 2
	C9300 48P DNA Advantage	Prepaid	5	0		+ 5
	C9300 48P Network Advantage	Prepaid	5	0	-	+ 5

7.使用之前从DNA Center生成的**CSV**文件,从CSSM生成授权代码。此授权码允许在无法访问 Internet的设备上使用永久DNA许可证。

Virtual Account: DEFAULT -

Available Actions -	Manage License	Tags Licen	se Reservation	⊡		Se	earch l
License		Billing	Purchased	In Use	Substitution	Balance	Alert
Aironet DNA Adva	ntage Term Licenses	Prepaid	3	0		+ 3	
AP Perpetual Netv	vorkstack Advantage	Prepaid	3	0		+ 3	
C9200 DNA Esser	tials, 24-port Term licenses	Prepaid	85	1 (1 Reserved)	-	* 84	
C9200 Network Es	sentials, 24-port license	Prepaid	85	1 (1 Reserved)	-	+ 84	
C9200L DNA Esse	entials, 24-port Term license	Prepaid	2	0		+ 2	
C9200L DNA Esse	entials, 48-port Term license	Prepaid	2	0		+ 2	
C9200L Network E	ssentials, 24-port license	Prepaid	2	0	-	+ 2	
C9200L Network E	ssentials, 48-port license	Prepaid	2	0		+ 2	
C9300 48P DNA A	dvantage	Prepaid	5	0		+ 5	
C9300 48P Netwo	rk Advantage	Prepaid	5	0		+ 5	
STEP 1	STEP 2	STEP 3	STEP	4			
Enter Request Code	Select Licenses	Review and con	nfirm Authori	zation Code			
u can reserve licenses for pro u will begin by generating a R learn how to generate this co nce you have generated the c 1) Enter the Reservation Re 2) Select the licenses to be 3) Generate a Reservation Au 4) Enter the Reservation Au Reservation Request Code: CB-ZC9200-24T.	educt instances that cannot connect to the teservation Request Code from the pro- de, see the configuration guide for the p ode: quest Code below reserved Authorization Code thorization Code on the product instance	he Internet for security rea duct Instance. product being licensed. e to activate the features	sons.				Î

To learn how to enter this code, see the configuration guide for the product being licensed

Cancel Next

STEP 1 🗸	STEP 2 Select Licenses	STEP 3 Review and confirm	STEP Authoriz	4 ration Code			
Product Type: UDI PID: UDI Serial Number: Licenses to Reserve In order to continue, ensure that you Reserve a specific license	C9200 C9200-24T	want to reserve in the Virtual A	ccount.				^
License		E	xpires	Purchased	Available	Reserve	
Level 2 Supports substitution							
C9200 Network Essentials, 24 C9200 Network Essentials, 24-port I/O	I-port license	-	never-	85	83	1	
C9200 DNA Essentials, 24-po C9200 DNA Essentials, 24-port Term	rt Term licenses Joenses		nultiple terms	85	84	1	כ
STEP 1 🗸 Enter Request Code	STEP 2 ✓ Select Licenses	STEP 3 Review and confirm	STEP	4. ation Code			
Product Instance Details							
Product Type:	C9200						
UDI PID:	C9200-24T						
UDI Serial Number:							
Licenses to Reserve							
License			Expires		Quantity to Re	serve	
Level 2							
C9200 Network Essentials, 24-p C9200 Network Essentials, 24-port loer	port license		-never-		1		
C9200 DNA Essentials, 24-port C9200 DNA Essentials, 24-port Term in	Term licenses				1		
				Ca	ncel Back	Generate Authorization	on Code

生成授权码后,可以将其下载为**文件**或**复制到剪贴板**。

STEP 1 🗸	STEP 2 V	STEP 3 ~	STEP 4		
Enler Request Code	Select Licenses	Review and confirm	Authorization Code		
The Reservation Authorizat Enter this code into the Smith	ion Code below has been generated art Licensing settings for the product	for this product instance. I, to enable the licensed features.			
Product Instance Details					
Product Type:	C8200				
UDI PID:	C8200-24T				
UDI Serial Number:					
Authorization Code:					
<pre><specificplr> <authorizationcod <entitiement> <tag>regid 2018-05 <licensetype>PERPETUAL <itor licenseType>PERPETUAL <itor license <tagdescription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription><subscription></subscription><subscription></subscription><subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription></subscription><td>e> «Tag> A «Tag> «version» C «versi 5.com.cisco.C9200-NW-E-24,1.0 mseType>~clisplayName>C9200 Ni pitoniD>~viewstem 20.Dec-03.UTC «/stariDate>~endDa vDescription>C9200 DNA Essentia</td><td>on>-spik twork Essentials, 24-poin scense-sus sent>-senttiement>-stag>regid 2018-02 te>2023-Dec-02 UTC-tendDate>-sice is, 24-port Term licenses<tagdescript< td=""><td> vipid>stantp>160001320000 hg><count>1</count> count>startDate> vipName><tagdescription>C9200_Network_Es</tagdescription> com cisco C0200-DNA-E-24,10 naeType>TERM closeriptioniD> vibsoriptioniD> vibsoriptioniD> </td><td>4-ottimestamp>-cen8tements> s>-cendDate>-clendDate> centiae_24-port trag> C9200 DNA Essentials, 24-port ment>-clentitements></td><td>^</td></tagdescript<></td></tagdescription></itor </itor </licensetype></tag></entitiement></authorizationcod </specificplr></pre>	e> «Tag> A «Tag> «version» C «versi 5.com.cisco.C9200-NW-E-24,1.0 mseType>~clisplayName>C9200 Ni pitoniD>~viewstem 20.Dec-03.UTC «/stariDate>~endDa vDescription>C9200 DNA Essentia	on>-spik twork Essentials, 24-poin scense-sus sent>-senttiement>-stag>regid 2018-02 te>2023-Dec-02 UTC-tendDate>-sice is, 24-port Term licenses <tagdescript< td=""><td> vipid>stantp>160001320000 hg><count>1</count> count>startDate> vipName><tagdescription>C9200_Network_Es</tagdescription> com cisco C0200-DNA-E-24,10 naeType>TERM closeriptioniD> vibsoriptioniD> vibsoriptioniD> </td><td>4-ottimestamp>-cen8tements> s>-cendDate>-clendDate> centiae_24-port trag> C9200 DNA Essentials, 24-port ment>-clentitements></td><td>^</td></tagdescript<>	 vipid>stantp>160001320000 hg><count>1</count> count>startDate> vipName><tagdescription>C9200_Network_Es</tagdescription> com cisco C0200-DNA-E-24,10 naeType>TERM closeriptioniD> vibsoriptioniD> vibsoriptioniD> 	4-ottimestamp>-cen8tements> s>-cendDate>-clendDate> centiae_24-port trag> C9200 DNA Essentials, 24-port ment>-clentitements>	^
To learn how to enter this code, se	e the configuration guide for the pro	duct being licensed		- cognine-	v

9.单击Download Template并下载许可证保留模板,如图所示。

Upload License R	eservation File	×
Select CSV file	📩 Download Template	^
Drag and Dr OR	op Here	
Select a file from y Click continue button to import the CSV fi	your computer ile from your client machine.	~
Cancel	Continue	

如图所示,更新DeviceName、Serial No.、RequestCode(来自步骤5.)和之前复制的 Authorization Code(步骤8.)字段的信息。

1	A	В	С	D	E	F	G	н	1.1
1	IPAddress	DeviceName	SerialNumber	RequestCode	Authoriza	tionCode			
2	10.1.	DNASW001.	ABCDEF12345	CB-ZC9200-24T:LhGz	MEUCIQD	NMGgBh30	N2tamddi	Ht3GtFKKql	P30rPWDZ2
3									

10.CSV文件准备就绪后,点击**上传CSV**将授权代码上传到设备。这会将SLR许可证安装到设备,并 且许可证将获得授权在设备上运行的DNA许可证,如图所示。

	Upload License R	Reservation File	\times
Select CS	V file	📥 Download Template	^
	licenseReservation	nTemplate.csv <u>च</u>	
1 Olick co	ntinue button to import the CSV f	ile from your client machine.	~
1 Switches	Cancel	Continue	

Upload License Reservation File

 \times

License Reservation will be applied on 1 devices.

Device Name 🔺	IP Address/DNS Name	Serial Number	Request Code	Authorization Code
Switch	10.1.100.11		CB-ZC9200-24T: A4T2LhGzf-22	Available
				I.
		Showin	g 1 of 1	
		Cancel	Confirm	



您应该看到Registration Status(注册状态)更改为**Registered - SLR**。

Cisco DNA Center				License Management						4	•	Q		٥	0
								Last updated:	1:09 pm	C Refres	h	Ô Đ	port	0 R	ecent
Y Filter Actions ✓ 🖄 Upload CSV												ΞC	۲ Find		
	Device Name	Device Family	IP Address	Device Series	DNA License	DNA License Expiry	License Mode	Network License	Virtual Account	t Si	te		Re	Registration status	
	Switch	Switches and Hubs	10.1.100.10	Cisco Catalyst 9200 Series Switches	Essentials	Mar 21, 2021 🛆 88 Days	SL.	Essentials	NA	U	Unassigned			Unregistered	
	Switch	Switches and Hubs	10.1.100.11	Cisco Catalyst 9200 Series Switches	Essentials	NA	SL	Essentials	NA	U	Unassigned			Registered - SLR	
	Switch	Switches and Hubs	10.1.100.12	Cisco Catalyst 9200 Series Switches	Essentials	NA	SL	Essentials	NA	U	nassiç	pned	Reg SU	pistered R	-

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。

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