Cisco Catalyst 9000許可證升級 — 離線方法

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簡介

本檔案介紹從評估許可證升級到DNA訂用許可證(Essentials/Advantage/Premier)所需的步驟。

Cisco Catalyst 9000許可證升級 — 離線方法

當新交換機聯機時,它會使用評估網路許可證(有效期為90天)進行啟動。在此期間,交換器需要 與思科智慧軟體管理員(CSSM)通訊。由於CSSM伺服器基於思科的雲,因此交換機需要連線網際網 路才能到達思科的雲。

但是,某些客戶的網路不允許這樣做,例如金融和銀行部門或某些客戶的安全環境,這些客戶無法 訪問Internet(AirGap環境)。

在這種情況下,客戶和合作夥伴需要依靠離線方式安裝DNA許可證。

本文檔依賴於DNA Center作為許可證管理器。將DNA Center連線到Internet非常重要,這樣它就可 以收集客戶通過其智慧帳戶/虛擬帳戶購買的所有許可證的資訊。一旦DNA Center獲得此資訊,它 就可以離線,並且其餘步驟都可以在沒有DNA Center和交換機連線到Internet的情況下執行。

1. DNA Center已連線到Internet,並與CSSM伺服器通訊,以收集有關客戶許可證的資訊。客戶擁 有53個許可證(48個基本許可證和5個優勢許可證)。





在DNA Center的「許可證管理」應用中,導航至「所有許可證」。您將獲得DNA Center管理的所 有裝置及其許可證狀態的摘要。**Registration Status**和Authorization Status欄位顯示DNA許可證的狀

態,無論裝置運行在Eval模式還是DNA訂閱模式。您需要看到裝置的**Registered-SLR**和 Authorized狀態,如下圖所示。

Cisc	Cisco DNA Center					License Management					Q	ш	¢
Y Filte	Filter Actions V 🖄 Upload 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	juest le verated
	Switch	Switches and Hubs	10.1.100.11	Cisco Catalyst 9200 Series Switches	Essentials	NA	SL	Essentials	Registered - SLR	Authoriz Reserved	ed - I	Inst	alled

2.要使DNA Center管理交換機,交換機應位於DNA Center的「清單」中。如果它還沒有達到,則 這可以通過1實現。即插即用過程,通過DHCP完成。或2。手動配置交換機的IP地址,啟用密碼和 本地使用者名稱/密碼。DNA Center在發現過程中使用此資訊來查詢新配置的交換機。

3.一旦交換機出現在DNA中心**清單**中。導航到License Manager > All Licenses。選擇要將DNA許可 證新增到其中的交換機,如下圖所示。

Y Filter	Ac	tions 🖂 🖄 Uple	and CSV	1	Selected						ΞQ	Find		
	Dev Nan	Change DNA Lice	nse		Sevice Series	DNA License -	DNA License Expiry	License Mode	Network License	Virtual Account	Site	Registration status		1
		Change Virtual Ac	riuoox										>	Expand
		Manage Smart Lic	cense	5	Disco		Mar 21,							
	Swit	Manage License F	se Reservation	5	3200 Series 3witches	Essentials 2021 SL Essentials NA	NA,	Unassigned	d Unregistered					
		Deposit Traditiona	I Licenses											
-					Disco		Mar 22,					Reservation in		
	Switch	and Hubs	10.1.100.11		9200 Series Switches	Essentials	A 10 Days	SL.	Essentials	NA	Unassigned	Progress		

4.然後定位至**活動**,選擇**管理許可證保留**,然後選擇**啟用許可證保留**。 選擇**Specific License Reservation**,按一下**Continue**以生成請求代碼,如下圖所示。

Y Filte	r Ac	tions 🖂 🗄 Upload CSV		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	0	1
		Manage Smart License	s	Sisco		Mar 21						0	Expand
	Swit	Manage License Reservation	3	Catalyst 7200 Series Switches	Essentials	2021 A 88 Days	SL	Essentials	NA	Unassigned	Unregistered		
	Switch	Deposit Traditional Licenses omnumer and Hubs 10.1.100.11		Disco Catalyst 9200 Series	Essentials	Mar 22, 2021	SL.	Essentials	NA	Unassigned	Reservation in Progress		

Ciso	CO DN	A Center License Management		٩		•
		Enable License Reservation				×
T Filb	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)				
	Sv	Note: Clicking on continue will fetch Request Code for the selected devices. Cancel Continue				
	Switch	Cisco Switches 10.1.100.12 Catalyst Essentials NA SL Essentials NA and Hubs 10.1.100.12 9200 Series Switches	Unass	igned	Regi	stered -

5.在此階段,DNA Center將登入交換機,並從交換機生成請求代碼。生成請求代碼後,按一下**匯出** CSV檔案。

6.使用思科智慧軟體管理員(CSSM)登入。您將看到客戶購買的所有DNA許可證。此圖顯示了客戶的 智慧帳戶示例,如圖所示。

Virtual Account: DEFAULT -

General	Licenses Product Instances	Event Log				
Avai	Manage License	Tags Lice	nse Reservation	<u>C</u>		Search b
	icense	Billing	Purchased	In Use	Substitution	Balance Alerts
	Ironet DNA Advantage Term Licenses	Prepaid	3	0		+ 3
	P Perpetual Networkstack Advantage	Prepaid	3	0	-	+ 3
	9200 DNA Essentials, 24-port Term licenses	Prepaid	85	1 (1 Reserved)		* 84
	9200 Network Essentials, 24-port license	Prepaid	85	1 (1 Reserved)		+ 84
	9200L DNA Essentials, 24-port Term license	Prepaid	2	0	-	+ 2
	9200L DNA Essentials, 48-port Term license	Prepaid	2	0		* 2
	9200L Network Essentials, 24-port license	Prepaid	2	0	-	+ 2
	9200L Network Essentials, 48-port license	Prepaid	2	0		+ 2
	9300 48P DNA Advantage	Prepaid	5	0		+ 5
	9300 48P Network Advantage	Prepaid	5	0		+ 5

7.使用之前從DNA Center生成的**CSV**檔案,從CSSM生成授權代碼。此授權碼允許在沒有Internet接 入的裝置上使用永久性DNA許可證。

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 ✓ Enter Request Code	STEP 2 Select Licenses	STEP 3 Review and confirm	STEP 4	n Code			
Product Type: UDI PID: UDI Serial Number: Licenses to Reserve In order to continue, ensure that yo Reserve a specific license	C9200 C9200-24T	want to reserve in the Virtual Accourt	it.				Î
License		Expires	1	Purchased	Available	Reserve	
Level 2 Supports substitution							
C9200 Network Essentials, 2 CR200 Network Essentials, 24 and 25	4-port license	-never		85	83	1	
C9200 DNA Essentials, 24-pc C9200 DNA Essentials, 24-pcrt Term	ort Term licenses	multipl	e terms	85	84	1	
STEP 1 ~ Enter Request Code Product Instance Details Product Type: UDI PID: UDI Serial Number;	STEP 2 V Select Licenses C9200 C9200-24T	STEP 3 Review and confirm	STEP 4 Authorization	, n Code			
Licenses to Reserve							
License			Expires		Quantity to Re	serve	
Level 2 C9200 Network Essentials, 24- C9200 Network Essentials, 24-port loc	port license		-never-		1		
C9200 DNA Essentials, 24-port C9200 DNA Essentials, 24-port Term in	t Term licenses				1		
				Ca	ncel Back	Generate Authoriza	tion Code

生成授權碼後,請將其下載為**檔案**或**複製到剪貼簿**。

STEP 1 🗸	STEP 2 V	STEP 3 -	STEP 4		
Enter Request Code	Select Licenses	Review and confirm	Authorization Code		
The Reservation Authorizat Enter this code into the Smi	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:	C9200-24T				
UDI Serial Number:					
Authorization Code:					
<pre><specificplr> <authorizationcod centifiement> stag> regid 2018.0 <license type="">PERPETUAL <lice license <tagdescription><subscr <count> <license <tagdescription=""><subscr <count> <license <tagdescription=""><subscr <count> count> <startdate>20 Term licenses </startdate></count></subscr </license></count></subscr </license></count></subscr </tagdescription></lice </license></authorizationcod </specificplr></pre>	ie> «flag> A «flag> «version> C «versi 5.com.cisco. C9200-NW-E-24.1.0 nnseType>-«displayName> C9200 Ni gitoniD>-YubscriptioniD>-elentitien 20.Dec-03 UTC «istariDate>-endDa inDescription>C9200 DNA Essentia	on>-spik twork Essentials, 24-part scense-sass ent>-entitiement>-stag>regid 2018-02 te>2023-Dec-02 UTC-rendDate>-size (s, 24-port Term licenses <td>vipid><timestamp>1608013269804 sg><counth 1<="" counth-startdate=""> sigName><tagdescription>C9200 Network Essature com cisoc C9200-DNA-E-24,1.0 rseType>TERM rseType><term< p=""> csubscriptioniD></term<></tagdescription></counth></timestamp></td> <td>timestamp> <entitiementa> endDate> <lenddate> tiale_24-port 200 DNA Essentials, 24-port sp-</lenddate></entitiementa> =</td> <td></td>	vipid> <timestamp>1608013269804 sg><counth 1<="" counth-startdate=""> sigName><tagdescription>C9200 Network Essature com cisoc C9200-DNA-E-24,1.0 rseType>TERM rseType><term< p=""> csubscriptioniD></term<></tagdescription></counth></timestamp>	timestamp> <entitiementa> endDate> <lenddate> tiale_24-port 200 DNA Essentials, 24-port sp-</lenddate></entitiementa> =	
To learn how to enter this code, se	e the configuration guide for the pro	duct being licensed			
			Download as	File Copy to Clipboard	Close

9.按一下「Download Template」,然後下載許可證保留模板,如下圖所示。

Upload License Re	servation File	×
Select CSV file	🛓 Download Template	^
Drag and Drop	Here	
Select a file from you	ur computer	
Click continue button to import the CSV file	from your client machine.	~
Cancel		
Switches		

如圖所示,更新DeviceName、Serial No.、RequestCode(來自步驟5.)和之前複製的 Authorization Code(步驟8.)欄位的資訊。

1	A	В	С	D	E	F	G	н	1
1	IPAddress	DeviceName	SerialNumber	RequestCode	Authoriza	tionCode			
2	10.1.	DNASW001.	ABCDEF12345	CB-ZC9200-24T:LhGz	MEUCIQD	NMGgBh3	0N2tamddi	Ht3GtFKKql	P30rPWDZ2
3									

10.在CSV檔案準備就緒後,按一下**上傳CSV**以將授權代碼上傳到裝置。這會將SLR許可證安裝到裝 置上,並且許可證將獲得授權在裝置上運行的DNA許可證,如下圖所示。

Upload License Reser	rvation File	\times
Select CSV file	🛓 Download Template	^
I licenseReservationTempla	ate.csv <u>च</u>	
Click continue button to import the CSV file from	your client machine.	~
Cancel Co Switches	ntinue	

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
				۱., I	
		Showing	1 of 1		
		Cancel	Confirm		



您應該會看到「Registration Status(註冊狀態)」更改為「**Registered - SLR**(已註冊 — SLR)」。

Cisco DNA Center					License Management						C	2		٥	0	
								Last updated: 1	:09 pm	C Refresh	đ) Exp	ort	0 R	ecent	
Y Filter Actions ∨ 🖄 Upload CSV												ΞQ	Find			
	Device Name	Device Family	IP Address	Device Series	DNA License -	DNA License Expiry	License Mode	Network License	Virtual Account	Site	,		Registration status			
	Switch	Switches and Hubs	10.1.100.10	Cisco Catalyst 9200 Series Switches	Essentials	Mar 21, 2021 🛕 88 Deys	SL.	Essentials	NA	Una	Unassigned			Unregistered		
	Switch	Switches and Hubs	10.1.100.11	Cisco Catalyst 9200 Series Switches	Essentials	NA	SL	Essentials	NA	Una	Unassigned		Registered - SLR			
	Switch	Switches and Hubs	10.1.100.12	Cisco Catalyst 9200 Series Switches	Essentials	NA	SL	Essentials	NA	Uni	issigni	м	Reg SLR	istered	-	

關於此翻譯

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