

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。

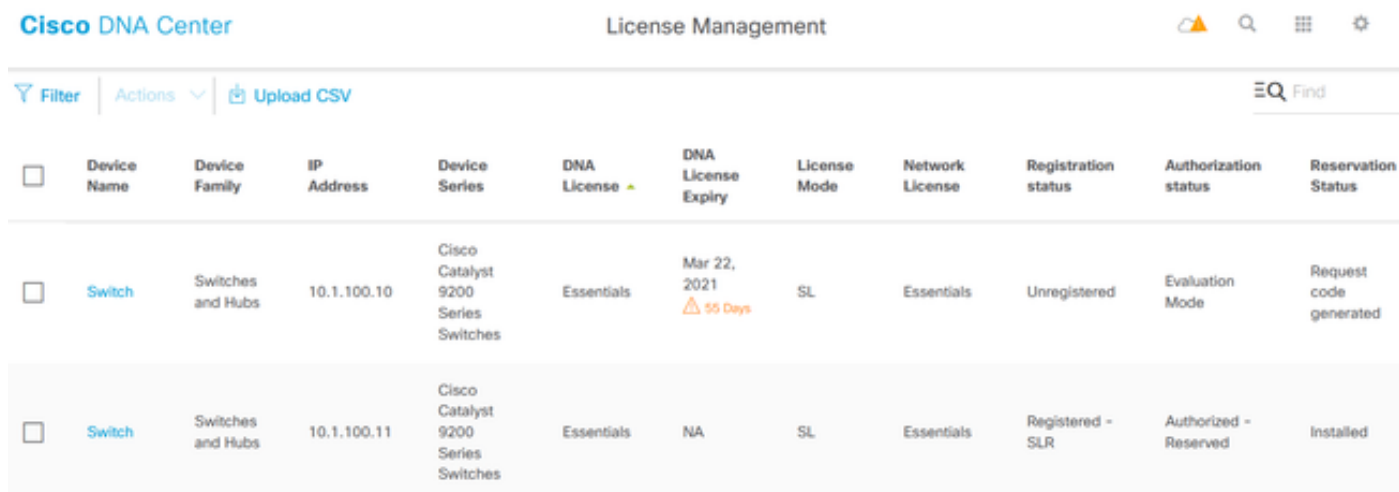
本文檔依賴於DNA Center作為許可證管理器。將DNA Center連線到Internet非常重要，這樣它就可以收集客戶通過其智慧帳戶/虛擬帳戶購買的所有許可證的資訊。一旦DNA Center獲得此資訊，它就可以離線，並且其餘步驟都可以在沒有DNA Center和交換機連線到Internet的情況下執行。

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。

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。

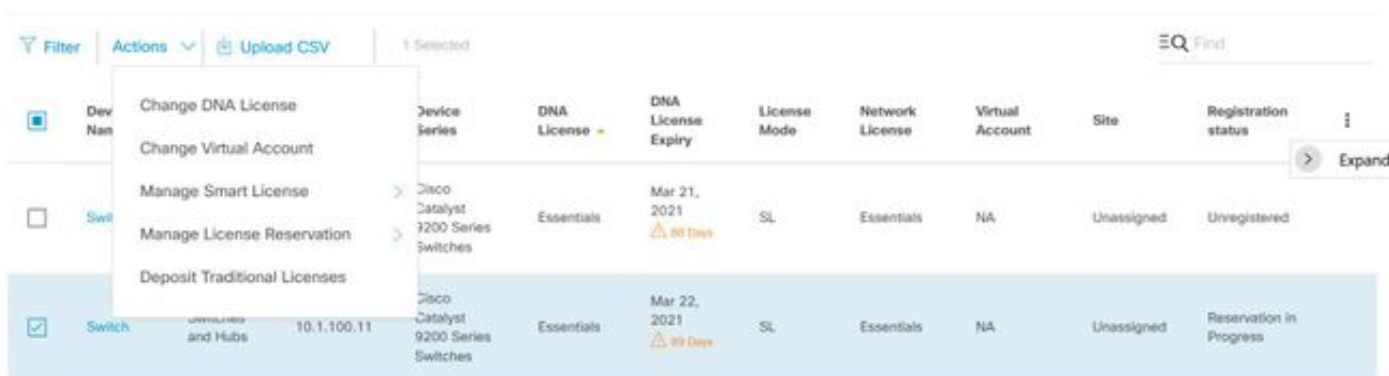


The screenshot shows the Cisco DNA Center License Management interface. At the top, there are navigation icons and a search bar. Below that, there are tabs for 'Filter', 'Actions', and 'Upload CSV'. The main content is a table with the following columns: Device Name, Device Family, IP Address, Device Series, DNA License, DNA License Expiry, License Mode, Network License, Registration status, Authorization status, and Reservation Status. Two rows are visible:

Device Name	Device Family	IP Address	Device Series	DNA License	DNA License Expiry	License Mode	Network License	Registration status	Authorization status	Reservation Status
Switch	Switches and Hubs	10.1.100.10	Cisco Catalyst 9200 Series Switches	Essentials	Mar 22, 2021 55 Days	SL	Essentials	Unregistered	Evaluation Mode	Request code generated
Switch	Switches and Hubs	10.1.100.11	Cisco Catalyst 9200 Series Switches	Essentials	NA	SL	Essentials	Registered - SLR	Authorized - Reserved	Installed

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。

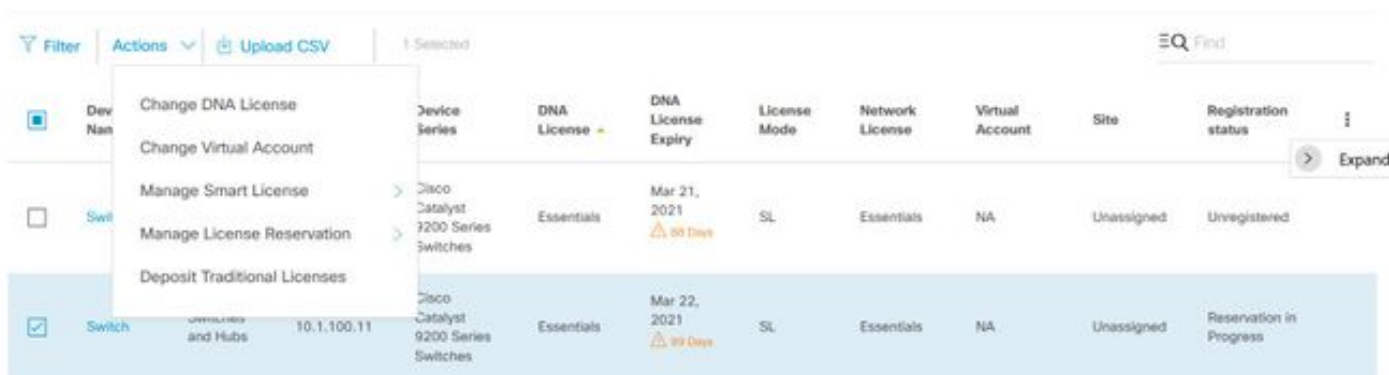
3.一旦交換機出現在DNA中心清單中。導航到License Manager > All Licenses。選擇要將DNA許可證新增到其中的交換機，如下圖所示。



The screenshot shows the Cisco DNA Center License Manager interface. A context menu is open over a device row. The menu options are: Change DNA License, Change Virtual Account, Manage Smart License, Manage License Reservation, and Deposit Traditional Licenses. The device row has the following data:

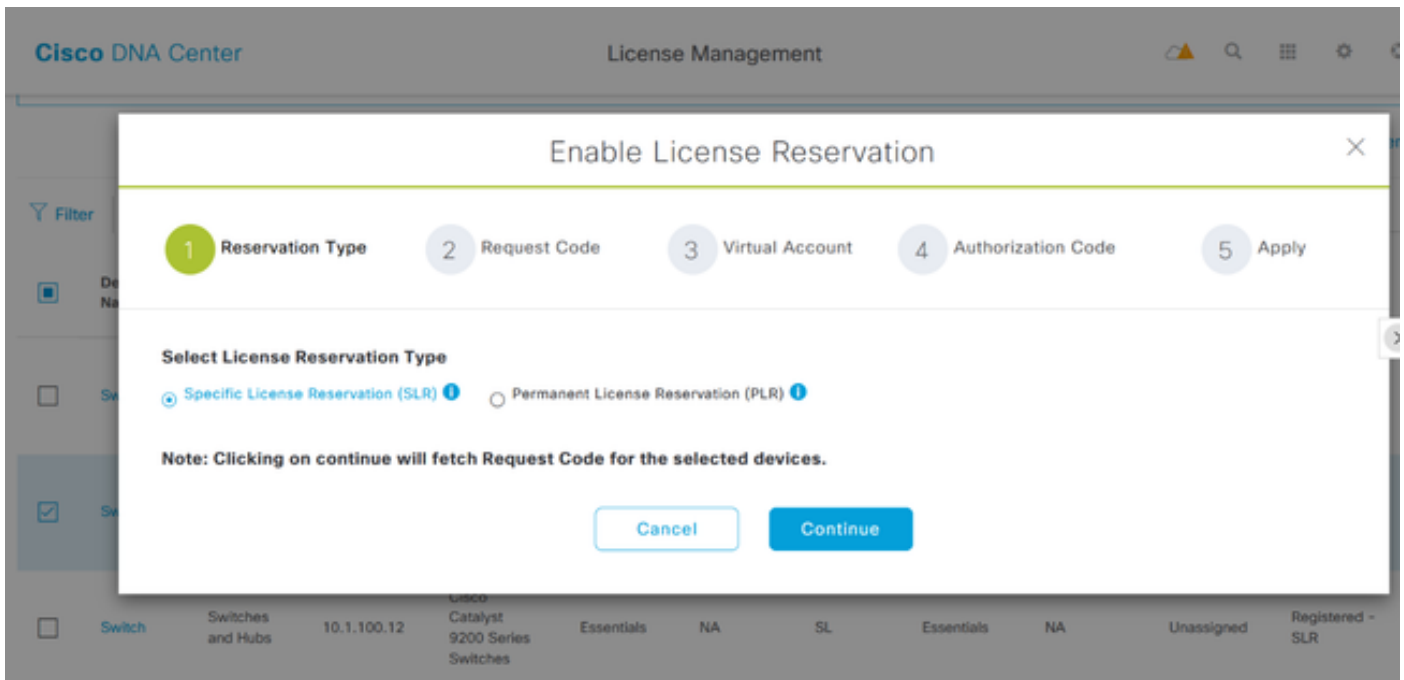
Device Name	Device Family	IP Address	Device Series	DNA License	DNA License Expiry	License Mode	Network License	Virtual Account	Site	Registration status
Switch	Switches and Hubs	10.1.100.11	Cisco Catalyst 9200 Series Switches	Essentials	Mar 21, 2021 50 Days	SL	Essentials	NA	Unassigned	Unregistered
Switch	Switches and Hubs	10.1.100.11	Cisco Catalyst 9200 Series Switches	Essentials	Mar 22, 2021 59 Days	SL	Essentials	NA	Unassigned	Reservation in 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。



The screenshot shows the Cisco DNA Center License Manager interface. A context menu is open over a device row. The menu options are: Change DNA License, Change Virtual Account, Manage Smart License, Manage License Reservation, and Deposit Traditional Licenses. The device row has the following data:

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	10.1.100.11	Cisco Catalyst 9200 Series Switches	Essentials	Mar 21, 2021 50 Days	SL	Essentials	NA	Unassigned	Unregistered
Switch	Switches and Hubs	10.1.100.11	Cisco Catalyst 9200 Series Switches	Essentials	Mar 22, 2021 59 Days	SL	Essentials	NA	Unassigned	Reservation in Progress



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** ▼

License	Billing	Purchased	In Use	Substitution	Balance	Alerts
<input type="checkbox"/> Aironet DNA Advantage Term Licenses	Prepaid	3	0	-	+3	
<input type="checkbox"/> AP Perpetual Networkstack Advantage	Prepaid	3	0	-	+3	
<input type="checkbox"/> C9200 DNA Essentials, 24-port Term licenses	Prepaid	85	1 (1 Reserved)	-	+84	
<input type="checkbox"/> C9200 Network Essentials, 24-port license	Prepaid	85	1 (1 Reserved)	-	+84	
<input type="checkbox"/> C9200L DNA Essentials, 24-port Term license	Prepaid	2	0	-	+2	
<input type="checkbox"/> C9200L DNA Essentials, 48-port Term license	Prepaid	2	0	-	+2	
<input type="checkbox"/> C9200L Network Essentials, 24-port license	Prepaid	2	0	-	+2	
<input type="checkbox"/> C9200L Network Essentials, 48-port license	Prepaid	2	0	-	+2	
<input type="checkbox"/> C9300 48P DNA Advantage	Prepaid	5	0	-	+5	
<input type="checkbox"/> C9300 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。

General		Licenses	Product Instances	Event Log			
Available Actions ▾		Manage License Tags	License Reservation...				
Search by							
<input type="checkbox"/>	License	Billing	Purchased	In Use	Substitution	Balance	Alerts
<input type="checkbox"/>	Alronet DNA Advantage Term Licenses	Prepaid	3	0	-	+ 3	
<input type="checkbox"/>	AP Perpetual Networkstack Advantage	Prepaid	3	0	-	+ 3	
<input type="checkbox"/>	C9200 DNA Essentials, 24-port Term licenses	Prepaid	85	1 (1 Reserved)	-	+ 84	
<input type="checkbox"/>	C9200 Network Essentials, 24-port license	Prepaid	85	1 (1 Reserved)	-	+ 84	
<input type="checkbox"/>	C9200L DNA Essentials, 24-port Term license	Prepaid	2	0	-	+ 2	
<input type="checkbox"/>	C9200L DNA Essentials, 48-port Term license	Prepaid	2	0	-	+ 2	
<input type="checkbox"/>	C9200L Network Essentials, 24-port license	Prepaid	2	0	-	+ 2	
<input type="checkbox"/>	C9200L Network Essentials, 48-port license	Prepaid	2	0	-	+ 2	
<input type="checkbox"/>	C9300 48P DNA Advantage	Prepaid	5	0	-	+ 5	
<input type="checkbox"/>	C9300 48P Network Advantage	Prepaid	5	0	-	+ 5	

STEP 1 **1** Enter Request Code

STEP 2 Select Licenses

STEP 3 Review and confirm

STEP 4 Authorization Code

You can reserve licenses for product instances that cannot connect to the Internet for security reasons. You will begin by generating a Reservation Request Code from the product instance. To learn how to generate this code, see the configuration guide for the product being licensed.

Once you have generated the code:

- 1) Enter the Reservation Request Code below
- 2) Select the licenses to be reserved
- 3) Generate a Reservation Authorization Code
- 4) Enter the Reservation Authorization Code on the product instance to activate the features

• Reservation Request Code:

CB-ZC9200-24T--22

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

STEP 1 ✓ Enter Request Code

STEP 2 **Select Licenses**

STEP 3 Review and confirm

STEP 4 Authorization Code

Product Instance Details

Product Type: C9200
 UDI PID: C9200-24T
 UDI Serial Number: XXXXXXXXXX

Licenses to Reserve

In order to continue, ensure that you have a surplus of the licenses you want to reserve in the Virtual Account.

Reserve a specific license

License	Expires	Purchased	Available	Reserve
Level 2 Supports substitution				
C9200 Network Essentials, 24-port license <small>C9200 Network Essentials, 24-port license</small>	-never-	85	83	<input type="text" value="1"/>
C9200 DNA Essentials, 24-port Term licenses <small>C9200 DNA Essentials, 24-port Term licenses</small>	multiple terms	85	84	<input type="text" value="1"/>

Cancel Next

STEP 1 ✓ Enter Request Code

STEP 2 ✓ Select Licenses

STEP 3 **Review and confirm**

STEP 4 Authorization Code

Product Instance Details

Product Type: C9200
 UDI PID: C9200-24T
 UDI Serial Number: XXXXXXXXXX

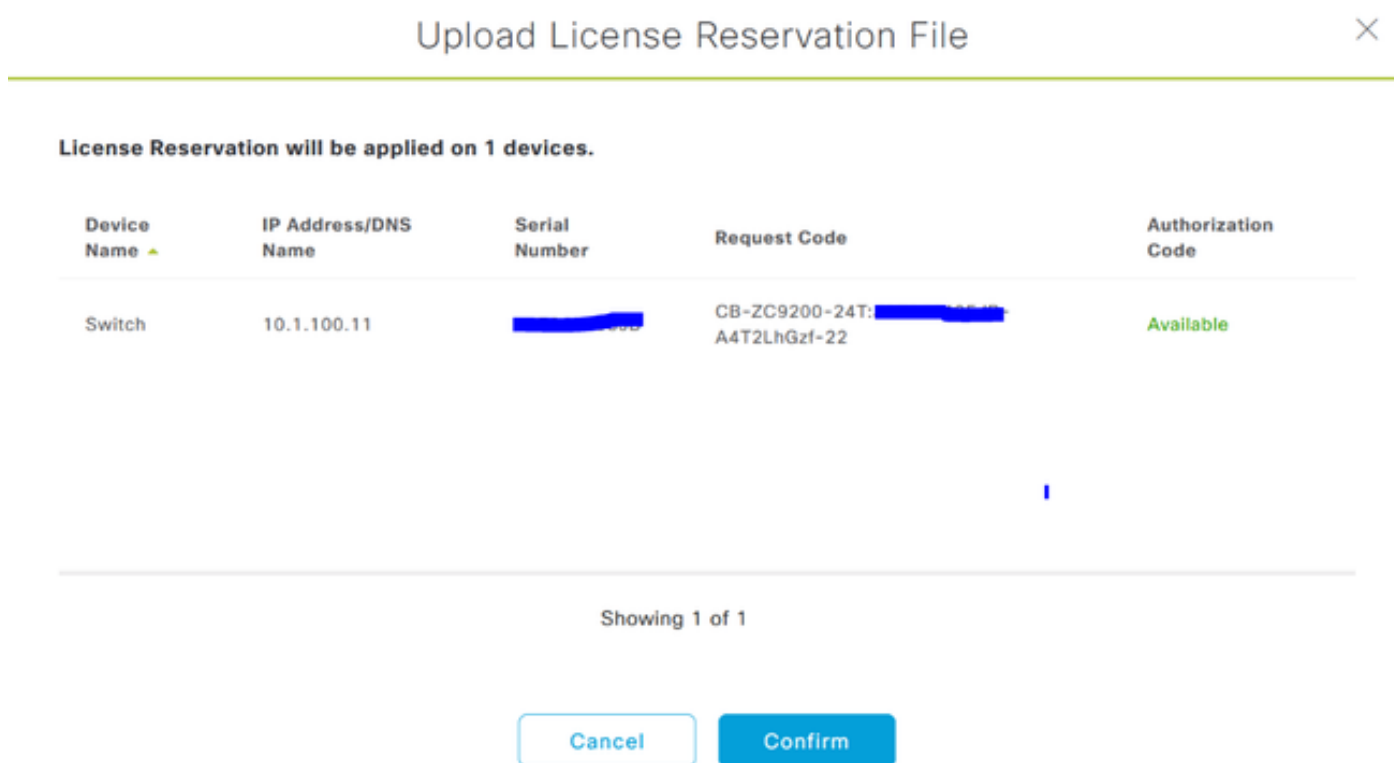
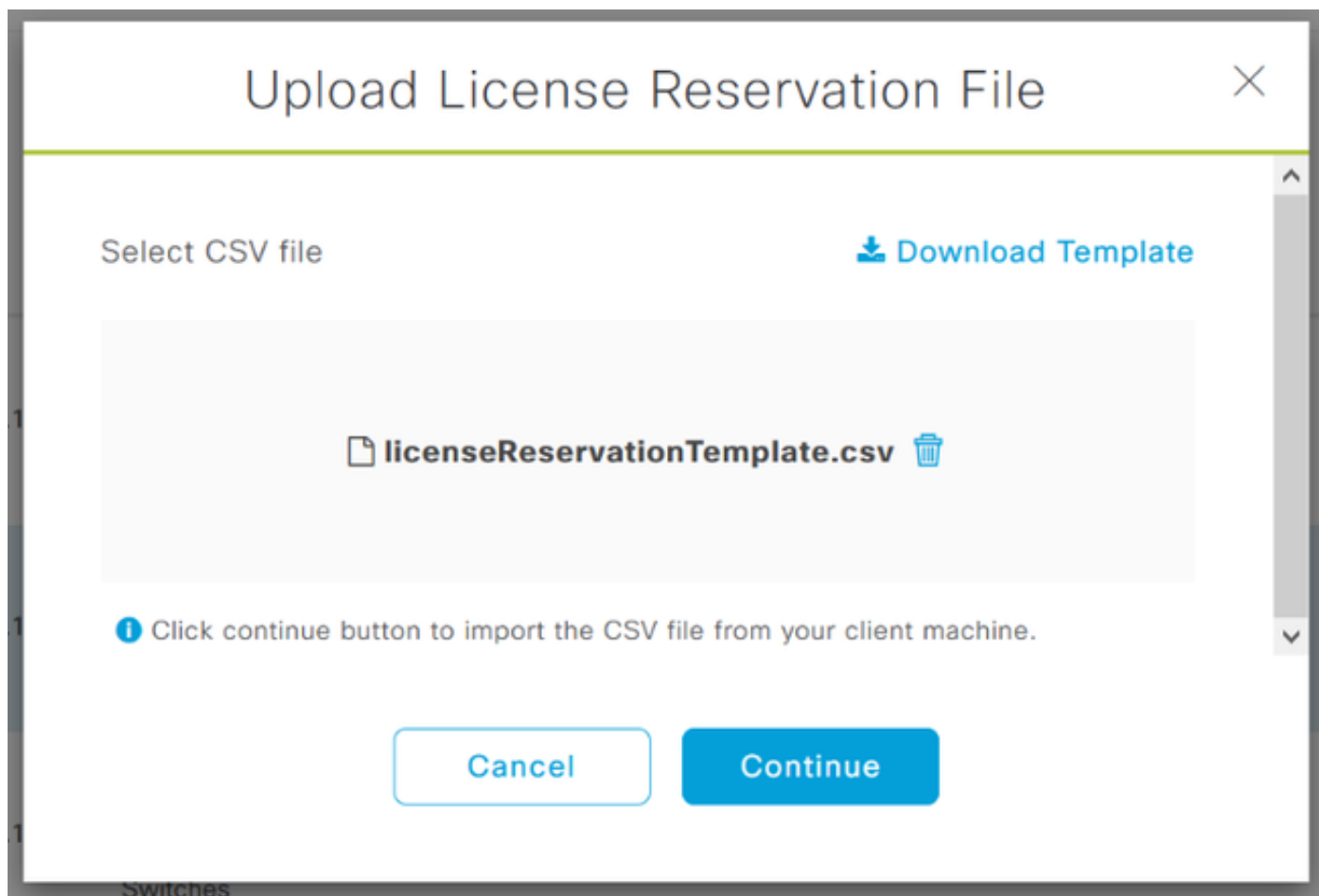
Licenses to Reserve

License	Expires	Quantity to Reserve
Level 2		
C9200 Network Essentials, 24-port license <small>C9200 Network Essentials, 24-port license</small>	-never-	1
C9200 DNA Essentials, 24-port Term licenses <small>C9200 DNA Essentials, 24-port Term licenses</small>	-	1

Cancel Back **Generate Authorization Code**

生成授權碼後，請將其下載為檔案或複製到剪貼簿。

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。





Saved

Initiated License reservation for 1 devices.

OK

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

Last updated: 1:09 pm Refresh Export Recent

Filter Actions Upload CSV Find

<input type="checkbox"/>	Device Name	Device Family	IP Address	Device Series	DNA License	DNA License Expiry	License Mode	Network License	Virtual Account	Site	Registration status
<input type="checkbox"/>	Switch	Switches and Hubs	10.1.100.10	Cisco Catalyst 9200 Series Switches	Essentials	Mar 21, 2021 ⚠ 88 Days	SL	Essentials	NA	Unassigned	Unregistered
<input type="checkbox"/>	Switch	Switches and Hubs	10.1.100.11	Cisco Catalyst 9200 Series Switches	Essentials	NA	SL	Essentials	NA	Unassigned	Registered - SLR
<input type="checkbox"/>	Switch	Switches and Hubs	10.1.100.12	Cisco Catalyst 9200 Series Switches	Essentials	NA	SL	Essentials	NA	Unassigned	Registered - SLR

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）。