

為CUCM版本12.5啟用特定許可證保留

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簡介

本檔案介紹Cisco Unified Communications Manager(CUCM)版本12.5的特定許可保留。

必要條件

需求

思科建議您瞭解以下主題：

- CUCM版本12.5

注意：為了為您的帳戶啟用「特定許可證保留」選項，請與許可團隊建立案例。

採用元件

本檔案中的資訊是根據Cisco Call Manager版本12.5

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除（預設）的組態來啟動。如果您的網路運作中，請確保您瞭解任何指令可能造成的影響。

背景資訊

特定許可證保留是用於高度安全網路的一項功能。它為您提供了一種方法，使您無需通訊使用資訊即可在裝置（產品例項 — Unified Communications Manager）上部署軟體許可證。

您可以根據Unified Communications Manager產品指定和保留永久或基於期限的許可證。在交換授權碼後，在保留發生更改之前，不需要進行常規產品同步。保留的許可證在Cisco Smart Software Manager中仍被阻止，除非從產品中發放返回代碼。

此功能可通過CLI使用，目前還沒有GUI選項。

產品例項評估模式

安裝後，統一通訊管理器在90天的評估期內運行。在評估期結束時，在向Cisco Smart Software Manager或Cisco Smart Software Manager衛星註冊之前，Unified Communications Manager不允許新增新使用者或裝置。

註：評估期在產品註冊之前。

程式

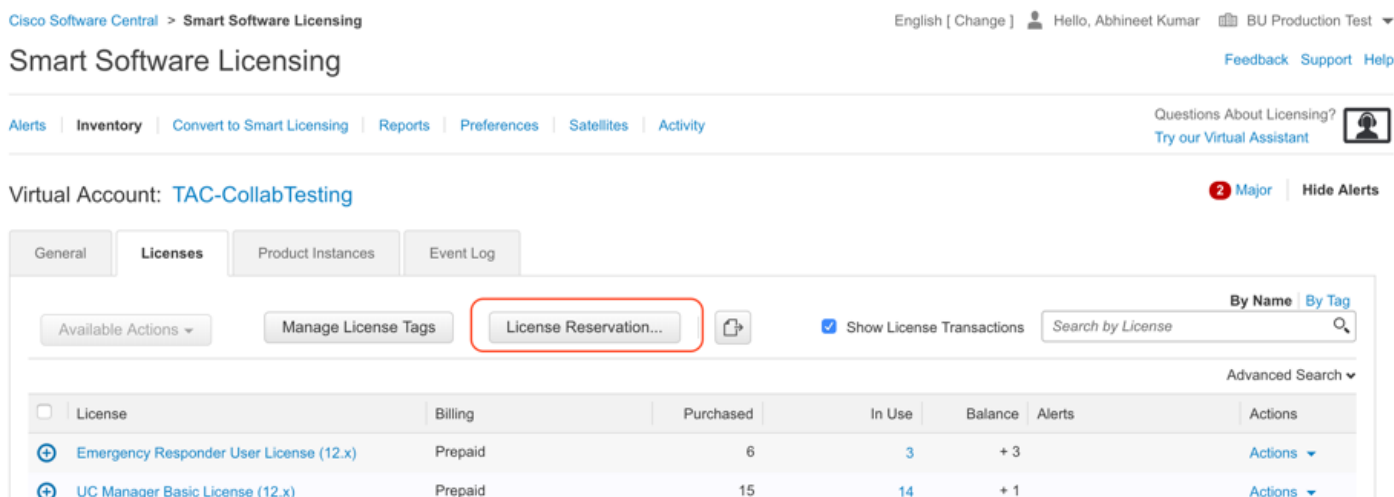
以下是啟用特定許可證保留功能的過程：

步驟1.裝置未連線到Internet且處於未註冊狀態。

步驟2.使用CLI啟用該功能並獲取許可證保留請求代碼。

```
admin:license smart reservation enable License reservation mode is enabled successfully.  
admin:license smart reservation request P:UCM,S:cc920,U:e53fc968-0253-4d61-a355-ba908a6cc920 -->  
UDI
```

步驟3.登入CSSM (思科雲服務) 並輸入保留代碼。



The screenshot shows the Cisco Software Central interface for Smart Software Licensing. The page title is "Smart Software Licensing" and the user is logged in as "Hello, Abhineet Kumar". The interface includes a navigation menu with options like "Alerts", "Inventory", "Convert to Smart Licensing", "Reports", "Preferences", "Satellites", and "Activity". The "Licenses" tab is selected, and the "License Reservation..." button is highlighted with a red box. Below the navigation, there is a table of licenses with columns for License, Billing, Purchased, In Use, Balance, Alerts, and Actions. The table contains two rows: "Emergency Responder User License (12.x)" and "UC Manager Basic License (12.x)".

License	Billing	Purchased	In Use	Balance	Alerts	Actions
Emergency Responder User License (12.x)	Prepaid	6	3	+ 3		Actions
UC Manager Basic License (12.x)	Prepaid	15	14	+ 1		Actions

Smart License Reservation

STEP 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:

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

步驟4.選擇必須購買的許可證，並且您要為此裝置保留這些許可證。

步驟5.將生成授權碼，該授權碼包含允許在產品例項上使用的授權標籤和計數清單。

步驟6.將此授權代碼帶回產品例項，並使用CLI進行安裝。

Smart License Reservation

STEP 1 ✓
Enter Request Code

STEP 2 ✓
Select Licenses

STEP 3 ✓
Review and confirm

STEP 4
Authorization Code

Enter this code into the Smart Licensing settings for the product, to enable the licensed features.

Product Instance Details

Product Type:	UCL
UDI PID:	UCM
UDI Serial Number:	cc920
UUID:	e53fc968-0253-4d61-a355-ba908a6cc920

Authorization Code:

```

<specificPLR><authorizationCode><flag>A</flag><version>C</version><piid>6ca07f56-145c-4ace-bdc2-40417fd49d47</piid><timestamp>1552292522579</timestamp><entitlements>
<entitlement><tag>regid.2017-02.com.cisco.UCM_CUWL,12.0_cc59375a-1cd8-4b36-8366-6f4d2abba965</tag><count>5</count><startDate><endDate></endDate>
<licenseType>PERPETUAL</licenseType><displayName>UC Manager CUWL License (12.X)</displayName><tagDescription>UC Manager CUWL License (12.X)</tagDescription>
<subscriptionID></subscriptionID></entitlement><entitlement><tag>regid.2016-07.com.cisco.UCM_EnhancedPlus,12.0_d8372792-588c-4caa-b279-8587e5ce2f82</tag><count>5</count>
<startDate></startDate><endDate></endDate><licenseType>PERPETUAL</licenseType><displayName>UC Manager Enhanced Plus License (12.x)</displayName><tagDescription>UC Manager
Enhanced Plus License</tagDescription><subscriptionID></subscriptionID></entitlement><entitlement><tag>regid.2016-07.com.cisco.UCM_Essential,12.0_25f9c396-c67c-4519-aa98-

```

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

管理員：許可證智慧預留安裝

license smart reservation install "

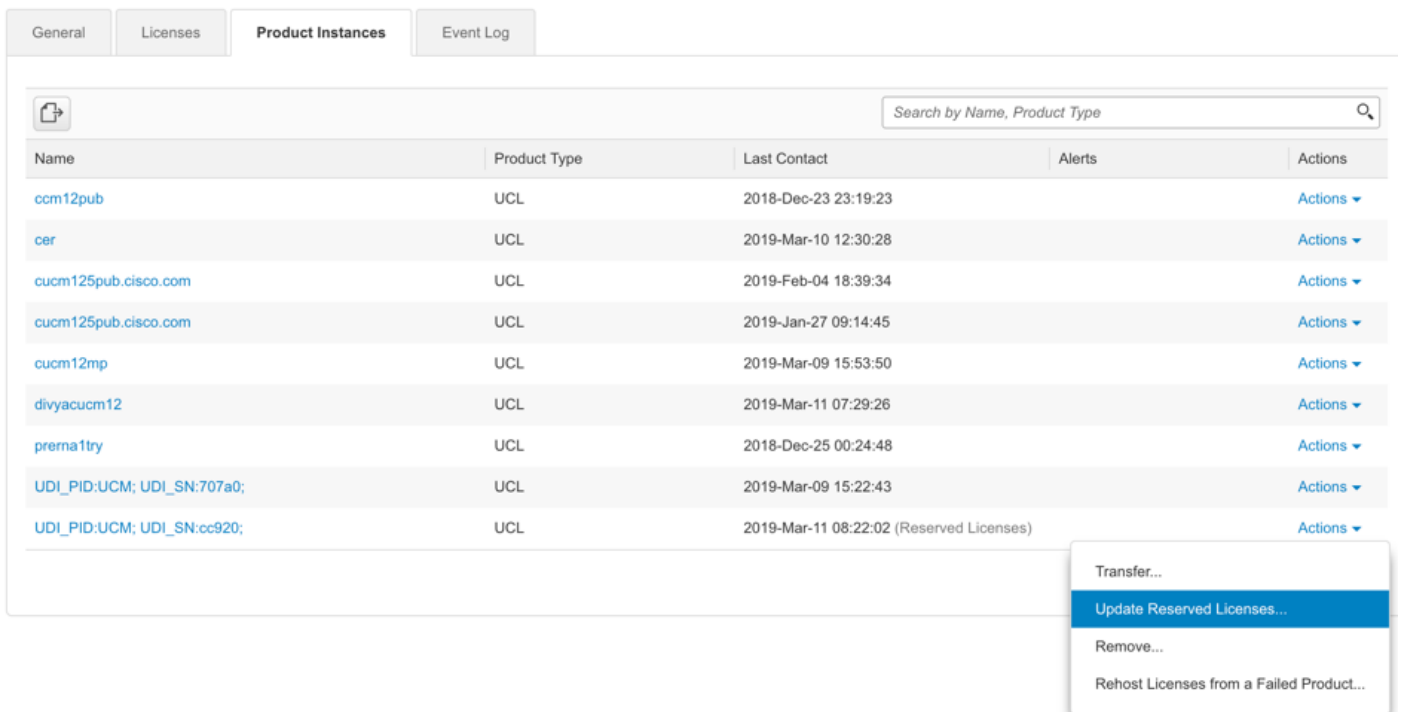
"
已成功安裝授權代碼。

步驟7.如果您需要獲得更多產品例項的許可證，可以從CSSM門戶進行操作，以更新保留的許可證並獲得新的授權代碼。

將授權代碼複製到生產例項，然後執行license smart reservation install <authorization-code>命令進行安裝。

成功安裝授權碼後，在產品上生成確認碼。

將確認代碼複製到CSSM並輸入以完成保留更新。



The screenshot shows the 'Product Instances' tab in the CSSM interface. It features a table with columns for Name, Product Type, Last Contact, Alerts, and Actions. A search bar is located at the top right. A context menu is open over the 'Actions' column of the last row, with 'Update Reserved Licenses...' highlighted.

Name	Product Type	Last Contact	Alerts	Actions
ccm12pub	UCL	2018-Dec-23 23:19:23		Actions ▾
cer	UCL	2019-Mar-10 12:30:28		Actions ▾
cucm125pub.cisco.com	UCL	2019-Feb-04 18:39:34		Actions ▾
cucm125pub.cisco.com	UCL	2019-Jan-27 09:14:45		Actions ▾
cucm12mp	UCL	2019-Mar-09 15:53:50		Actions ▾
divyacucm12	UCL	2019-Mar-11 07:29:26		Actions ▾
prema1try	UCL	2018-Dec-25 00:24:48		Actions ▾
UDI_PID:UCM; UDI_SN:707a0;	UCL	2019-Mar-09 15:22:43		Actions ▾
UDI_PID:UCM; UDI_SN:cc920;	UCL	2019-Mar-11 08:22:02 (Reserved Licenses)		Actions ▾

- Transfer...
- Update Reserved Licenses...
- Remove...
- Rehost Licenses from a Failed Product...

license smart reservation install "

"

Update License Reservation

STEP 1 ✓
Select Licenses

STEP 2 ✓
Review and confirm

STEP 3
Authorization Code

✓ The Reservation Authorization Code below has been generated for this product instance. Several steps remain:

1. This code must be entered into the Product Instance's Smart Licensing settings to complete the reservation.
2. When the code has been entered, a Reservation Confirmation Code will be generated.
3. To release licenses in transition, enter confirmation code generated by device into CSSM.

Authorization Code:

```

<specificPLR><authorizationCode><flag>A</flag><version>C</version><pid>6191f5e5-319e-41ff-abba-be220ea4b2e1</pid><timestamp>1595405336190</timestamp><entitlements>
<entitlement><tag>regid.2017-02.com.cisco.UCM_CUWL_12.0_cc59375a-1cd8-4b36-8366-6f4d2abba965</tag><count>1</count><startDate>2020-Mar-04 UTC</startDate><endDate>2020-
Aug-31 UTC</endDate><licenseType>TERM</licenseType><displayName>UC Manager CUWL License (12.X)</displayName><tagDescription>UC Manager CUWL License</tagDescription>
<subscriptionID></subscriptionID></entitlement><entitlement><tag>regid.2016-07.com.cisco.UCM_Enhanced_12.0_66d0d1cf-4863-4761-91d0-d01d3eb1949a</tag><count>1</count>
<startDate></startDate><endDate></endDate><licenseType>PERPETUAL</licenseType><displayName>UC Manager Enhanced License (12.x)</displayName><tagDescription>UC Manager
Enhanced License</tagDescription><subscriptionID></subscriptionID></entitlement></entitlements></authorizationCode><signature>MEQCIFDLpw4k+0O+Zr3bp
/ucJ3KNyKVGDGumUvN0BuGyvi9JAIBcB6O+c2GxA52FUfAlZdVhHz9xcVbbriraWoavm9Hrw==</signature><udi>P.UCM,S.edb16,U.d9a2c661-8fe1-4ce7-9e6f-bbc68a3edb16</udi>

```

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

Download as File
Copy to Clipboard
Enter Confirmation Code
Close

Figure 1. Reserve Licenses

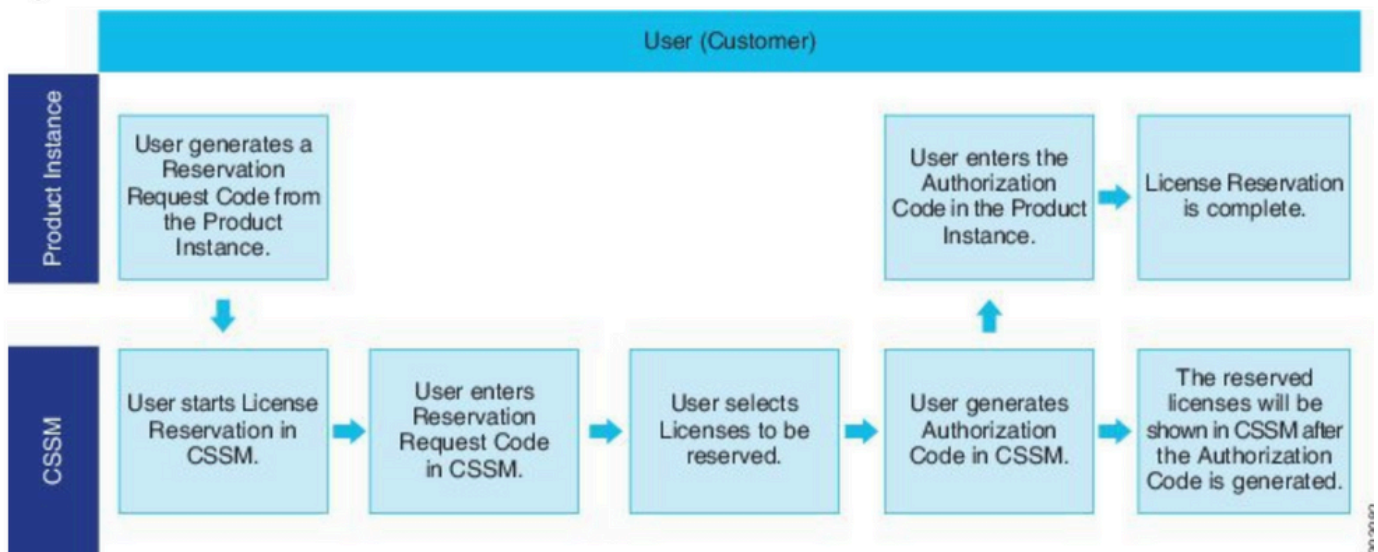
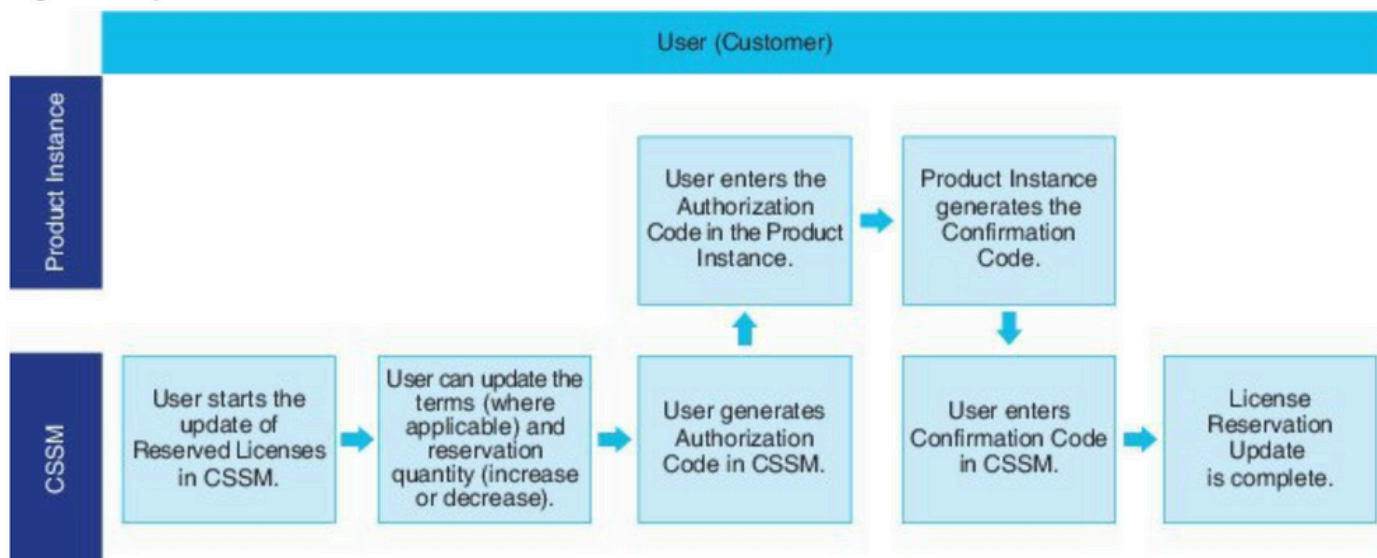


Figure 2. Update Reserve Licenses



驗證

在此圖中，您可以看到啟用智慧許可證保留的CUCM GUI。

License Management

Smart Software Licensing

Registration Status: Registered - Specific License Reservation (Monday, March 11, 2019 1:55:22 PM IST)

License Authorization Status: Authorized - Reserved (Monday, March 11, 2019 1:55:22 PM IST)

Export-Controlled Functionality: Allowed

Licensing Mode: Enterprise

License Usage Report

Below is a summary of current license usage on the system. Current usage details for each type are available by pressing "Update Usage Details". Note that collecting these data is a resource intensive process and may take several minutes to complete.

[View All License Type Descriptions And Device Classifications](#)

Update Usage Details | Usage Details Last Updated: 2019-03-11 13:59:22

License Type	Current Usage	Status	Users(0) Unassigned Devices(0)
CUWL	0	<input checked="" type="checkbox"/> No Licenses in Use	Users(0) Unassigned Devices(0)
Enhanced Plus	0	<input checked="" type="checkbox"/> No Licenses in Use	Users(0)
Enhanced	5	<input checked="" type="checkbox"/> Authorized-Reserved	Users(0) Unassigned Devices(5)
Basic	1	<input checked="" type="checkbox"/> Authorized-Reserved	Users(0) Unassigned Devices(1)
Essential	0	<input checked="" type="checkbox"/> No Licenses in Use	Users(0) Unassigned Devices(0)
TelePresence Room	0	<input checked="" type="checkbox"/> No Licenses in Use	Users(0) Unassigned Devices(0)

Users and Unassigned devices

Users	0	View Usage Report
Unassigned Devices	6	View Usage Report

注意：如果使用了智慧許可證保留功能，則取消註冊產品例項將無法工作。您始終可以使用此處列出的命令返回許可證，具體取決於場景。

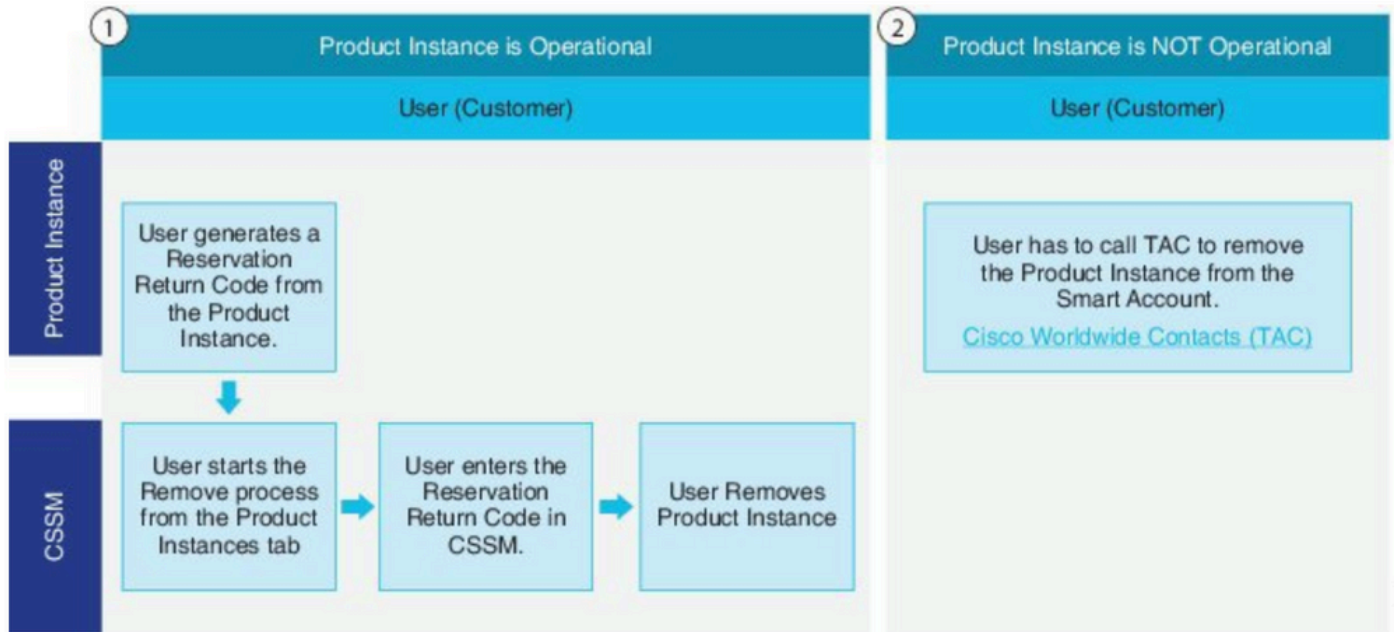
刪除許可證或產品例項

在產品例項(Unified Communications Manager)上保留許可證時，有兩種方法可將該產品從智慧帳戶中刪除，並釋放為該產品例項(Unified Communications Manager)保留的所有許可證。

產品例項可操作（平滑刪除）：您可以在產品例項上建立保留返回代碼（刪除授權代碼），然後將保留返回代碼輸入到思科智慧軟體管理器中，從而返回特定許可證保留授權。

產品例項無法運行（故障/RMA或由於虛擬機器/容器被銷毀）：您必須聯絡TAC，TAC可以從其智慧帳戶中刪除產品例項。

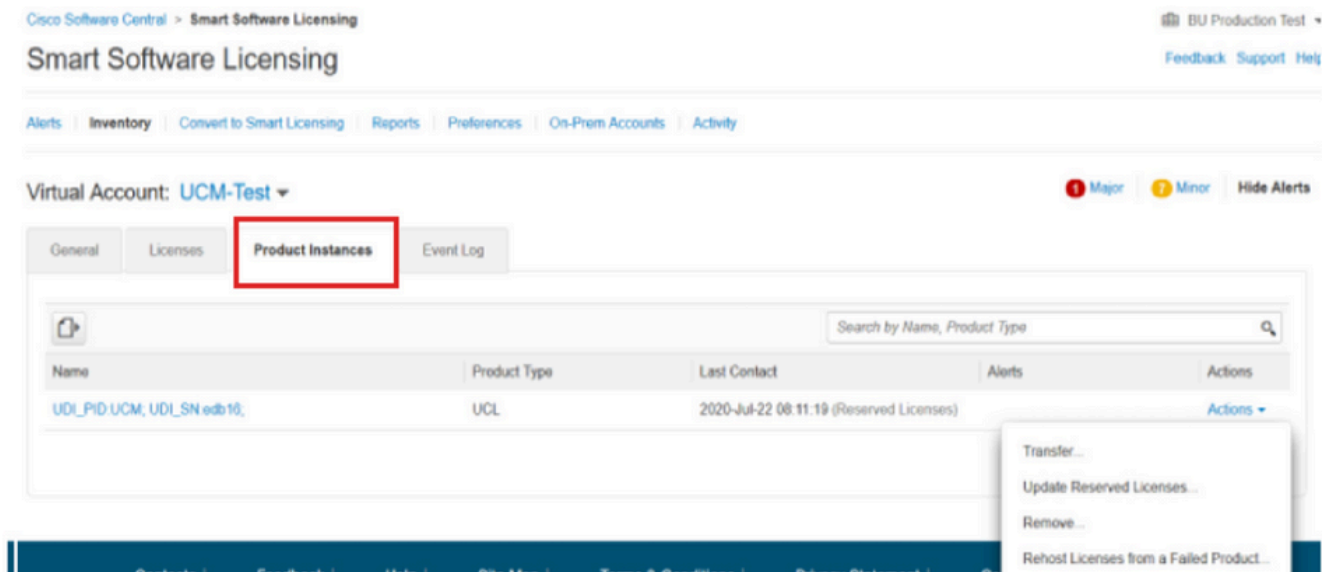
Figure 3. Remove a Product Instance - Unified Communications Manager

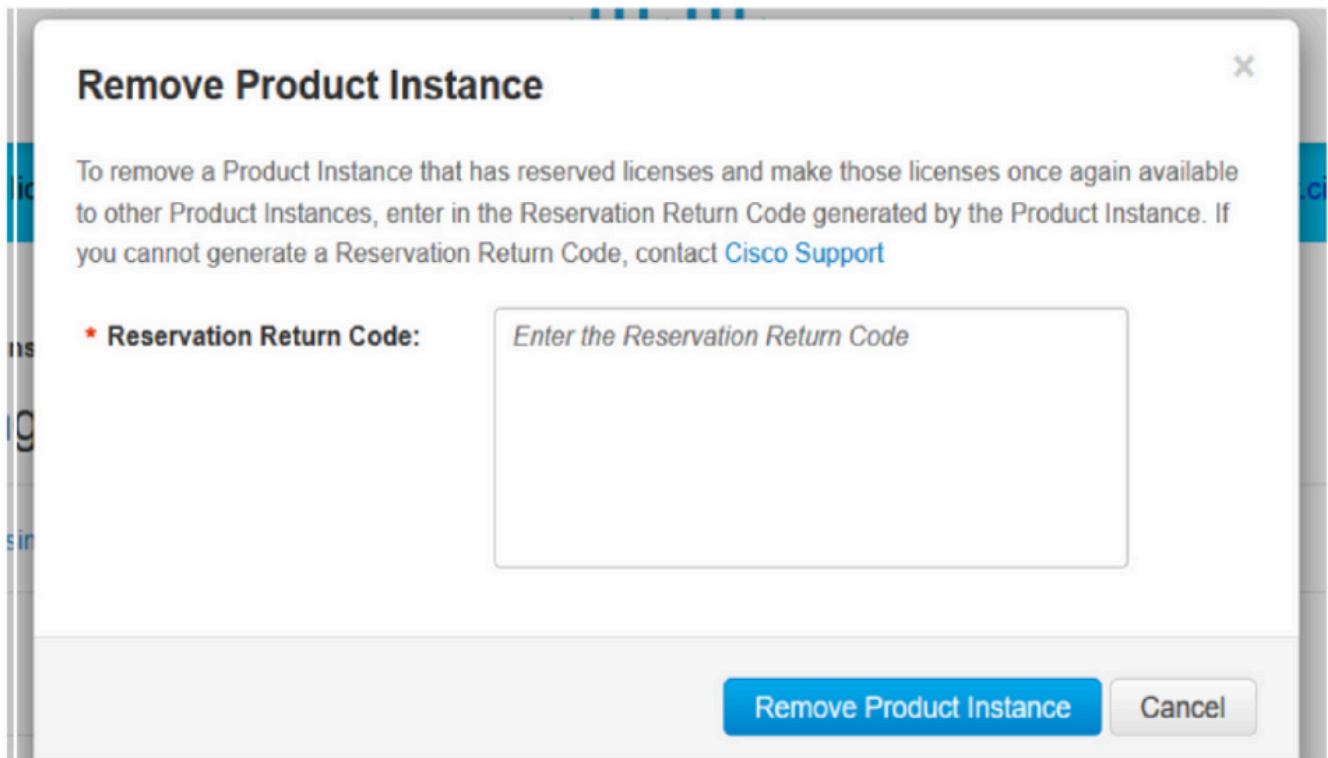


管理員：許可證智慧保留返回

使用此過程可以生成返回代碼，該代碼必須輸入到思科智慧軟體管理器中，才能將許可證返回到虛擬帳戶池，並從CSSM中刪除產品例項。

- 從Cisco Unified CM管理控制檯執行許可證智慧保留返回命令。
- 將預留退貨代碼複製到CSSM並刪除產品例項。





```
license smart reservation return-authorization <authorization-code>
```

使用此過程為尚未安裝的授權代碼生成返回代碼。必須將返回代碼輸入到思科智慧軟體管理器中，才能將許可證返回到虛擬帳戶池並從CSSM中刪除產品例項。

- 從Cisco Unified CM管理控制檯執行許可證智慧保留return-authorization <authorization-code>命令。
- 將預留退貨代碼複製到CSSM並刪除產品例項。

疑難排解

如果發生任何問題，您需要收集以下日誌：

- 智慧代理日誌是slm.log(active/cm/trace/slm/log4j/slm.log)的一部分
- Call home日誌被寫入：
active/cm/trace/slm/log4j/gch.logactive/cm/trace/slm/log4j/tp.log

相關資訊

- [Cisco Unified Communications Manager版本12.5\(1\)SU2的系統配置指南](#)
- [技術支援與文件 - Cisco Systems](#)

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）。