

在Intersight PVA上配置许可证保留的更新和返回

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简介

本文档介绍安装Intersight专用虚拟设备(PVA)后更新和返回许可证的过程。它不包括安装过程中所需的初始预留过程。

先决条件

要求

Cisco建议您对Intersight PVA有基本的了解。

使用的组件

本文档中的信息基于以下软件版本：

- Intersight PVA版本1.0.9-442
- 智能软件许可访问

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。

背景信息

Intersight PVA适用于在断开（气隙）模式下运行数据中心的环境。因此，要安装许可证，您必须使

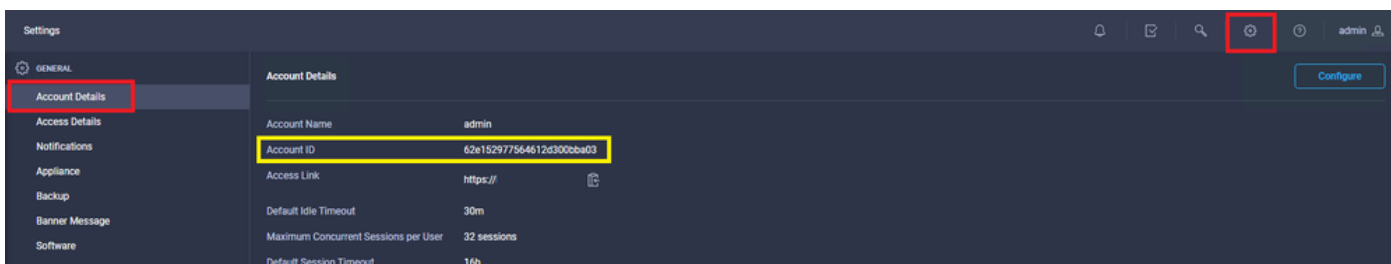
用特定许可证保留(SLR), 这是高度安全的网络的一项功能。它为客户提供了一种在设备 (产品实例) 上部署软件许可证的方法, 而无需向思科传达使用信息。

配置

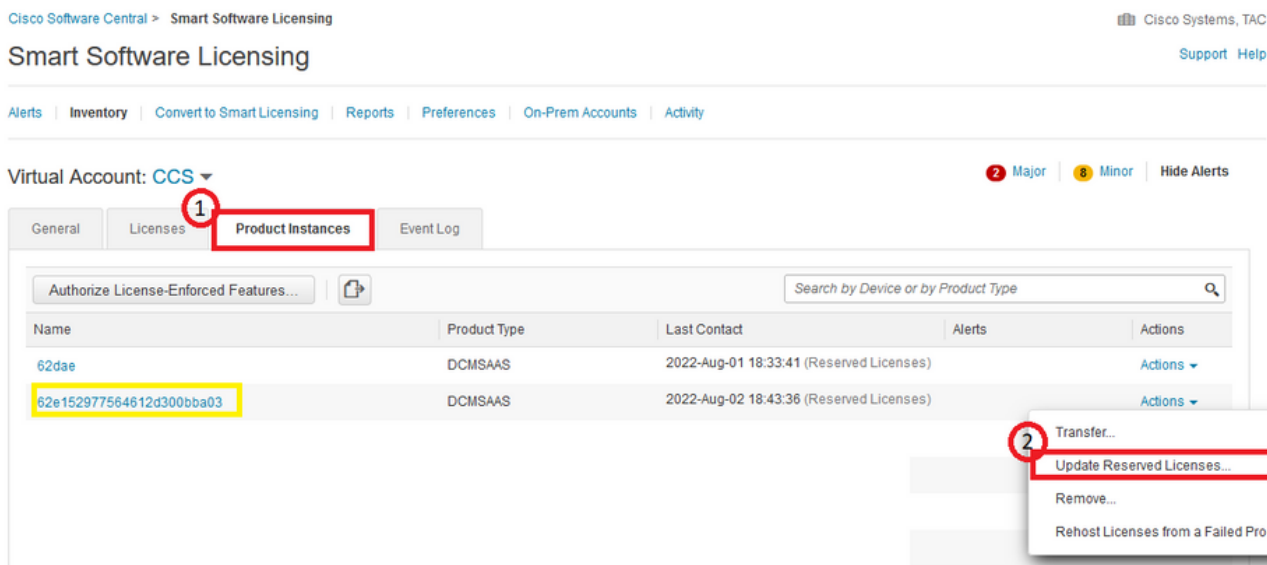
更新许可证保留

登录您的思科智能软件管理器, 导航到正确的虚拟帐户, 选择产品实例选项卡, 并确定您的帐户ID。

提示: 要在Intersight上识别您的帐户ID, 请导航到设置>常规>帐户详细信息



从Actions下拉菜单中, 选择Update Reserved Licenses。

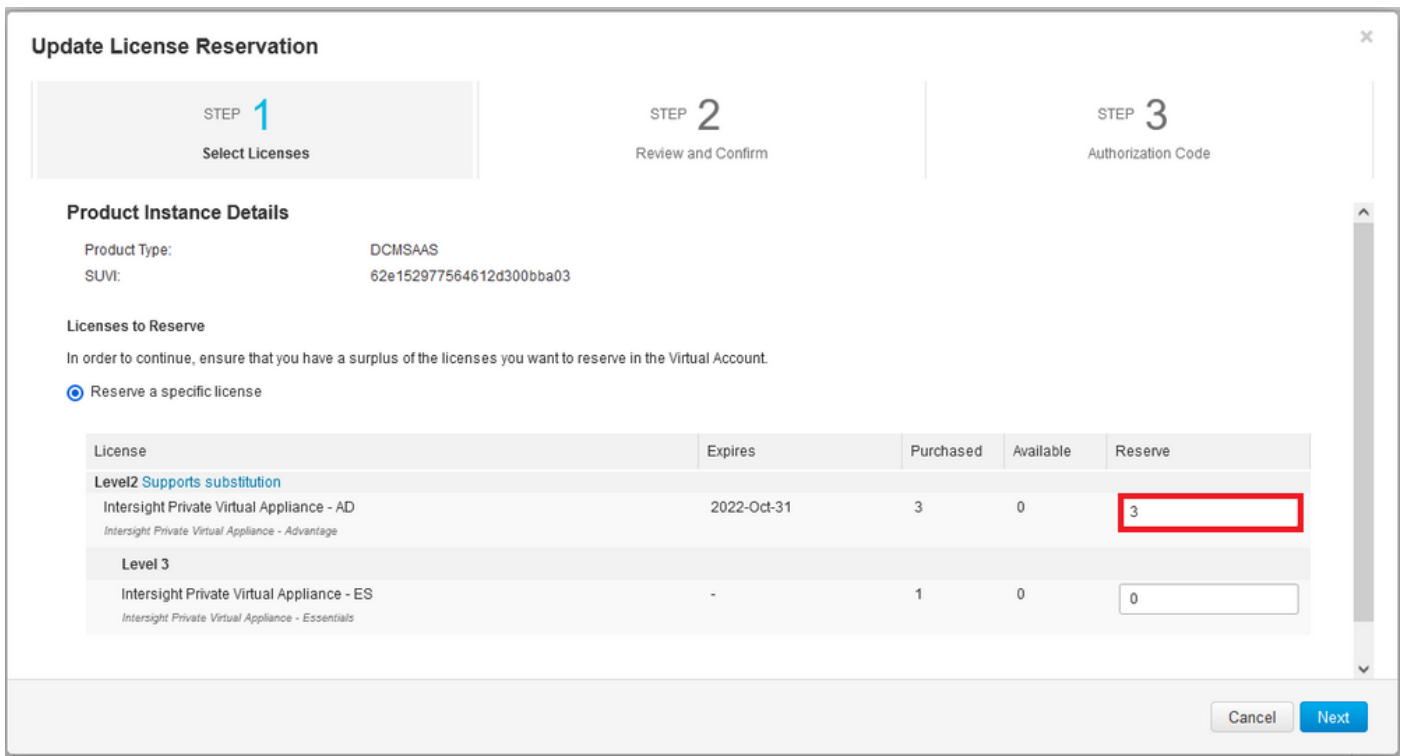


系统将显示更新许可证保留向导。

步骤1.选择许可证

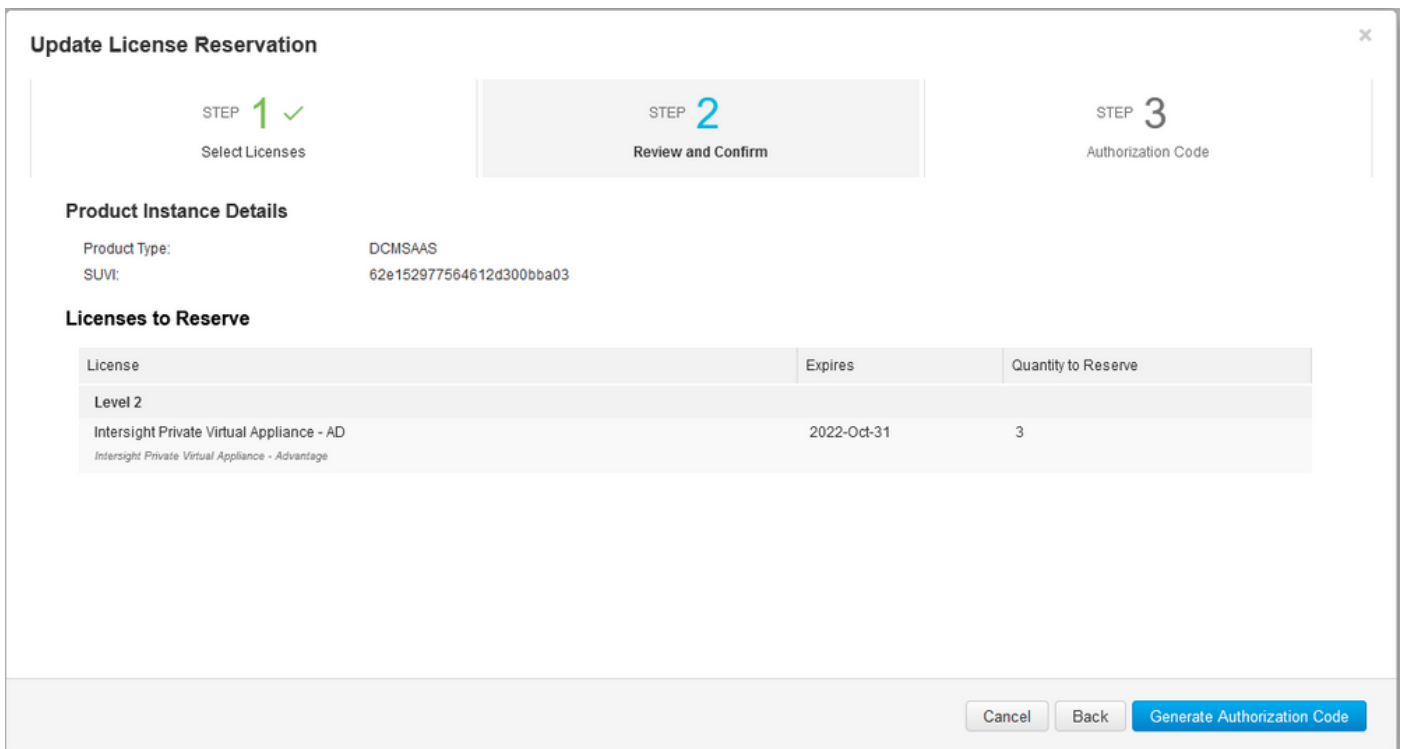
显示过去所做的保留。在此页面上, 您可以更新预留数量。在本例中, 我们将许可证数量更新为3。

注意: 更新许可证保留计数后, Next按钮将灰显, 直到您单击屏幕上的任意位置。



步骤2.检查并确认

验证许可证层和数量是否正确，然后选择**Generate Authorization Code**。



步骤3.授权码

在此页面上，您必须复制授权码，以便生成确认码以完成更新。生成确认代码可能需要几分钟时间。因此，一旦您拥有了授权码，您就可以关闭向导了，如下图所示。

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><piid></piid><timestamp>1659479688844</timestamp><entitlements><entitlement><tag>regid.2020-02.com.cisco.DC_MGT_PVAPP_AD,1.0_d7:</tag><count>3</count><startDate>2022-Aug-02 UTC</startDate><endDate>2022-Oct-31 UTC</endDate><licenseType>TERM</licenseType><displayName>Intersight Private Virtual Appliance - AD</displayName><tagDescription>Intersight Private Virtual Appliance - Advantage</tagDescription><subscriptionID></subscriptionID></entitlement></entitlements></authorizationCode></signature></specificPLR></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

登录您的Intersight PVA并导航到**设置>许可**。从**Actions**下拉菜单中，选择**Update License**。

Licensing

Subscription: Last Updated Aug 2, 2022 12:46 PM

Products: Intersight

- Essentials** (DEFAULT)
Adds more detailed visibility, configuration, and compliance for your UCS and HyperFlex systems.
[View All Features](#)
- Advantage**
Adds more advanced analytics and automation for Cisco infrastructure.
[View All Features](#)
- Premier**
Adds rich infrastructure automation capabilities for Cisco and non-Cisco infrastructure.
[View All Features](#)

Actions

- Set Products
- Update License
- Return License

粘贴从智能许可门户获取的保留代码，然后选择**生成保留确认代码**。Intersight提供代码后，将其复制到剪贴板。



Step 1

Update License

Update the license information for your appliance.

- 1 Obtain Reservation Authorization Code from [Cisco Smart Software Manager](#) to generate Reservation Confirmation Code.

Reservation Authorization Code *


```
<specificPLR><authorizationCode><flag>A</flag>  
<version>C</version><piid>  
    </piid>
```


Generate Reservation Confirmation Code

Reservation Confirmation Code

- 1 Use Reservation Confirmation Code in [Cisco Smart Software Manager](#) to complete the license update.

43225605

 Download

 Copy To Clipboard

返回**产品实例**选项卡上的智能许可门户，再次确定您的帐户ID，然后从**操作**下拉菜单中选择**输入确认代码**，如下图所示。

Smart Software Licensing

[Support](#) [Help](#)[Alerts](#) | [Inventory](#) | [Convert to Smart Licensing](#) | [Reports](#) | [Preferences](#) | [On-Prem Accounts](#) | [Activity](#)

Virtual Account: CCS ▾

2 Major | 9 Minor | [Hide Alerts](#)

The screenshot shows the 'Product Instances' tab in the Cisco Software Central interface. A table lists product instances with columns for Name, Product Type, Last Contact, Alerts, and Actions. The 'Actions' column for the selected instance contains a dropdown menu with the following options: Transfer..., Update Reserved Licenses..., Enter Confirmation Code..., Remove..., and Rehost Licenses from a Failed Product... The 'Enter Confirmation Code...' option is highlighted with a red box.

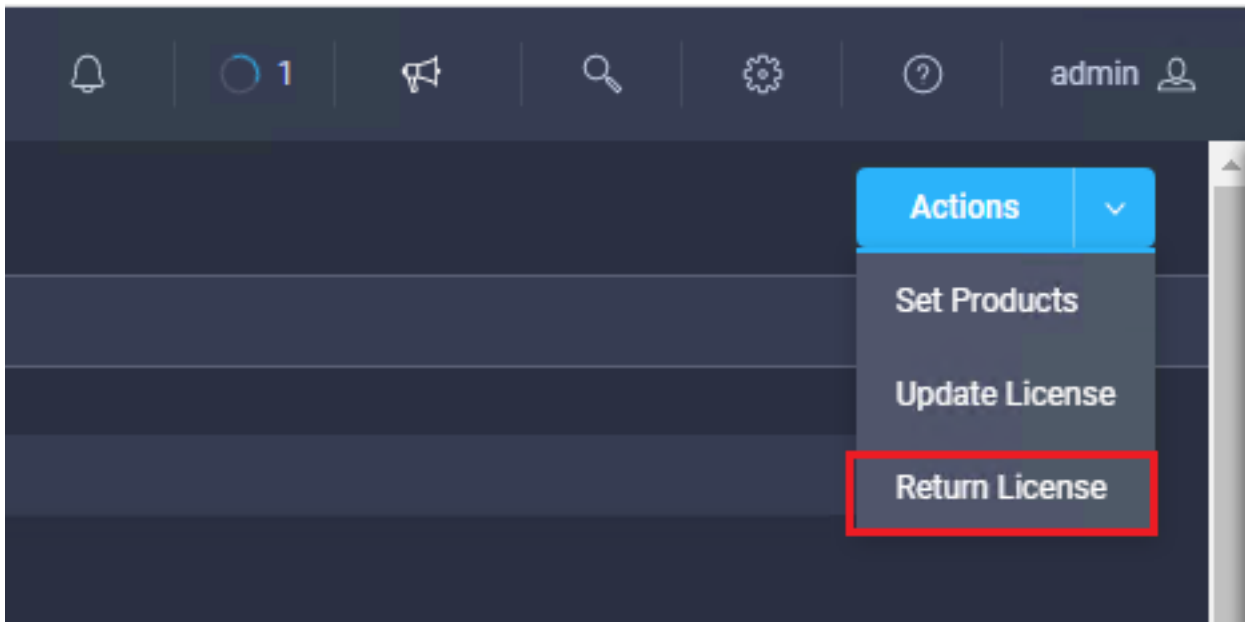
Name	Product Type	Last Contact	Alerts	Actions
	DCMSAAS	2022-Aug-01 18:33:41 (Reserved Licenses)		Actions ▾
62e152977564612d300bba03	DCMSAAS	2022-Aug-08 05:09:58 (Reserved Licenses)		Actions ▾

复制或上载代码以使更新生效，然后选择OK按钮以完成更新过程，如此图所示。

The screenshot shows a dialog box titled 'Enter Confirmation Code'. The text inside reads: 'To complete the pending License Reservation, enter the Reservation Confirmation Code that was generated by the Product Instance after the Reservation Authorization Code was installed.' Below this, there is a section labeled 'Reservation Confirmation Code:' followed by a text input field containing a masked code '40000000'. At the bottom of the dialog, there are 'Browse' and 'Upload' buttons, and at the very bottom, 'Cancel' and 'OK' buttons. The 'OK' button is highlighted with a red box.

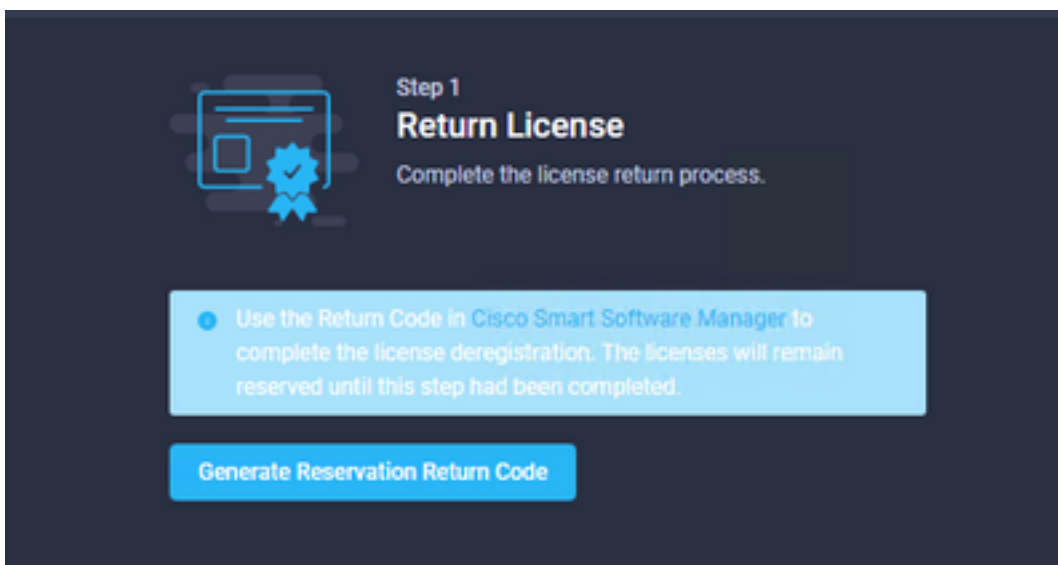
退货许可证预留

在Intersight上，导航到设置>许可。从操作下拉列表中选择返回许可证，如下图所示。



从显示的新窗口中，选择生成返回代码。

警告：返回代码的生成立即从Intersight PVA注销许可证。



选择Generate以确认弹出窗口中的警报。



WARNING! Your appliance license will be deregistered

If you generate Reservation Return Code, your appliance will be deregistered immediately. The Reservation Return Code must be entered into Cisco Smart Software Manager in order to release the licenses to be used by other products.

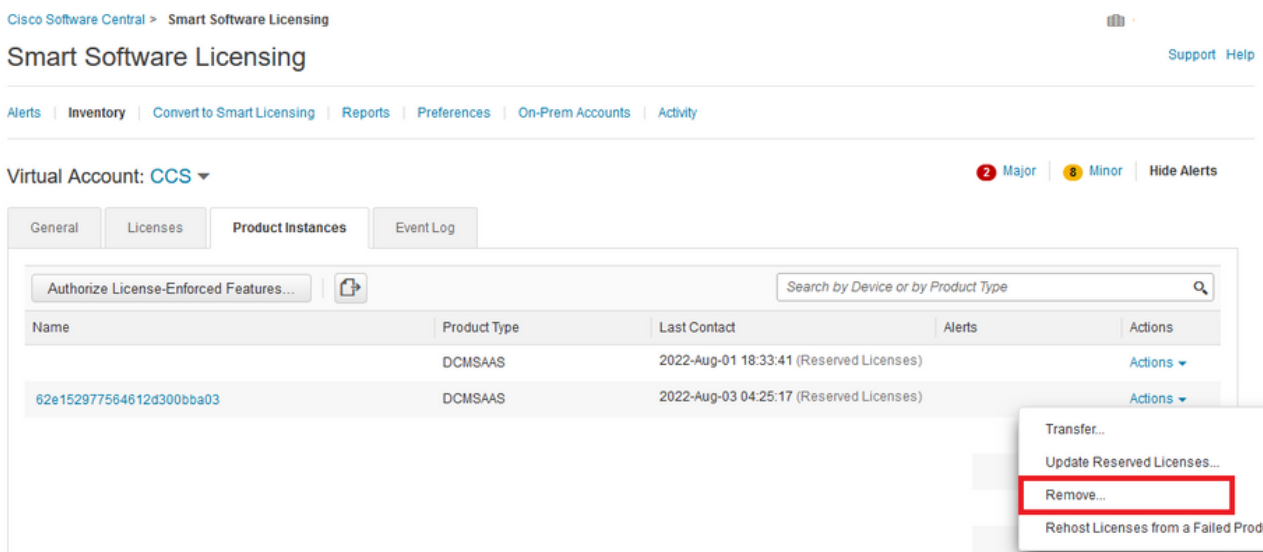
Cancel

Generate

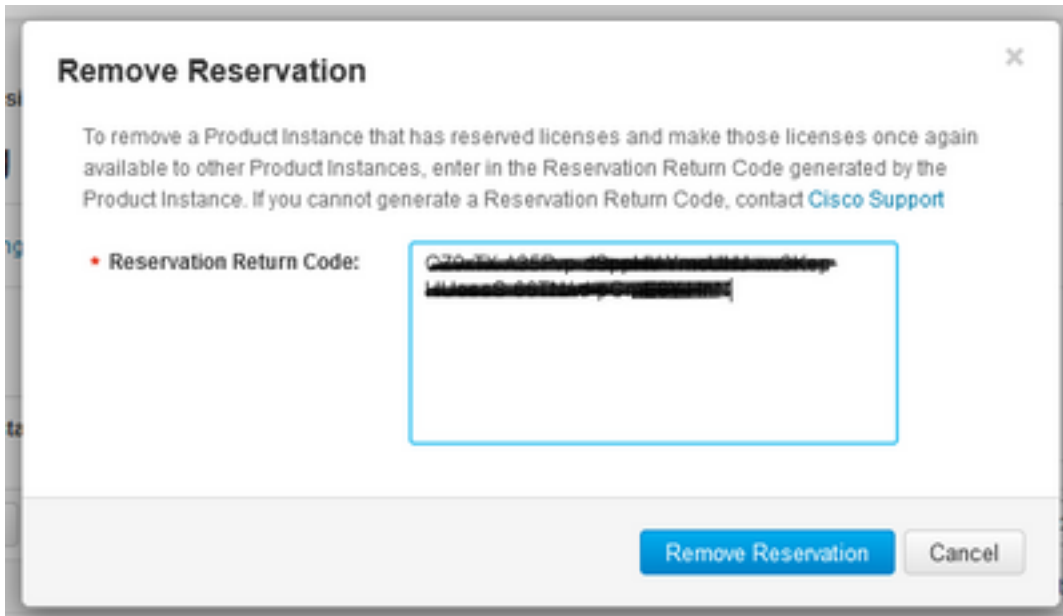
生成返回代码可能需要几分钟时间。显示后，复制或下载。



登录您的思科智能软件管理器，导航到正确的虚拟帐户，然后选择产品实例选项卡，识别您的帐户ID。从操作下拉列表中，选择删除.....



输入Reservation Return Code并选择Remove Reservation，如下图所示。



此步骤从您的产品实例中删除Intersight帐户ID，并使许可证再次可用于其他实例。

故障排除

本部分提供了可用于对配置进行故障排除的信息。

Intersight无法生成预留确认代码

当Intersight无法生成保留代码时，请验证所有服务是否正在运行。

通过SSH连接到Intersight PVA，并使用您的管理员帐户登录。从默认菜单中选择选项4。

```
inter.mxsvlab.com - PuTTY
Intersight Appliance Maintenance Shell [Tue Aug 9 12:48:42 2022]
No change in deployment size during install. Current running deployment size is
Medium.

Installation complete
~~~~~
Diagnostics                                Configuration
[1] Ping a host                             [a] Show current network configuration
[2] Traceroute a host                       [b] Configure network settings
[3] Run connectivity test ←                 [c] Restart services installation
                                           [d] Run Debug shell (Cisco TAC only)
                                           [e] Configure Logon Banner
                                           [f] Generate and Upload Tech Support

Maintenance
[4] Show system services status
[5] Restart system services
[6] Reboot virtual appliance node

[.] Exit
~~~~~
Choice #1->4
System Services:
Running 101 Pending 0 Error 0 Total 101

Intersight Appliance Maintenance Shell [Tue Aug 9 12:49:04 2022]
No change in deployment size during install. Current running deployment size is
Medium.
```

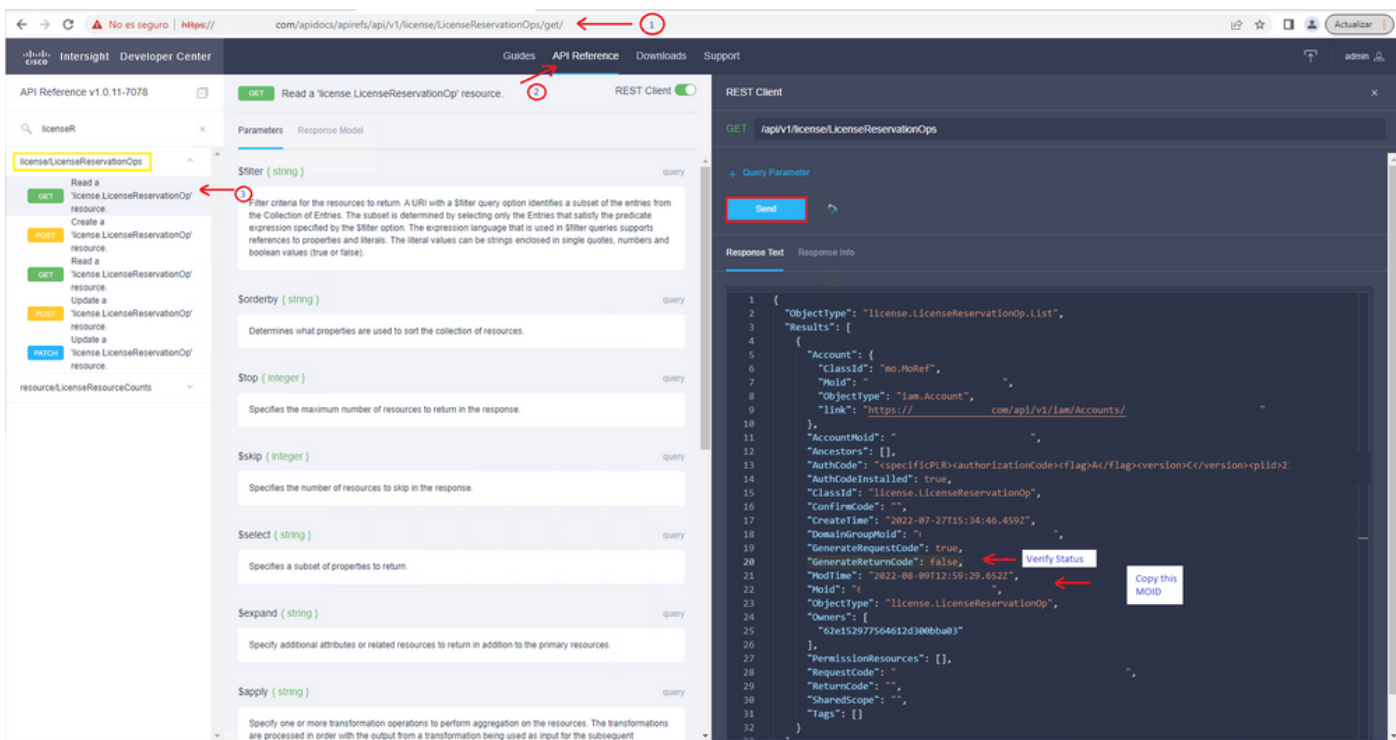
如果第一次尝试失败后，下一次尝试自动失败，请使用**重新启动系统服务**（选项5）。此过程可能需要几分钟时间，您必须使用选项4进行监控，直到所有服务都启动。

Intersight无法生成返回代码

当Intersight无法生成返回代码时，导航至[https://\[FQDN\]/apidocs/introduction/overview/](https://[FQDN]/apidocs/introduction/overview/) and select **API Reference** tab.

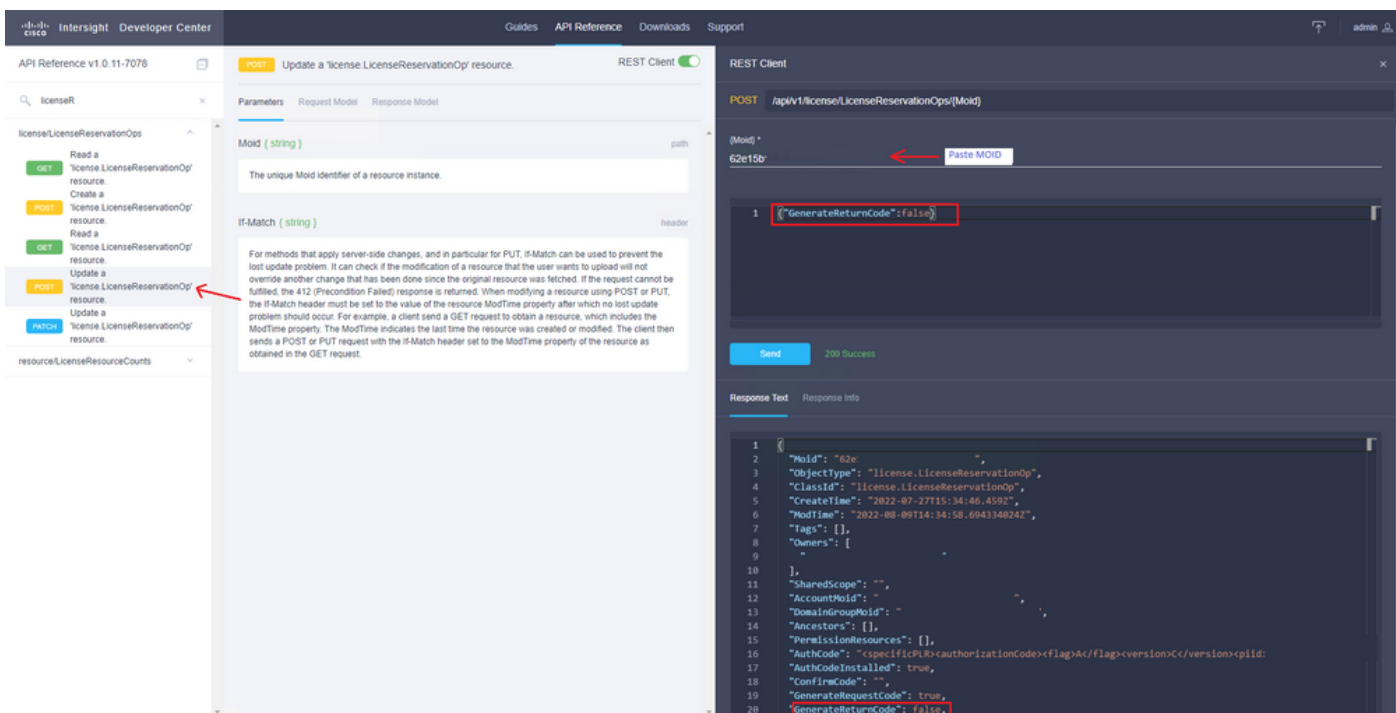
搜索license/LicenseReservationOps资源并使用API调用GET /api/v1/license/LicenseReservationOps。

从输出中验证{"GenerateReturnCode":status}，如果为false，请重试生成返回代码。



如果GenerateReturnCode设置为True，而Intersight无法生成它，请复制MOID并使用API Call POST /api/v1/license/LicenseReservationOps/{MOID}。

将MOID粘贴到所需字段并设置{"GenerateReturnCode":false}。等到完成200 Success。

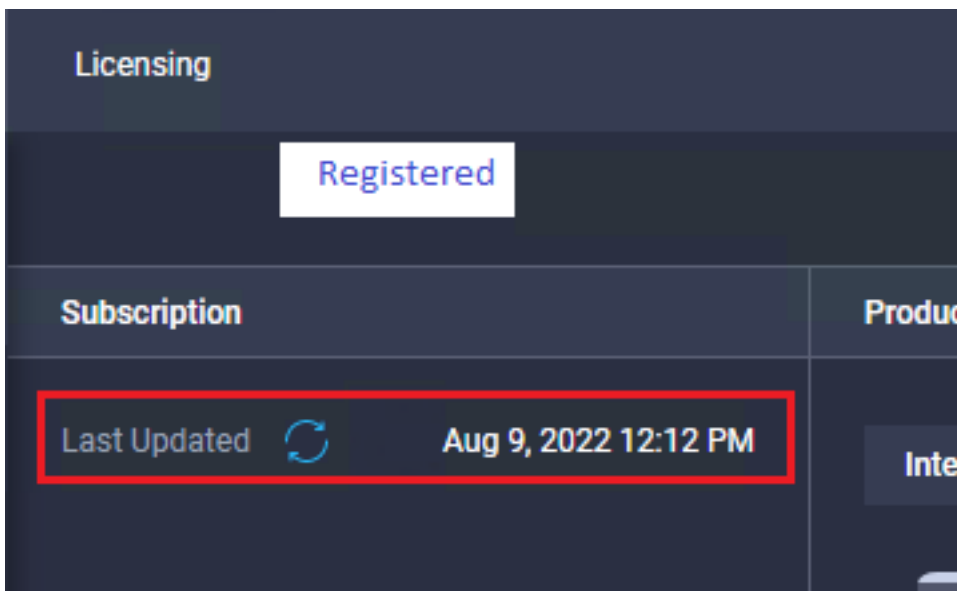


请刷新Intersight PVA，并重试生成返回代码。

验证

使用本部分可确认配置能否正常运行。

为了验证您的Intersight是否分配了预留，您的Intersight上的许可选项卡必须显示Last Updated date。



要验证您的预留的更多详细信息（例如层数或数量），您可以直接在智能门户上或通过API调用进行检查：

GET /api/v1/license/LicenseInfos.

在此场景中，我们预订的只有一个Advantage许可证。

```
53   "ClassId": "mo.MoRef",
54   "Moid": "",
55   "ObjectType": "license.AccountLicenseData",
56   "link": "https://.../api/v1/license/AccountLicenseData/..."},
57 },
58 ],
59 "ClassId": "license.LicenseInfo",
60 "CreateTime": "2022-07-27T15:34:30.854Z",
61 "DaysLeft": 0,
62 "DomainGroupMoid": "",
63 "EndTime": "0001-01-01T00:00:00Z",
64 "EnforceMode": "Authorized",
65 "ErrorDesc": "",
66 "EvaluationPeriod": 0,
67 "ExpireTime": "0001-01-01T00:00:00Z",
68 "ExtraEvaluation": 0,
69 "LicenseCount": 0,
70 "LicenseCountPurchased": 1,
71 "LicenseState": "Compliance",
72 "LicenseType": "Advantage",
73 "ModTime": "2022-08-09T17:12:46.22Z",
74 "Moid": "",
75 "ObjectType": "license.LicenseInfo",
76 "Owners": [
77   {
78     "ClassId": "mo.MoRef",
79     "Moid": "",
80     "ObjectType": "license.AccountLicenseData",
81     "link": "https://.../api/v1/license/AccountLicenseData/..."}
82 ],
83 "Parent": {
84   "ClassId": "mo.MoRef",
85   "Moid": "",
86   "ObjectType": "license.AccountLicenseData",
87   "link": "https://.../api/v1/license/AccountLicenseData/..."}
88 },
89 "PermissionResources": [],
90 "SharedScope": "",
91 "StartTime": "0001-01-01T00:00:00Z",
92 "Tags": [],
93 "TrialAdmin": true
94 },
95 ],
96 }
```

相关信息

- [Intersight虚拟设备的许可要求](#)
- [技术支持和文档 - Cisco Systems](#)