在uBR10012路由器的MC3GX60V线卡之间重新托管许可证

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简介

本文档介绍重新托管的过程，或者换句话说，在uBR1002的两个线卡(LC)之间转移许可证的过程。在本示例中，从线卡插槽8/1（原来有72x60）转移的2个DS x 2个US许可证将转移到Cisco uBR-MC3GX60V线卡上的线卡插槽8/0（原来有60x16）。

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使用的组件

Cisco ucBr10012 通用宽带路由器

MC3GC60V线卡

要求

使用Cisco.com登录帐户

访问思科许可证门户https://slexui.cloudapps.cisco.com/SWIFT/LicensingUI/Quickstart#

步骤

以下是将许可证从插槽8/1中的源卡重新托管到插槽8/0中的目标卡所涉及的步骤：

步骤 1：获取源LC的许可证凭证。

步骤 2：在许可证门户上请求许可证传输。

步骤 3：撤销源LC上的许可证。

步骤 4：在许可证门户上获取目标LC的新许可证。

步骤 5：在目标LC上安装新许可证。

步骤 1： 获取设备凭证

使用如下所示的命令，将LC 8/1到disk0的设备凭证保存为“81_cred.txt”。 可以使用**more**命令后跟文件名，显示文件的内容：

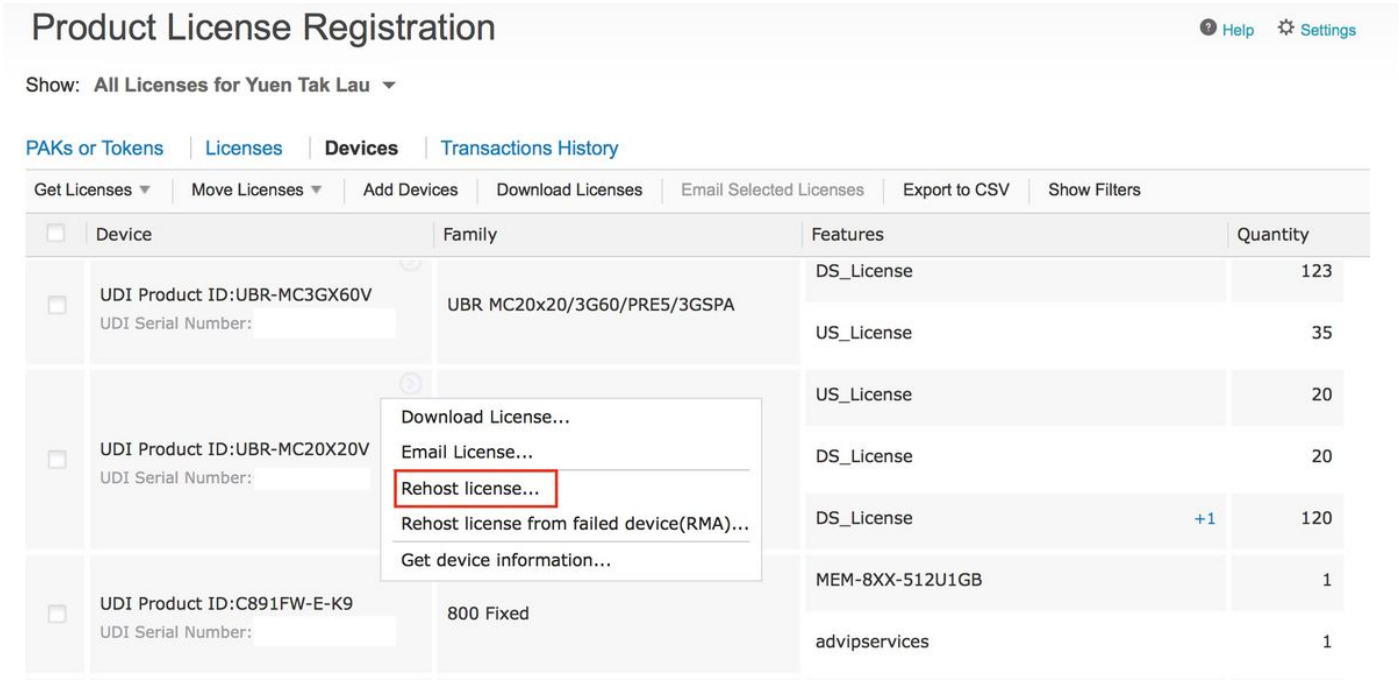
```
ubr10012-1#show license udi
SlotID   PID            SN               UDI
-------------------------------------------------------------------------------
 7/0  UBR-MC20X20V          CAT1441E0L2     UBR-MC20X20V:CAT1441E0L2
 7/1  UBR-MC20X20V          CAT1441E0KH     UBR-MC20X20V:CAT1441E0KH
 8/0  UBR-MC3GX60V          CAT1616E015     UBR-MC3GX60V:CAT1616E015
 8/1  UBR-MC3GX60V          CAT1435E0TZ     UBR-MC3GX60V:CAT1435E0TZ

ubr10012-1#license save credential disk0:81_cred.txt subslot 8/1
Device credential saved ..... to disk0:81_cred.txt
ubr10012-1#more disk0:81_cred.txt
<?xml version="1.0" encoding="UTF-8"?><CISCO_WT_ARTIFACTS version="1.0"><CISCO_WT_REHOST_ARTIFACT versi
ubr10012-1#
```

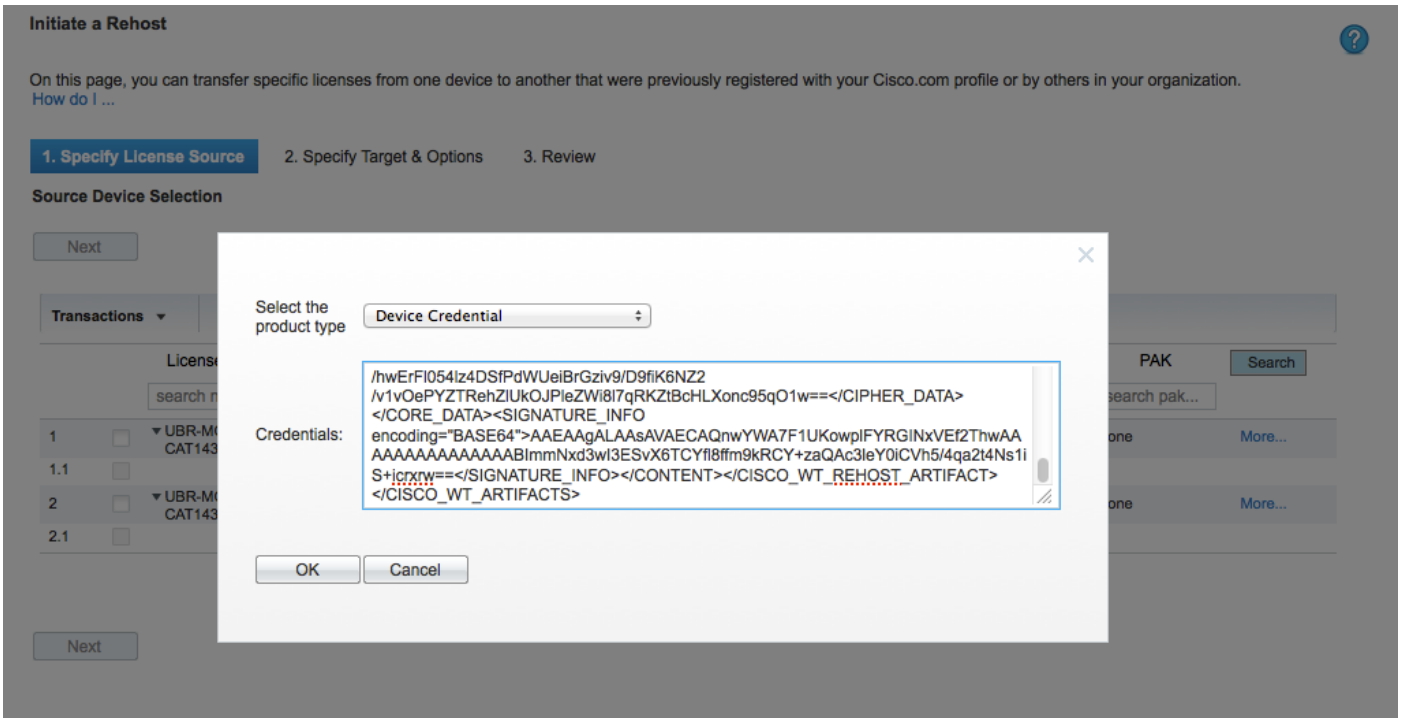
步骤 2：在许可证门户上请求许可证传输

转到https://slexui.cloudapps.cisco.com/SWIFT/LicensingUI/Quickstart#网站，从“Devices”中选择设备，单击蓝色的“>”选择“Rehost

license...” 并粘贴设备凭证（从步骤1中的**more**命令输出中），以注册和请求许可证传输：



如果您在CCO配置文件中未看到该设备，请点击“添加设备”(Add Devices)，并将该设备添加到CCO配置文件中。

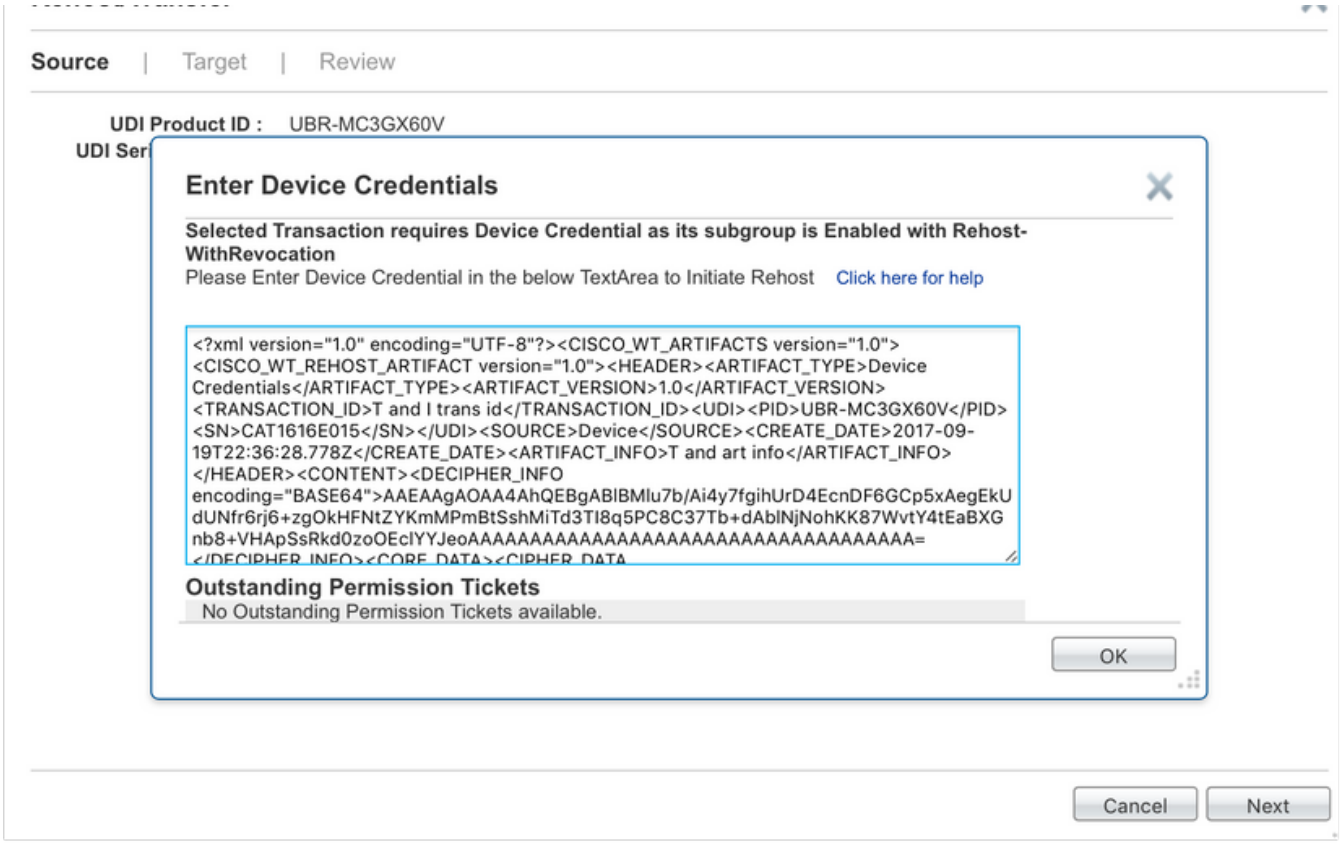


添加设备后，您将在网页中看到关联的许可证。

第2.1步指定许可证转移的来源

选择要传输的许可证：

使用步骤2中获得的设备凭证填充文本框。

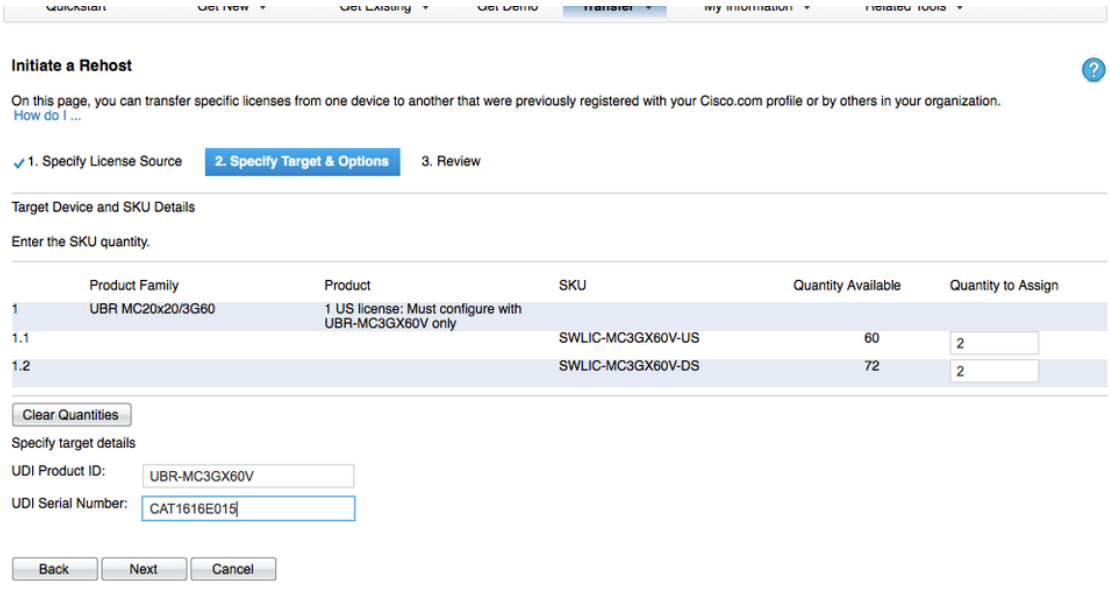


点击“下一步”

第2.2步指定许可证传输的目标

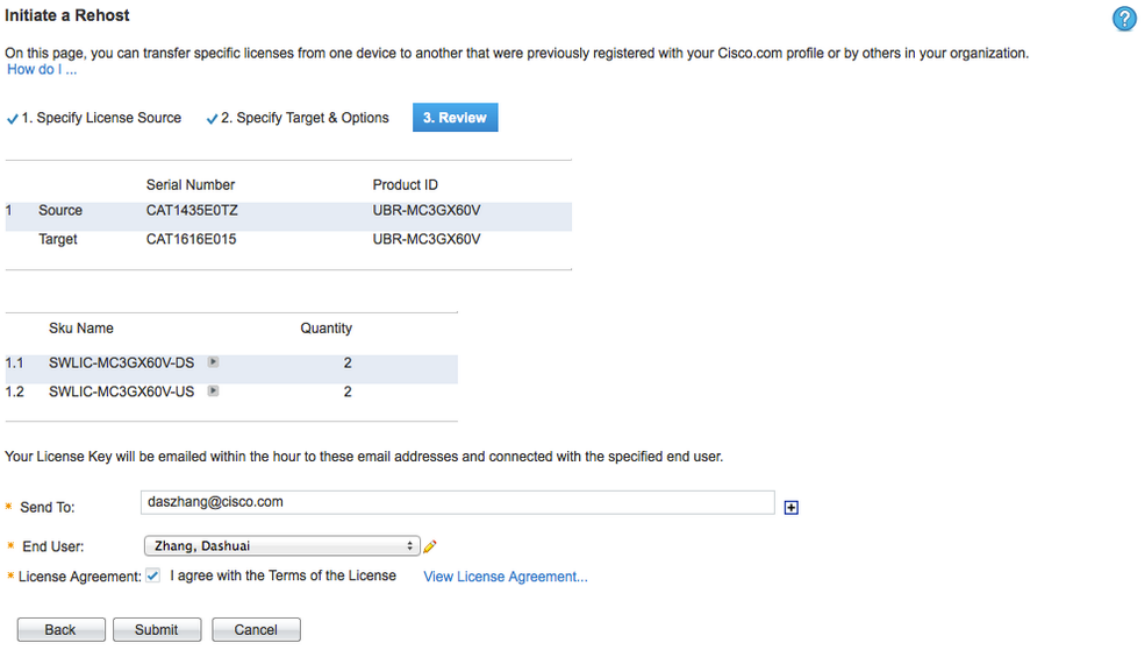
在“Quantity to Assign”（分配数量）中，填写您要从源线路卡转移的许可证数量。

在本示例中，子插槽8/1有72个DSX60US许可证。我们将2个DSx2US许可证转移到子插槽8/0。传输后，子插槽8/1上将保留70个DSx58US许可证。



点击“下一步”

第2.3步生成许可证传输的权限票证



单击“提交”按钮后，系统将发出勾选的权限。它会通过电子邮件发送到您的电子邮件地址。

使用TFTP或其他任何可用的方式，将权限票证许可证文件从您的电子邮件复制到CMTS:

```
ubr10012-1#copy tftp://10.66.94.155/CAT1435E0TZ_20130704171351238.lic disk0:
Destination filename [CAT1435E0TZ_20130704171351238.lic]?
Accessing tftp://10.66.94.155/CAT1435E0TZ_20130704171351238.lic...
Loading CAT1435E0TZ_20130704171351238.lic from 10.66.94.155 (via GigabitEthernet1/1/0): !
[OK - 8872 bytes]
```

步骤 3：撤销源LC上的许可证

使用此权限票证通过Cisco IOS命令启动主机重建过程。

使用license revoke命令将权限票证应用到源设备。

然后，源设备提供指示撤销证明的重定向票证。设备上还安装了60天的宽限期许可证，以便有足够的时间将许可证传输到目的设备。

主机票证将用于生成目标的新许可证文件。

如果丢失了主机转换票证（本例中为“disk0:rt”），您可以重复上述“license revoke”过程以获取主机转换票证。

```
ubr10012-1#license revoke disk0:CAT1435E0TZ_20130704171351238.lic disk0:rt
Following Permanent license(s) will be revoked from this device
      Feature Name: DS_License : Count = 72
      Feature Name: US_License : Count = 60

Following Permanent license(s) will be installed on this device
      Feature Name: US_License : Count = 58
      Feature Name: DS_License : Count = 70

Following Extension license(s) will be installed on this device
      Feature Name: US_License : Count = 60
      Feature Name: DS_License : Count = 72

PLEASE  READ THE  FOLLOWING TERMS  CAREFULLY. INSTALLING THE LICENSE OR
LICENSE  KEY  PROVIDED FOR  ANY CISCO  PRODUCT  FEATURE  OR  USING SUCH
PRODUCT  FEATURE  CONSTITUTES  YOUR  FULL ACCEPTANCE  OF  THE FOLLOWING
TERMS. YOU MUST NOT PROCEED FURTHER IF YOU ARE NOT WILLING TO  BE BOUND
BY ALL THE TERMS SET FORTH HEREIN.

You hereby  acknowledge  and  agree that  the  product feature  license
is terminable and that the product  feature  enabled  by  such  license
may  be  shut  down or  terminated by  Cisco  after  expiration of  the
applicable  term  of  the license  (e.g., 30-day  trial  period). Cisco
reserves the  right to terminate or shut down  any such product feature
electronically  or by  any other  means available. While alerts or such
messages  may  be provided, it is  your sole  responsibility to monitor
your terminable  usage of any  product  feature enabled by  the license
and to ensure that your systems and  networks are prepared for the shut
down of the product feature. You acknowledge  and agree that Cisco will
```

not have any liability whatsoever for any damages, including, but not limited to, direct, indirect, special, or consequential damages related to any product feature being shutdown or terminated. By clicking the "accept" button or typing "yes" you are indicating you have read and agree to be bound by all the terms provided herein.

ACCEPT? (yes/[no]): yes
Rehost ticket saved ..... to disk0:rt

ubr10012-1#show license detail subslot 8/1
Index: 1 Feature: DS_License Version: 1.0
License Type: Evaluation
License State: Active, In Use
Evaluation total period: 8 weeks 4 days
Evaluation period left: 8 weeks 3 days
Expiry date: Sep 02 2013 06:41:34
License Count: 72/72/0 (Active/In-use/Violation)
License Priority: High
Store Index: 3
Store Name: Primary License Storage
Index: 2 Feature: DS_License Version: 1.0
License Type: Permanent
License State: Inactive
License Count: 70/0/0 (Active/In-use/Violation)
License Priority: Medium
Store Index: 1
Store Name: Primary License Storage
Index: 3 Feature: DS_License Version: 1.0
License Type: Evaluation
License State: Inactive

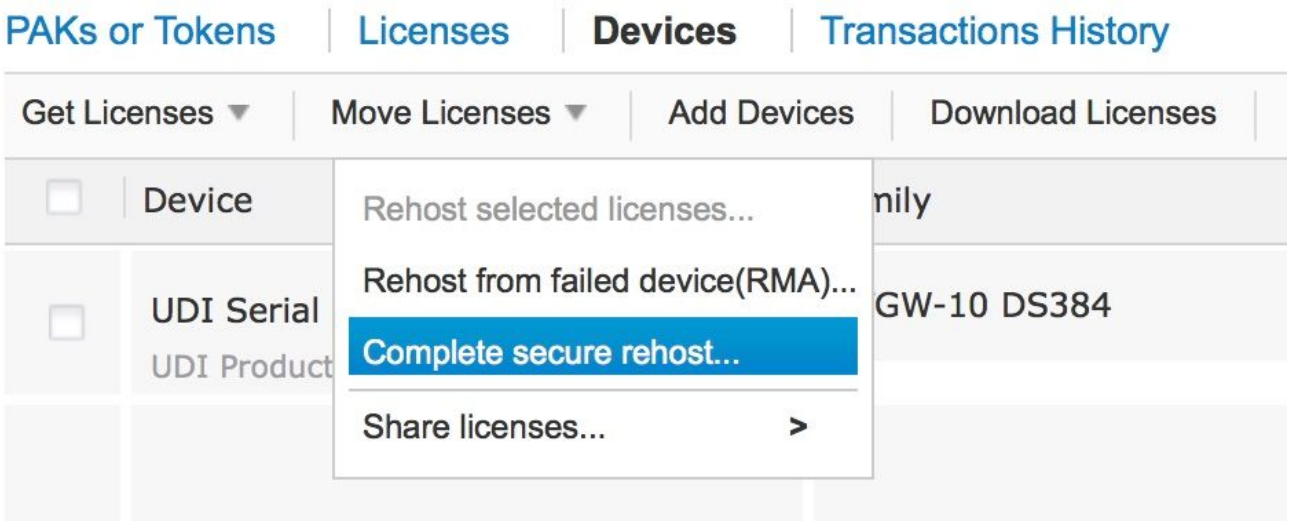
```
          Evaluation total period: 8  weeks 4  days
          Evaluation period left: 1  week  2  days
      License Count: 72/0/0  (Active/In-use/Violation)
      License Priority: Low
      Store Index: 1
      Store Name: Evaluation License Storage
Index: 4    Feature: US_License                         Version: 1.0
      License Type: Evaluation
      License State: Active, In Use
 --More-- % RPC failed to slot 17            Evaluation total period: 8  weeks 4  days
          Evaluation period left: 8  weeks 3  days
          Expiry date: Sep 02 2013 06:46:34
      License Count: 60/60/0  (Active/In-use/Violation)
      License Priority: High
      Store Index: 2
      Store Name: Primary License Storage
Index: 5    Feature: US_License                         Version: 1.0
      License Type: Permanent
      License State: Inactive
      License Count: 58/0/0  (Active/In-use/Violation)
      License Priority: Medium
      Store Index: 0
      Store Name: Primary License Storage
Index: 6    Feature: US_License                         Version: 1.0
      License Type: Evaluation
      License State: Inactive
          Evaluation total period: 8  weeks 4  days
          Evaluation period left: 8  weeks 4  days
      License Count: 60/0/0  (Active/In-use/Violation)
      License Priority: Low
      Store Index: 0
```

```
      Store Name: Evaluation License Storage

ubr10012-1#
```

步骤 4：在许可证门户上获取目标LC的新许可证

通过选择“Devices > Move licenses > Complete secure rehost..”，将主机票证输入许可证传输门户工具 以及目的设备UDI。请参阅下图：



从主机票证中提取文本：

```
ubr10012-1#more disk0:rt

<?xml version="1.0" encoding="UTF-8"?><CISCO_WT_ARTIFACTS version="1.0"><CISCO_WT_REHOST_ARTIFACT versi

ubr10012-1#
```

第 4.1 步：输入主机信息

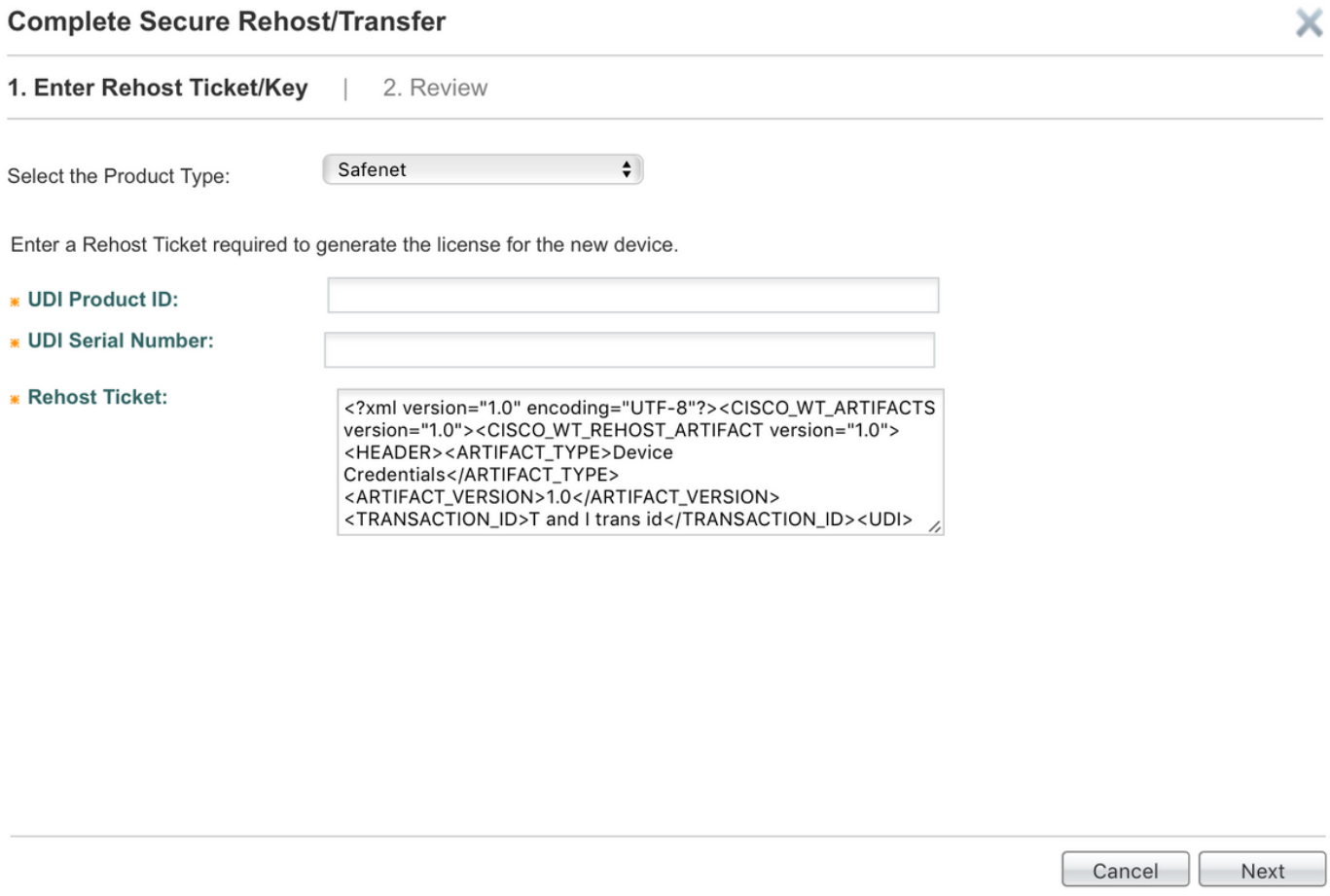
产品类型:"安全网"

UDI产品ID: <目标PID>

UDI序列号： <目标SN>

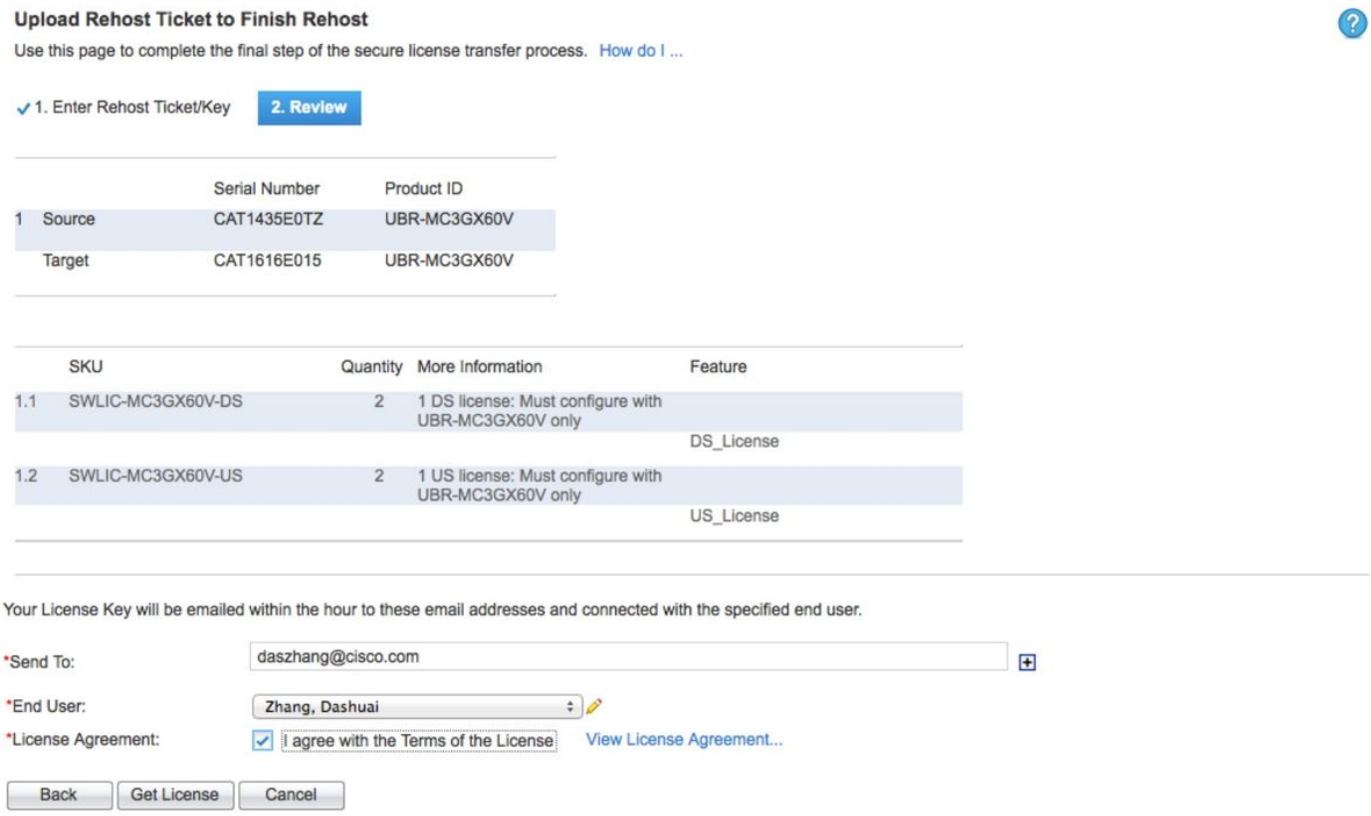
在“Rehost Ticket”字段中，输入从主机票证中提取的文本，如上所示。

然后单击“下一步”



第 4.2 步：生成目标LC的许可证文件

点击“获取许可证”。您将通过邮件收到许可证文件。



步骤 5：在目标LC上安装新许可证。

第 5.1 步：将许可证文件复制到CMTS

将您的电子邮件中的许可证文件复制到可从uBR10K访问的TFTP服务器。

将许可证文件从TFTP服务器复制到uBR10K。

```
ubr10012-1#copy tftp://10.66.94.155/CAT1616E015_20130704172627009.lic disk0:

Destination filename [CAT1616E015_20130704172627009.lic]?

Accessing tftp://10.66.94.155/CAT1616E015_20130704172627009.lic...

Loading CAT1616E015_20130704172627009.lic from 10.66.94.155 (via GigabitEthernet1/1/0): !

[OK - 2237 bytes]
```

```
2237 bytes copied in 0.556 secs (4023 bytes/sec)

ubr10012-1#
```

第 5.2 步：在目标LC上安装新许可证之前，请检查当前许可证状态

在应用新的许可证文件之前，检查子插槽8/0上的当前许可证状态：

```
ubr10012-1#show license detail subslot 8/0

Index: 1    Feature: DS_License                          Version: 1.0

      License Type: Permanent

      License State: Active, In Use

      License Count: 60/60/0  (Active/In-use/Violation)

      License Priority: Medium

      Store Index: 0

      Store Name: Primary License Storage

Index: 2    Feature: DS_License                          Version: 1.0

      License Type: Evaluation

      License State: Inactive
```

```
        Evaluation total period: 8  weeks 4  days

        Evaluation period left: 8  weeks 4  days

    License Count: 72/0/0  (Active/In-use/Violation)

    License Priority: None

    Store Index: 1

    Store Name: Evaluation License Storage

Index: 3    Feature: US_License                         Version: 1.0

    License Type: Permanent

    License State: Active, In Use

    License Count: 16/16/0  (Active/In-use/Violation)

    License Priority: Medium

    Store Index: 1

    Store Name: Primary License Storage

Index: 4    Feature: US_License                         Version: 1.0

    License Type: Evaluation
```

```
      License State: Inactive

          Evaluation total period: 8  weeks 4  days

          Evaluation period left: 8  weeks 4  days

      License Count: 60/0/0  (Active/In-use/Violation)

            License Priority: None

      Store Index: 0

      Store Name: Evaluation License Storage

ubr10012-1#
```

第 5.3 步：在目标许可证上安装新许可证

安装新许可证：

```
ubr10012-1#license install disk0:CAT1616E015_20130704172627009.lic
Installing licenses from "disk0:CAT1616E015_20130704172627009.lic"
Installing...Feature:US_License...Successful:Supported
Installing...Feature:DS_License...Successful:Supported
2/2 licenses were successfully installed
0/2 licenses were existing licenses
0/2 licenses were failed to install
```

第 5.4 步：安装后检查许可证状态

安装重新托管的2x2许可证后，为8/0运行**show license detail**命令。计数更改为62/18:

```
ubr10012-1#show license detail subslot 8/0

Index: 1    Feature: DS_License                          Version: 1.0

      License Type: Permanent

      License State: Active, In Use

      License Count: 62/62/0  (Active/In-use/Violation)

      License Priority: Medium

      Store Index: 3

      Store Name: Primary License Storage

Index: 2    Feature: DS_License                          Version: 1.0

      License Type: Permanent

      License State: Inactive

      License Count: 60/0/0  (Active/In-use/Violation)

      License Priority: Medium

      Store Index: 0

      Store Name: Primary License Storage

Index: 3    Feature: DS_License                          Version: 1.0
```

License Type: Evaluation

License State: Inactive

Evaluation total period: 8 weeks 4 days

Evaluation period left: 8 weeks 4 days

License Count: 72/0/0 (Active/In-use/Violation)

License Priority: None

Store Index: 1

Store Name: Evaluation License Storage

Index: 4 Feature: US_License Version: 1.0

License Type: Permanent

License State: Active, In Use

License Count: 18/18/0 (Active/In-use/Violation)

License Priority: Medium

Store Index: 2

Store Name: Primary License Storage

```
Index: 5    Feature: US_License                          Version: 1.0

      License Type: Permanent

      License State: Inactive

      License Count: 16/0/0  (Active/In-use/Violation)

      License Priority: Medium

      Store Index: 1

      Store Name: Primary License Storage

Index: 6    Feature: US_License                          Version: 1.0

      License Type: Evaluation

      License State: Inactive

          Evaluation total period: 8  weeks 4  days

          Evaluation period left: 8  weeks 4  days

      License Count: 60/0/0  (Active/In-use/Violation)

      License Priority: None

      Store Index: 0

      Store Name: Evaluation License Storage
```

```
ubr10012-1#
```

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