

Rehost licencía entre placas de linha MC3GX60V em um roteador do uBR10012

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Introdução

Este documento descreve o procedimento para rehosting, ou seja o processo de transferir as licenças entre 2 placas de linha (LC) de um uBR1002. Neste exemplo, 2 que o DS x 2 licenças E.U. da placa de linha entalha 8/1 (que tem originalmente 72x60) é transferido ao entalhe 8/0 da placa de linha (de que tem originalmente 60x16) na placa de linha de Cisco uBR-MC3GX60V.

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Componentes Utilizados

Cisco uBR10012 Universal Broadband Router

Placas de linha MC3GC60V

Requisitos

Uma conta do início de uma sessão com cisco.com

Alcance a Cisco a licença <https://slexui.cloudapps.cisco.com/SWIFT/LicensingUI/Quickstart> portal #

Procedimento

Estão seguindo o as etapas envolvidas em rehosting as licenças da placa de origem, no entalhe 8/1 visar o cartão, no entalhe 8/0:

Passo 1: Obtenha as credenciais da licença da fonte LC.

Passo 2: Transferência de licença do pedido no portal da licença.

Passo 3: Revogue a licença na fonte LC.

Passo 4: Obtenha a licença nova para o alvo LC no portal da licença.

Passo 5: Instale a licença nova no alvo LC.

Passo 1: Obtenha as credenciais do dispositivo

Usando os comandos mostrados abaixo, salvar as credenciais do dispositivo de LC 8/1 ao disco 0 como "81_cred.txt". Você pode indicar os índices do arquivo usando o **comando more** seguido pelo nome de arquivo:

```
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 version="1.0"><HEADER><ARTIFACT_TYPE>Device
Credentials</ARTIFACT_TYPE><ARTIFACT_VERSION>1.0</ARTIFACT_VERSION><TRANSACTION_ID>T and I trans
id</TRANSACTION_ID><UDI><PID>UBR-
MC3GX60V</PID><SN>CAT1435E0TZ</SN></UDI><SOURCE>Device</SOURCE><CREATE_DATE>2013-07-
04T13:25:25.307Z</CREATE_DATE><ARTIFACT_INFO>T and art
info</ARTIFACT_INFO></HEADER><CONTENT><DECIPHER_INFO
encoding="BASE64">AAEAAGAOAA4AhQEBgABlBM8UMnw+NZxYfVWqIFuiUq7aqRoKmf06/hOkQuoe706yxkteiCMZrEE592
0+SxD6TTEHBqlf9YHxgv6yguQ9hM+JXLaSZRPh5ijSyTfHc0eATvmwltlxEv17kMmIjpxMlZ7/tKd4AAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA=</DECIPHER_INFO><CORE_DATA><CIPHER_DATA
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cevT2mUfC2aZY21Lbga9mv8dhNlSUTKN0uDGpChaHNw+VKXfLh0Y/rGurwVb63UsRkoIglef5Iw5bDhMZ6y2RiJy+VR7LvBZ
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JIz8cQrXopc1P+McA/TdNv9K0usJOnUJZVCC2ZvS2B6XaLdAGssGbl0W3dlqyKpcushbLZ6s1F7h0vuQ4N56pScxO+PiE4VF
rz4G1U9JfWgt/G1hF359yNtaBBikxml137A5uwoDT5cmfLpjLJ48kWSi/9qunQ2mvmxxgRI+tmY3SxQtcx2GgmiPGNVTX8W1
hheo1DMRiLNYxmfrMP9vK27rcpsS4fEN2bk0hkaPDMQDzx+/MsNS/38vSrHWkWRoe9xM0cAybyYJgX7j4hYed0F0g6QD+9U
vm8Ski0UMBmCaAZJHZJcgaC8BGvhZvbnDVPBoHq1+8P1t129YSFCg8GfJ1XHamTqRB+kxZihVcRmD5eG6o70s2h/kt9oZteq
jMVraDEURxFY4SSr7Wym1Oa0e7WAP0rrCBUnMV18bkNW22Ju5OeytNGHvKz9mjDFeFqMzegHrQJSQeMQD0h+UrRlS9qzpls8
5FL1sb6J7S1HvGMFdkTq3ITuqcmxMdgukZLP3prfWYc5ZaMtZ256B/ZdGiNowePzbvaFwUAYwQsLYDBrPmT80Bfm4SVekA6
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</CORE_DATA><SIGNATURE_INFO
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CYfl8ffm9kRCY+zaQac3ley0icVh5/4qa2t4Ns1iS+icrxrw==</SIGNATURE_INFO></CONTENT></CISCO_WT_REHOST_A
RTIFACT></CISCO_WT_ARTIFACTS> ubr10012-1#
```

Passo 2: Transferência de licença do pedido no portal da licença

Vá a <https://slexui.cloudapps.cisco.com/SWIFT/LicensingUI/Quickstart#ao> Web site, selecione o device dos “dispositivos”, clique o azul “>” para selecionar de “a licença Rehost...” e cole as credenciais do dispositivo (do comando more output como em etapa 1) para registrar e pedir transferência de licença:

The screenshot shows the 'Product License Registration' page. At the top, there are 'Help' and 'Settings' icons. Below the title, it says 'Show: All Licenses for Yuen Tak Lau'. There are tabs for 'PAKs or Tokens', 'Licenses', 'Devices', and 'Transactions History'. A toolbar contains 'Get Licenses', 'Move Licenses', 'Add Devices', 'Download Licenses', 'Email Selected Licenses', 'Export to CSV', and 'Show Filters'. The main table has columns for 'Device', 'Family', 'Features', and 'Quantity'. A context menu is open over the second row, with 'Rehost license...' highlighted in red. The table data is as follows:

Device	Family	Features	Quantity
UDI Product ID:UBR-MC3GX60V UDI Serial Number:	UBR MC20x20/3G60/PRE5/3GSPA	DS_License	123
		US_License	35
		US_License	20
UDI Product ID:UBR-MC20X20V UDI Serial Number:		DS_License	20
		DS_License	+1 120
UDI Product ID:C891FW-E-K9 UDI Serial Number:	800 Fixed	MEM-8XX-512U1GB	1
		advipservices	1

Se você não vê o dispositivo em seu perfil CCO, o clique “adiciona dispositivos” e adiciona o dispositivo a seu perfil CCO.

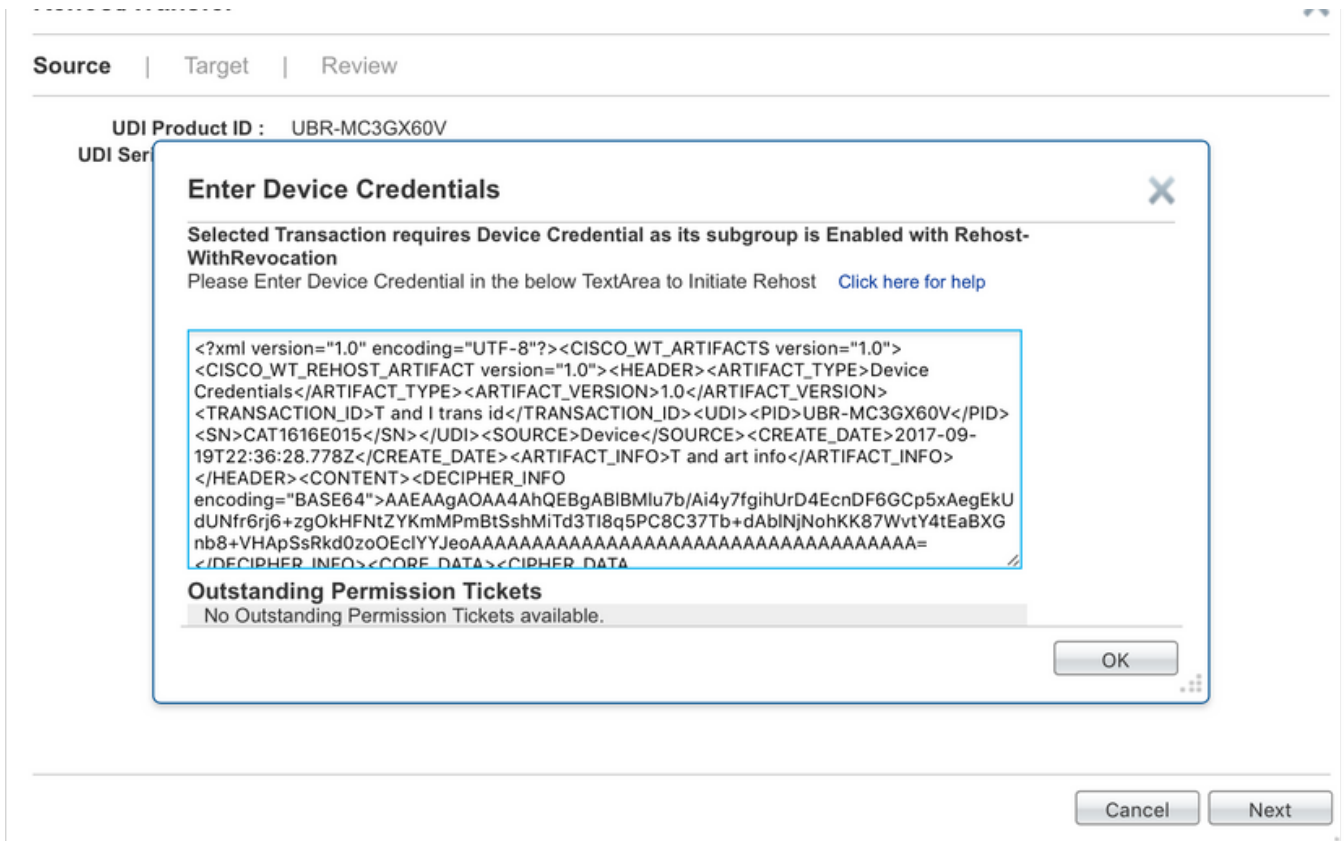
The screenshot shows the 'Initiate a Rehost' dialog box. It has a title bar with a question mark icon. Below the title, there is a description: 'On this page, you can transfer specific licenses from one device to another that were previously registered with your Cisco.com profile or by others in your organization. How do I...'. There are three steps: '1. Specify License Source', '2. Specify Target & Options', and '3. Review'. The '1. Specify License Source' step is active. Under 'Source Device Selection', there is a 'Next' button and a 'Transactions' dropdown. A 'Licenses' section has a search bar and a list of licenses. A modal dialog is open with the title 'Select the product type' and a dropdown menu set to 'Device Credential'. Below this is a text area containing a Base64-encoded string of credentials. At the bottom of the modal are 'OK' and 'Cancel' buttons.

Após ter adicionado o dispositivo, você verá a licença associada no Web page.

O 2.1 da etapa especifica a fonte para transferência de licença

Selecione a licença que você quer transferir:

Encha a caixa de texto com as credenciais do dispositivo que você obteve em etapa 2.

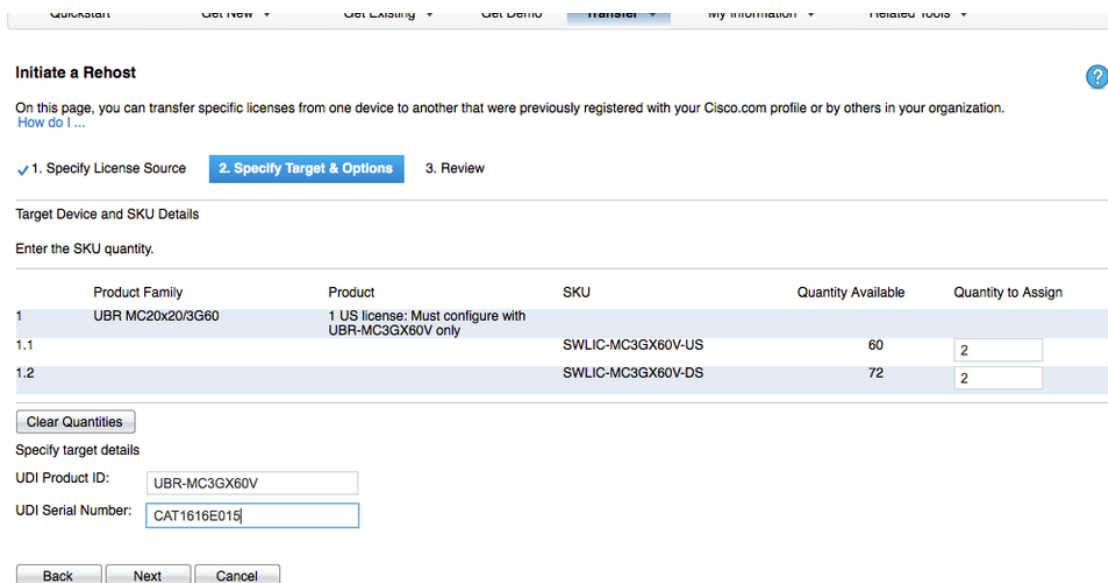


Clique "em seguida"

Etapa 2.2 Especifique o alvo para transferência de licença

Na "quantidade a atribuir", encha dentro a licença conta-o querem transferir da placa de linha da fonte.

Neste exemplo, há as licenças 72DSX60US para o subslot 8/1. Nós transferiremos as licenças 2DSx2US ao subslot 8/0. Após a transferência, as licenças 70DSx58US permanecerão no subslot 8/1.



Clique "em seguida"

Etapa 2.3 Gerencia o bilhete da permissão para transferência de licença

Initiate a Rehost ?

On this page, you can transfer specific licenses from one device to another that were previously registered with your Cisco.com profile or by others in your organization.
[How do I ...](#)

✓ 1. Specify License Source ✓ 2. Specify Target & Options **3. Review**

	Serial Number	Product ID
1 Source	CAT1435E0TZ	UBR-MC3GX60V
Target	CAT1616E015	UBR-MC3GX60V

	Sku Name	Quantity
1.1	SWLIC-MC3GX60V-DS	2
1.2	SWLIC-MC3GX60V-US	2

Your License Key will be emailed within the hour to these email addresses and connected with the specified end user.

* Send To: +

* End User: ✎

* License Agreement: I agree with the Terms of the License [View License Agreement...](#)

Uma permissão ticketado é emitida depois que você clica "submete" o botão. Obtém enviada por correio eletrônico a seu endereço email.

Copie o arquivo de licença do bilhete da permissão, de seu email, ao CMTS usando o TFTP ou aos todos os outros meios disponíveis:

```
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]
```

Passo 3: Revogue a licença na fonte LC

Use este bilhete da permissão para começar o processo do rehost usando comandos cisco ios.

Aplique as permissões que o bilhete ao dispositivo de origem usando a licença revoga o comando.

O dispositivo de origem fornece então um bilhete do rehost que indica a prova da revogação. Uma licença do período de graça de sessenta-dia é instalada igualmente no dispositivo reservar bastante tempo para transferir as licenças ao dispositivo de destino.

O bilhete de Rehost será usado para gerar o arquivo de licença novo para o alvo.

Caso que você perde o bilhete do rehost ("disk0:rt" neste caso), você pode repetir a "licença acima revoga" o procedimento para obter o bilhete do rehost.

```
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
```

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Passo 4: Obtenha a licença nova para o alvo LC no portal da licença

Entre no bilhete do rehost na ferramenta portal de transferência de licença escolhendo os “dispositivos > o movimento licencia > terminam o rehost seguro...” junto com o dispositivo de destino UDI. Refira a imagem abaixo:

The screenshot shows a web interface with four main tabs: "PAKs or Tokens", "Licenses", "Devices", and "Transactions History". Below these are four action buttons: "Get Licenses", "Move Licenses", "Add Devices", and "Download Licenses". A table below contains columns for "Device", "UDI Serial", and "UDI Product". A dropdown menu is open over the "Move Licenses" button, showing options: "Rehost selected licenses...", "Rehost from failed device(RMA)...", "Complete secure rehost..." (highlighted in blue), and "Share licenses..." with a right arrow.

Extraia o texto do bilhete de Rehost:

```
ubr10012-1#more disk0:rt <?xml version="1.0" encoding="UTF-8"?><CISCO_WT_ARTIFACTS
version="1.0"><CISCO_WT_REHOST_ARTIFACT version="1.0"><HEADER><ARTIFACT_TYPE>Rehost
Artifact</ARTIFACT_TYPE><ARTIFACT_VERSION>1.0</ARTIFACT_VERSION><TRANSACTION_ID>00DD93AAAC</TRAN
SACTION_ID><UDI><PID>UBR-
MC3GX60V</PID><SN>CAT1435E0TZ</SN></UDI><SOURCE>Device</SOURCE><CREATE_DATE>2013-07-
04T13:41:34.151Z</CREATE_DATE><CISCO_REHOST_CHANGES><CISCO_REHOST_ADD><CISCO_WT_LICENSE
version="1.0"><FEATURE_NAME>US_License</FEATURE_NAME><FEATURE_VERSION>1.0</FEATURE_VERSION><UDI>
```

<PID>UBR-MC3GX60V</PID><SN>CAT1435E0TZ</SN></UDI><SOURCE>Cisco HQ</SOURCE><CREATE_DATE>2013-07-05T00:13:44.000Z</CREATE_DATE><LICENSE_LINE_HASH hashAlgo="SHA1">v/mLxNULGRGMRuR/vu09b2lRd2w=</LICENSE_LINE_HASH><TYPE>EXTENSION</TYPE><EXPIRATI ON><DAYS>60</DAYS></EXPIRATION><EULA>YES</EULA><COUNT>60</COUNT></CISCO_WT_LICENSE></CISCO_REHOST _ADD><CISCO_REHOST_ADD><CISCO_WT_LICENSE version="1.0"><FEATURE_NAME>DS_License</FEATURE_NAME><FEATURE_VERSION>1.0</FEATURE_VERSION><UDI> <PID>UBR-MC3GX60V</PID><SN>CAT1435E0TZ</SN></UDI><SOURCE>Cisco HQ</SOURCE><CREATE_DATE>2013-07- 05T00:13:44.000Z</CREATE_DATE><LICENSE_LINE_HASH hashAlgo="SHA1">vXiItxKb5jUhxKsJvOsdobszcyg=</LICENSE_LINE_HASH><TYPE>EXTENSION</TYPE><EXPIRATI ON><DAYS>60</DAYS></EXPIRATION><EULA>YES</EULA><COUNT>72</COUNT></CISCO_WT_LICENSE></CISCO_REHOST _ADD><CISCO_REHOST_REMOVE><CISCO_WT_LICENSE version="1.0"><FEATURE_NAME>DS_License</FEATURE_NAME><FEATURE_VERSION>1.0</FEATURE_VERSION><UDI> <PID>UBR-MC3GX60V</PID><SN>CAT1435E0TZ</SN></UDI><SOURCE>Cisco HQ</SOURCE><CREATE_DATE>2010-11- 25T07:51:48.000Z</CREATE_DATE><LICENSE_LINE_HASH hashAlgo="SHA1">GG9Lxrd1VJd0ihBN8FxbiV+y4f0=</LICENSE_LINE_HASH><TYPE>PERMANENT</TYPE><COUNT>72< /COUNT></CISCO_WT_LICENSE></CISCO_REHOST_REMOVE><CISCO_REHOST_REMOVE><CISCO_WT_LICENSE version="1.0"><FEATURE_NAME>US_License</FEATURE_NAME><FEATURE_VERSION>1.0</FEATURE_VERSION><UDI> <PID>UBR-MC3GX60V</PID><SN>CAT1435E0TZ</SN></UDI><SOURCE>Cisco HQ</SOURCE><CREATE_DATE>2010-11- 25T07:52:01.000Z</CREATE_DATE><LICENSE_LINE_HASH hashAlgo="SHA1">djuYPaGEO/YcP/jdZdLBIpERW8=</LICENSE_LINE_HASH><TYPE>PERMANENT</TYPE><COUNT>60< /COUNT></CISCO_WT_LICENSE></CISCO_REHOST_REMOVE><CISCO_REHOST_ADD><CISCO_WT_LICENSE version="1.0"><FEATURE_NAME>US_License</FEATURE_NAME><FEATURE_VERSION>1.0</FEATURE_VERSION><UDI> <PID>UBR-MC3GX60V</PID><SN>CAT1435E0TZ</SN></UDI><SOURCE>Cisco HQ</SOURCE><CREATE_DATE>2013-07- 05T00:13:44.000Z</CREATE_DATE><LICENSE_LINE_HASH 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RTIFACT></CISCO_WT_ARTIFACTS> ubr10012-1#

Etapa 4.1: Incorpore a informação do rehost

Tipo de produto: "Safenet"

ID de produto UDI: <Target PID>

Número de série UDI: <Target SN>

De "no campo do bilhete Rehost" incorpore o texto extraído do bilhete de Rehost como acima.

Clique então "em seguida"

Complete Secure Rehost/Transfer



1. Enter Rehost Ticket/Key | 2. Review

Select the Product Type:

Safenet

Enter a Rehost Ticket required to generate the license for the new device.

* UDI Product ID:

* UDI Serial Number:

* Rehost Ticket:

```
<?xml version="1.0" encoding="UTF-8"?><CISCO_WT_ARTIFACTS
version="1.0"><CISCO_WT_REHOST_ARTIFACT version="1.0">
<HEADER><ARTIFACT_TYPE>Device
Credentials</ARTIFACT_TYPE>
<ARTIFACT_VERSION>1.0</ARTIFACT_VERSION>
<TRANSACTION_ID>T and I trans id</TRANSACTION_ID><UDI>
```

Cancel

Next

Etapa 4.2: Gerencia o arquivo de licença para o alvo LC

O clique "obtem a licença". Você receberá um arquivo de licença pelo email.

Upload Rehost Ticket to Finish Rehost

Use this page to complete the final step of the secure license transfer process. [How do I ...](#)



✓ 1. Enter Rehost Ticket/Key

2. Review

	Serial Number	Product ID
1 Source	CAT1435E0TZ	UBR-MC3GX60V
Target	CAT1616E015	UBR-MC3GX60V

SKU	Quantity	More Information	Feature
1.1 SWLIC-MC3GX60V-DS	2	1 DS license: Must configure with UBR-MC3GX60V only	DS_License
1.2 SWLIC-MC3GX60V-US	2	1 US license: Must configure with UBR-MC3GX60V only	US_License

Your License Key will be emailed within the hour to these email addresses and connected with the specified end user.

*Send To:

daszhang@cisco.com



*End User:

Zhang, Dashuai



*License Agreement:

I agree with the Terms of the License

[View License Agreement...](#)

Back

Get License

Cancel

Passo 5: Instale a licença nova no alvo LC.

Etapa 5.1: copie o arquivo de licença ao CMTS

Copie o arquivo de licença de seu email a um servidor TFTP acessível do uBR10K.

Copie o arquivo de licença ao uBR10K do servidor TFTP.

```
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#
```

Etapa 5.2: Verifique o estado atual da licença antes de instalar a licença nova no alvo LC

Verifique o estado atual da licença no subslot 8/0 antes de aplicar o arquivo de licença novo:

```
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#
```

Etapa 5.3: Instale a licença nova no alvo LC

Install a licença nova:

```
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
```

Etapa 5.4: Verifique o estado da licença após a instalação

Execute o comando **detail da licença da mostra** para 8/0 após ter instalado a licença 2x2 rehosted. As mudanças da contagem a 62/18:

```
ubr10012-1#????????????????????????????????????????????????????????????????????????????????
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#
```