Configure Smart Licensing (Satellite)

Cisco Smart Software Manager satellite is a component of Cisco Smart Licensing. CSSM Satellite works in conjunction with CSSM to manage product licenses, providing near-realtime visibility and reporting of Cisco licenses in use. For security reasons, if you do not want to manage the installed base with Smart Software Manager residing on Cisco.com, you can choose to install the Smart Software Manager satellite on premises.

For information about installing a Smart Software Manager Satellite server, see the Smart Software Manager Satellite Installation Guide.

The following are the high level steps to register a device in CSSM Satellite:

- Ensure that you meet all the prerequisites.
- Configure the Call Home settings if you want to enable email notifications.
- Register the device by executing the `license smart register id token <token>` command.
- In the Call-Home profile, remove the default destination CSSM production URL and configure the satellite destination URL.

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Generate a New Token from the Satellite Server

If you have chosen to deploy the Smart Software Manager Satellite On Premises, you must follow this procedure to generate a token to register your product instance to your Virtual Account.

**Step 1** Log in to the Smart Software Manager Satellite server.
Step 2  Select the **General** tab, and click **New Token**. Once the token is generated, the system displays the token on the Virtual Account page. The event log also captures the token ID creation.

The product instance is created in your Virtual Account.

**What to do next**

Register the device using the token that you generated.

**Register a Device in Satellite**

On the device, execute the `<device>\license smart register idtoken <token from Satellite>` command to complete the registration. Use the token ID that you generated from Satellite.

On successful registration, the device displays the “Registered” status and receives an identity certificate. This certificate is saved on the device and is automatically used for all future communications with the Satellite. However, if the registration fails, an error is logged.

**Example:**

```
Device#sh license summary
```
Smart Licensing is ENABLED
Registration:
Status: REGISTERED
Smart Account: BU Production Test
Virtual Account: ASR-SJC-DTExport-Controlled
Functionality: AllowedLast
Renewal Attempt: None
Next Renewal Attempt: Apr 28 03:39:36 2019 UTC
License Authorization:
Status: AUTHORIZED
Last Communication Attempt: SUCCEEDED
Next Communication Attempt: Nov 29 03:39:42 2018 UTC
License Usage:

<table>
<thead>
<tr>
<th>License Usage</th>
<th>License Entitlement</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upgrade from 2.5 Gbp...</td>
<td>(ASR_1001X_Throughput_2...)</td>
<td>1 AUTHORIZED</td>
</tr>
<tr>
<td>ASR_1000_AdvEnterprise</td>
<td>(ASR_1000_AdvEnterprise)</td>
<td>1 AUTHORIZED</td>
</tr>
</tbody>
</table>
Register a Device in Satellite