

How can I register a device within a Cisco License On-Prem (CLP) deployment?

Introduction

This document outlines the step-by-step procedure for registering devices within a Cisco License On-Prem (CLP) deployment.

Prerequisites

Before you start, ensure that you have the following:

- An active Cisco Smart Account.
- A valid Cisco.com (CCO) User ID and password with access to the relevant Smart or Virtual Account.
- Admin Access to the Cisco License On-Prem (CLP) Portal.

Steps

SL Device Registration to On-Prem:

Step 1: To register a device, create a token within the CLP portal. Refer to the guide:

[How can I create a token in Cisco License On-Prem \(CLP\) deployment?](#)

Step 2: Configure the product instance. As registration methods (CLI or GUI) vary by product, please refer to your specific product documentation for instructions on configuring communication with the Cisco License On-Prem server.

Step 3: Verify network connectivity between the device and the On-Prem server using the “*Ping*” command (if applicable).

Step 4: Execute the registration command on the device

- CLI: “license smart register idtoken <paste the token generated from step 1 above>”.
- For a GUI-based Product, use the token to register the device by referring to the Product Installation Guide.

Step 5: Verify the registration status using the command “*show license all*” (If applicable)

Step Result: In the Registration column, you can see the status of registration as “Registered”.

Registering Smart Licensing Using Policy (SLP) / CSLU Devices

Step 1: Configure the product instance. Consult your specific product documentation for instructions on configuring communication with the CLP environment.

Retrieving the Transport URL (from Cisco License On-Prem GUI)

Step 2: Access the Cisco License On-Prem (CLP) portal at: [https://\(IP Address\):8443/admin/#/mainview](https://(IP Address):8443/admin/#/mainview)

Step 3: Navigate to the *Licensing workspace* from the left-hand menu.

Step 4: Navigate to the On-Prem Account tab and select the account where the device will be registered.

Step 5: Navigate to the *Devices* tab. Under Device Connections, select *Configure Device and Token Management*.

Step 6: Locate the CSLU Transport URL field and click the Copy button. Save this URL, as it is required for configuring the transport type on your product instance.

Step 7: Configure the transport type and URL on the product instance. Refer to the product's Configuration Guide for details on: [Setting the Transport Type, URL, and Reporting Interval. \(Refer to the Configuration Guide\)](#)

Initial Usage Synchronization

Step 1: Synchronize the product instance with the CLP portal.

- On the product instance CLI, enter `license smart sync {all| local}` in privileged EXEC mode.



Note: If utility mode is enabled, the RUM report sent to the CLP is flagged accordingly.

Step 2: Verify the status in the CLP UI by navigating to Licensing Tab > Choose On-Prem Account > Devices > Device Inventory. The Usage report status column should display: *Usage report from device*.

Step 3: Perform a final synchronization to ensure all data is reflected.

Synchronize usage information with On-Prem.

To perform this action, click: [How can I perform Cisco License On-Prem \(CLP\) synchronization with Cisco License Central \(CLC\)?](#)

Step Results: The product instance and license usage information will now be visible in the CLP portal.

Troubleshooting

Q: What is the frequency at which a device sends usage reports to the On-Prem/CSLU application?

A: By default, the device sends usage reports once every 30 days. However, you can manually trigger a report from the device to the On-Prem/CSLU application at any time by executing the `license smart sync all` command on the device.