How can I register a device within an SSM On-Prem deployment?

Introduction

This document explains the steps to register a device within an SSM On-Prem deployment.

Video

The purpose of this content is to share information for educational and/or informational use. You may choose to watch the video or read the content below-both provide the same material, so feel free to engage with whichever format you prefer.

Prerequisites

Before you start, ensure that you have the following:

- A Cisco Smart Account

- A valid CCO User ID and Password with access to the Smart Account or Virtual Account.
- Admin Access to SSM On-Prem

Steps

SL Device Registration to OnPrem

Step 1: To register a device, first create a Token in On-Prem. Please refer to the link below for a guide on the same.

How can I create a token from my Smart Account, in Cisco License Central (CLC)?

Step 2: Smart-enabled product instances vary in how they register to SSM OnPrem when using the CLI or GUI, as it depends on the product. For complete instructions on configuring a product instance to communicate with SSM On-Prem, see the documentation for your product.

Step 3: Once the Device is configured, check the connectivity of the device with OnPrem SSM using the “Ping” command (If Applicable)

Step 4: Execute “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 Results: In the Registration column, you can see the status of registration as “Registered”.

Register SLP-based devices to SSM OnPrem

Step 1: Smart Licensing Using Policy-enabled product instances vary in how they register to SSM OnPrem when using the CLI or GUI, as it depends on the product. For complete instructions on configuring a product instance to communicate with SSM On-Prem, see the documentation for your product.

Step 2: Retrieving the Transport URL (from SSM On-Prem GUI)

Step 2A: Log into SSM On-Prem and select the Smart Licensing workspace.

Step 2B: Navigate to the Inventory tab and from the dropdown list of local virtual accounts (top right corner), select the default local virtual account. When you do, the area under the Inventory tab displays Local Virtual Account: Default.

Step 2C: Navigate to the General tab.

The Product Instance Registration Tokens area is displayed.

Step 2D: In the Product Instance Registration Tokens area, click CSLU Transport URL.

Step Results: The Product Registration URL pop-up window is displayed.

Step 2E: Copy the entire URL and save it in an accessible place. You will require the URL when you configure the transport type and URL on the product instance.

Step 2F: Configure the transport type and URL. See: Setting the Transport Type, URL, and Reporting Interval. (Refer to the Configuration Guide)

Initial Usage Synchronization

Where tasks are performed: Product instance, SSM On-Prem, CSSM

a. Synchronize the product instance with SSM On-Prem.

On the product instance, enter the license smart sync {all| local} command in privileged EXEC mode. This synchronizes the product instance with SSM On-Prem to send and receive any pending data. For example:

Device# license smart sync local

If the utility mode is enabled on the product instance, the RUM report that the product instance sends to SSM On-Prem is flagged accordingly.

You can verify this in the SSM On-Prem UI. Log in and select the Smart Licensing workspace. Navigate to the Inventory > SL Using Policy tab. In the Alerts column of the corresponding product instance, the following message is displayed: Usage report from product instance.



Note: If you have not performed Step 2 above (Addition and Validation of Product Instances), completing this sub-step will add the product instance to the SSM On-Prem database.

Synchronize usage information with CSSM.

To perform this action, click: How can I perform SSM On-Prem synchronization with Cisco License Central (CLC)?

Step Results: You have completed initial usage synchronization. Product instance and license usage information are now displayed in SSM On-Prem.

Troubleshooting

For External Customer/Partner Use Only: Follow these instructions to resolve your issue. If you need further assistance, please initiate a request for License Support via Cisco Support Case Manager.

For External Customer / Partner Use Only: These instructions are provided to help customers / partners perform the following actions themselves to resolve the issue. If the customer / partner runs into issues following the instructions, please have them open a case with licensing support (https://www.cisco.com/go/scm) To help resolve.