How can I perform SSM On-Prem synchronization with Cisco License Central (CLC)?

Introduction

This document explains how to perform synchronization within SSM On-Prem and Cisco License Central for both SLP (Smart Licensing Policy) Devices and SL (Smart License) Devices.

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:

- Active Cisco.com account.
- Access to SSM On-Prem.
- The user accessing License Central must have at least one of the following:
  - Smart Account User/Admin.
  - Virtual Account User/Admin.

Steps

SLP sync options are in the Licensing Workspace. You can choose a network or manual synchronization

Network Synchronization:

Step 1: Open SSM On-Prem (https://(IP Address):8443/#/mainview/).

Step 2: Navigate to Licensing Workspace > Smart Licensing > Reports > Usage Schedules.

Step 3: Trigger an immediate SLP sync or set a regular time interval.

- To trigger an immediate SLP sync, click **Synchronize now with Cisco** Button. Provide your Smart Account Login Credentials (if asked)

- To schedule the SLP sync for a regular time interval:

a. Set the Days (frequency).

b. Set the Time of Day (hour and minutes).

c. Click Save.

Manual Synchronization:

Step 1: Open SSM On-Prem (https://(IP Address):8443/#/mainview/).

Step 2: Navigate to **Licensing Workspace > Smart Licensing > Inventory > SL Using Policy > Export/Import All > Export Usage to Cisco**. Provide your Smart Account Login Credentials (if asked)

Step 3: Download the file.

Step Results: Usage File will be downloaded to your local directory

Step 4: Go to Cisco Software Central and log in with your Cisco.com credentials.

Step 5: Click on Access Cisco License Central under the Cisco License Central section.

Step 6: Enter your Smart Account or use the Search function to locate your Smart Account.

Step 7: Navigate to the left Menu bar and click on the "Devices" tab, and select "Device Managers" under Device Connections.

Step 8: Select the On-Prem Account for which you are planning to conduct Sync.

Step 9: In the rightmost column from click on the 3 dots and select Upload sync file.

Step 10: Upload the downloaded Sync file from the SSM On-Prem-> Click Next

Step 11: Review the uploaded sync file-> Click **Submit.**

Step Results: Confirmation Page will be displayed -> Click **Close.**

Step 12: Select the On-Prem Account for which you are planning to conduct Sync, go to the rightmost column, click on the 3 dots, and select "**Download latest response file"**

Step Results: Latest response file will be downloaded to your local directory

Step 13: Access your SSM On-Prem application using (https://(IP Address):8443/#/mainview/).

Step 14: Navigate to Licensing Workspace > Smart Licensing > Inventory > SL Using Policy > Export/Import All > Import from Cisco, then upload the response file that you downloaded from Cisco License Central.

Q: How do we know the SLP sync is completed?

Navigating to **Licensing Workspace > Smart Licensing > Inventory > SL Using Policy displays a table with an Alerts column. The Alerts column gives information about the SLP sync status between devices, SSM On-Prem, and Cisco License Central. Please note here, in this table, the Last Contact timestamp is the last communication between the device and the SSM On-Prem application.**

SL sync options are in Admin Workspace. You can choose a network or manual synchronization.

Network Synchronization:

Step 1: Open SSM On-Prem (https://(IP Address):8443/#/mainview/).

Step 2: Navigate to **Admin Workspace** in the top right corner of the page

Step 3: Click on the **Synchronization Widget**

Step 4: Go to the **Accounts** Tab

Step 5: Click on the **Actions** button next to the Smart Account

Step 6: In the drop-down list, Select **Network Synchronization > Full Synchronization Now**

Step 7: Provide your Smart Account Login Credentials (if asked)

Step Results: Next to the name of the smart account, the synchronization in progress loading symbol will be shown, and once the synchronization is completed, in the alerts column, you can see the “Synchronization Successful” Alert.

Manual Synchronization:

Step 1: Open SSM On-Prem (https://(IP Address):8443/#/mainview/).

Step 2: Navigate to Admin Workspace in the top right corner of the page

Step 3: Click on the Synchronization Widget -> Click on Accounts Tab

Step 4: Click on the Actions button next to the Smart Account

Step 5: In the drop-down list, select Manual Synchronization > Full Synchronization

Step Results: You will get a “Manual Synchronization” pop-up

Step 6: Download the satellite synchronization data file to your PC by clicking on the “**Download File**” button.

Step Result: Synchronization data file will be downloaded to your local directory

Upload the file to Cisco License Central, and receive a synchronization response file

Step 7: Go to Cisco Software Central and log in with your Cisco.com credentials.

Step 8: Click on Access Cisco License Central under the Cisco License Central section.

Step 9: Enter your Smart Account or use the Search function to locate your Smart Account.

Step 10: Navigate to the left Menu bar and click on the "Devices" tab, and select "Device Managers” under Device Connections.

Step 11: Select the On-Prem Account for which you are planning to conduct Sync

Step 12: In the rightmost column from click on the 3 dots and select Upload sync file.

Step 13: Upload the downloaded Sync file from the SSM On-Prem-> Click Next

Step 14: Review the uploaded sync file-> Click **Submit.**

Step Results: Confirmation Page will be displayed -> Click **Close.**

Step 15: Select the On-Prem account, go to the rightmost column, click on the 3 dots, and select “**Download latest response file”**.

Step Results: Latest response file will be downloaded to your local directory

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Note: This process can be done by selecting the “Devices” tab from the left menu bar -> Manual Syncronization under Device Connections.

- Go to the latest uploaded file -> Click on the 3 dots.
- Select “Download latest response file”.

Step 16: Again, Navigate back to SSM On-Prem > **Admin Workspace > Synchronization Widget > Accounts** Tab > **Actions** button > **Manual Synchronization > Full Synchronization**

Step 17: Upload the synchronization response file to the satellite.> Click Choose File > Click **Upload.**

Step Results: Next to the name of the smart account, the synchronization in progress loading symbol will be shown, and once the synchronization is completed, in the alerts column, you can see the “**Synchronization Successful**” Alert.

Note: To perform synchronisation within on-prem and License Central for both SLP (Smart Licensing Policy) Devices and SL (Smart License) Devices, please go to:How can I perform SSM On-Prem synchronization with Cisco cloud (CSSM)?

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.