



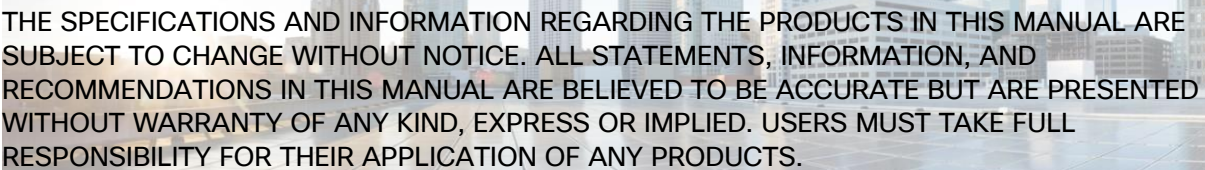
# Cisco Smart Software Manager On-Prem Migration Guide

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## Preface

This section describes the objectives and organization of this document and explains how to find additional information on related products and services. This preface contains these sections.

## Objectives

This document provides an overview of software functionality that is specific to the Cisco Smart Software Manager On-Prem (SSM On-Prem). It is not intended as a comprehensive guide to all the software features that can be run, but only the software aspects that are specific to this application.

## Related Documentation

This section refers you to other documentation that also might be useful as you configure your SSM On-Prem. This document covers important information for the SSM On-Prem and is available online.

## Document Conventions

This documentation uses the following conventions:

Convention	Description
<b>bold</b>	Bold text indicates the commands and keywords used in a step(s).
<i>italic</i>	Italic text indicates arguments for which the user supplies the values. Or a citation from another document
[x]	Square brackets enclose an optional element (keyword or argument).
[x   y]	Square brackets enclosing keywords or arguments separated by a vertical bar indicate an optional choice.
{x   y}	Braces enclosing keywords or arguments separated by a vertical bar indicate a required choice.
[x {y   z}]	Nested set of square brackets or braces indicate optional or required choices within optional or required elements. Braces and a vertical bar within square brackets indicate a required choice within an optional element.
variable	Indicates a variable for which you supply values, in context where italics cannot be used.
string	A non-quoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.

Examples for the following conventions:

Convention	Description
screen font	Terminal sessions and information the switch displays are in screen font.
<b>boldface screen font</b>	Information you must enter is in boldface screen font.
<i>italic screen font</i>	Arguments for which you supply values are in italic screen font.
< >	Nonprinting characters, such as passwords, are in angle brackets.
[ ]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.

This document uses the following call out conventions:




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**NOTE:** Means reader take note. Notes contain helpful suggestions or references to material not covered in the manual.

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**CAUTION:** Means reader be careful. In this situation, you might do something that could result in equipment damage or loss of data.

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## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see [What's New in Cisco Product Documentation](#).

To receive new and revised Cisco technical content directly to your desktop, you can subscribe to the [What's New in Cisco Product Documentation RSS feed](#).




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**NOTE:** RSS feeds are a free service.

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# Migrating to Cisco SSM On-Prem

## Preparing for Migration



**ATTENTION!**

Due to security vulnerabilities which have been addressed in successive releases, it is recommended to migrate to the most recent version of On-Prem.



**NOTE:**

Before migrating to Cisco SSM On-Prem, download the migration script. To search for the script, navigate to: <https://software.cisco.com/download/home>

- Once in the page, in the search field enter **satellite** and then click **Search**.
- From the results page, select **Cloud and Systems Management > Cisco Smart Software Manager satellite**.
- Download the latest version of **Classic Migrator**.
- Open a case with TAC to have the current Satellite instance removed so it can be replaced by SSM On-Prem.

## Migrating from SSM satellite Classic Edition

To prepare for the migration of your product and license usage information from SSM satellite Classic Edition to SSM On-Prem, complete these steps on the SSM satellite Classic Edition.

Step	Action
Step 1	Ensure you are on version 4.2.1, 5.0.1 or 5.1, and then synchronize the <b>SSM Classic Edition</b> with Cisco Smart Software Manager. <b>NOTE:</b> Make sure all licenses, tokens, and product instances (PIs) are registered.
Step 2	Back up your Cisco <b>SSM Classic</b> satellite Classic.
Step 3	Download <b>backup file</b> .
Step 4	Power down SSM Classic Edition.

## Migrating to SSM On-Prem

Once you have downloaded the **migration script** from the download section of [software.cisco.com](https://software.cisco.com) and the **latest backup** file from the SSM satellite Classic Edition, then complete these steps to migrate to SSM On-Prem from Cisco SSM satellite Enhanced Edition.

## Preparing for Migration



**NOTE:** Ensure the newly deployed SSM satellite Enhanced Edition meets the following requirements:

- You have access to the Cisco Smart Account associated with the SSM satellite Classic Edition being replaced.
- Make sure the SSM satellite Enhanced Edition server is configured with the **same IP address** used on the SSM satellite Classic Edition being replaced.
- **Latest Release of On-Prem** server has been deployed **using the Standard Profile** configuration, and has no registered local Accounts or Local Virtual Accounts (see [Post-Migration Process](#)).

## Migrating to SSM On-Prem

Follow these steps to migrate to SSM On-Prem.

Step	Action
Step 1	Deploy the <b>SSM On-Prem</b> (latest version) standard profile system.
Step 2	Configure your Cisco <b>SSM On-Prem</b> with the same network configuration you used with your previous satellite edition.
Step 3	Log into the <b>SSM On-Prem Administration</b> portal.
Step 4	Follow the setup dialogue to select <b>Language</b> and configure <b>Password</b> .
Step 5	Copy the <b>migration script</b> and SSM satellite Classic Edition <b>backup file</b> (refer to download) to SSM On-Prem. The following is an example using Linux as your operating system:  <b>NOTE:</b> The IPv4 address is the address configured in step 2.  <pre>scp ssms-classic-migrator-1.2.sh admin@&lt;ipaddress&gt; scp &lt;backup file&gt; admin@&lt;ipaddress&gt;</pre>
Step 6	Log into the SSM On-Prem interface  This command is an example using a Linux operating system.  <pre>ssh admin@&lt;ipaddress&gt;</pre>
Step 7	Enter the following command:  <pre>chmod 777 ssm-migration-script</pre>
Step 8	Run the migration tool.  <pre>./ssms-classic-migrator-1.2.sh /home/admin/&lt;backup file&gt;</pre> <b>NOTE:</b> For version 5.1, click <b>Yes</b> at the <b>Proceed?</b> prompt to continue.

## Post-Migration Process

### Synchronizing with Cisco Using the Same or Multiple VAs Associated with SSM satellite Classic Edition

Complete these steps to register your new local Accounts with Cisco and synchronize the local Accounts to ensure you have the latest security certs and license data.

If you have multiple local Accounts, you must perform the Re-Register process for each local Account.



**CAUTION:** To re-register a local Account, the Cisco Smart Satellite Manager satellite must be deleted from Cisco Smart Software Manager. Re-Registering a local Account to Cisco without deleting the old Smart Software Manager satellite instance will result in a failure in the re-registration process.



**NOTE:** Since the **SSM satellite** in **Cisco Smart Software Manager** has products registered to it, you need to open a Support Case with Cisco TAC to have a Cisco Admin remove it before beginning this procedure.

### Re-Registering a local Account (Online Mode)

Once the local **Account** has been deactivated, you will see the **Re-register** action. The **Re-registering** process requires an Internet connection to Cisco Smart Software Manager. Once you have completed **Re-registering** all local Accounts, a full synchronization is automatically scheduled to run in the background for the Account.

Complete these steps to re-register each local Account.

Step	Action
Step 1	In the <b>Admin Workspace</b> screen, click <b>Accounts Widget</b> .
Step 2	Navigate to the local Account you want to re-register and click <b>Actions</b> .
Step 3	From the Actions drop-down menu, select <b>Deactivate</b> .
Step 4	From the Actions drop-down menu, select <b>Re-register</b> . The Cisco Smart Account Administrator enters their Cisco credentials (CCO ID and Password).
Step 5	When prompted, click <b>Submit</b> . The Review Account Requests model opens.

Step	Action
Step 6	Enter the following information: <ul style="list-style-type: none"> <li>• <b>Account Name:</b> Informational only</li> <li>• <b>Cisco Smart Account:</b> The Cisco Smart Account associated with the local Account.</li> <li>• <b>Cisco Virtual Account:</b> The Cisco Virtual Account associated with the local Account. (However, any eligible Cisco Virtual Account can be used.)</li> <li>• <b>Requestor Email:</b> Informational only</li> <li>• <b>Request Date:</b> Informational only</li> <li>• <b>Message to Approver:</b> Informational only</li> </ul>
Step 7	Click <b>Next</b> . SSM On-Prem provides a status of the registration progress. Upon successful registration, a pop-up messages opens stating that the Account was successfully re-registered.
Step 8	Click <b>Close</b> . In the Accounts tab, the local Account shows as Active.

## Manually Re-Registering a Local Account (Offline Mode)

Once the local Account has been deactivated, the Manual Re-Register action becomes available.



**NOTE:**

Manually re-registering a local account assumes there is no Internet connection to Cisco Smart Software Manager. Once you have completed manually re-registering a local Account, a full manual synchronization must be performed before the local account is usable.

Complete these steps to manually re-register each local account.

Step	Action
Step 1	In the <b>Admin Workspace</b> screen, click <b>Account Widget</b> .
Step 2	Navigate to the local Account you want to re-register and click <b>Actions</b> .
Step 3	From the Actions drop-down menu, select <b>Deactivate</b> .
Step 4	From the Actions drop-down menu, select <b>Manual Re-register</b> . <b>NOTE:</b> This option is only available in the drop-down menu if you have previously <b>Deactivate</b> the local Accounts
Step 5	Click <b>Generate Re-Registration File</b> .

Step	Action
Step 6	Log into <b>Cisco Smart Software Manager</b> .
Step 7	Navigate to <b>On-Prem</b> .
Step 8	Click <b>New On-Prem</b> .
Step 9	Fill in required <b>SSM On-Prem information</b> .
Step 10	Navigate to <b>Choose File</b> and select the <b>file</b> you created in Step 5.
Step 11	Click <b>Add</b> .
Step 12	Click <b>Generate Authorization File</b> .
Step 13	Click <b>Download Authorization File</b> and save the <b>file</b> to your local computer.
Step 14	Return to <b>Admin Workspace</b> in step 5 and click <b>Choose File</b> downloaded in Step 11.
Step 15	Click <b>Upload</b> . SSM On-Prem provides a status of the registration progress. Upon successful registration, a message pop-up opens stating: Account was successfully re-registered.
Step 16	Click <b>Close</b> . In the Accounts tab, the local Account shows as <b>Active</b> .



**NOTE:** A full synchronization must be manually performed as a final step in completing the Account **Re-Registration** procedure. Unless this step is performed, the products cannot successfully report license usage to this **Account**.

In addition, if you are installing or already using MSLA utility, you must also update the smartTransport URL to enable the product.

See [Appendix 1](#) for smartTransport URL and commands to enable smartTransport.

The smartTransport URL is also located in SSM On-Prem by navigating to **Smart Software Manager on Prem > Smart Licensing > Inventory** and using the link provided in the Product Instance Registration Tokens section.

## Synchronizing with Cisco on a different Virtual Account (VA) Network

Complete these steps to reregister and synchronize with Cisco on a different VA network.

Step	Action
Step 1	In the Admin Workspace screen, click <b>Account Widget</b> .
Step 2	Navigate to the Local Account you want to re-register and click <b>Actions</b> .

Step	Action
Step 3	From the Actions drop-down menu, select <b>Deactivate</b> (if not already de-activated).
Step 4	From the Actions drop-down menu, select <b>Re-register</b> . The Cisco Smart Account Administrator enters their Cisco credentials (Cisco Connection Online Identification CCO ID and Password).
Step 5	When prompted, click <b>Submit</b> . The Review Account Requests model opens.
Step 6	Enter the following information: <ul style="list-style-type: none"> <li>• <b>Account Name:</b> Informational only</li> <li>• <b>Cisco Smart Account:</b> The Cisco Smart Account associated with the Local Account.</li> <li>• <b>Cisco Virtual Account:</b> The Cisco Virtual Account associated with the Local Account. (However, any eligible Cisco Virtual Account can be used.)</li> <li>• <b>Cisco Virtual Account:</b> The Cisco Virtual Account associated with the Local Account. (Choose the <b>new</b> Cisco Virtual Account you want to associate with.)</li> <li>• <b>Request Date:</b> Informational only</li> <li>• <b>Message to Approver:</b> Informational only</li> </ul>
Step 7	Click <b>Next</b> . SSM On-Prem provides a status for the registration progress. Upon successful re-registration, a pop-up message opens stating that the Account was successfully re-registered.
Step 8	Click <b>Close</b> . In the Accounts tab, the Local Account shows as Active.

## Appendix 1. smartTransport Command

If you are installing the MSLA utility, use this command to explicitly enable smartTransport.



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**NOTE:** If you are not using MSLA utility, you do not have to update the smartTransport URL to enable the product.  
You can also locate the

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```
-conf t
-license smart transport smart
-license smart <url>) command
```

In addition, the product must explicitly configure the Smart Usage transport URL via the `license smart url <url>` command where URL is the satellite IP address or FQDN.

- **Smart Transport URL:** Smart enabled product instances must be configured to send the registration request to SSM On-Prem. This is accomplished by setting the destination HTTP or HTTPS URL in the Smart Transport configuration section of the product configuration depending on the level of encryption used (HTTPS offers stronger encryption of communications than does HTTP). The URL should be set to `https://<SSM ON-PREM-URL>:/SmartTransport`  
`http://<SSM ON-PREM-URL>:/SmartTransport`