



Online licensing/MSLA/On-Prem

This section describes how to get a license and applies to the following use cases:

- Getting a license through direct cloud access, over the internet or through a http proxy server.
- Getting a license as part of the Managed Service License Agreement (online and offline environments)
- Getting a license through an On-Prem access (online and offline environments)

You will:

1. Set Cisco Cyber Vision Center license (ESSENTIAL or ADVANTAGE).
2. [Set transport mode \(Direct and proxy connection or Transport gateway\)](#).
3. [Set license payment mode \(MSLA only\)](#) (MSLA only).
4. [Create a token](#).
5. [Register the Center](#).

[Return to evaluation mode](#) to go back to evaluation mode is explained at the end of this section and applies to all use cases mentioned above.

- [Get a license, on page 1](#)
- [Return to evaluation mode, on page 12](#)

Get a license

Set Cisco Cyber Vision Center license

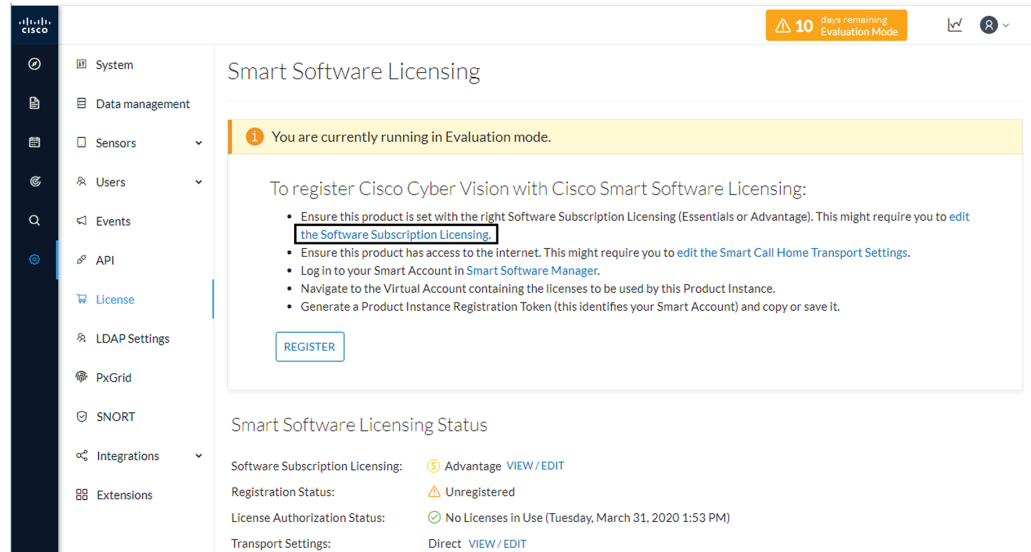
Before starting with license registration, make sure that the license type set is relevant to the Center usage. You can choose between ESSENTIAL and ADVANTAGE. Note that changing this setting can cause additional costs.

To set the Cisco Cyber Vision Center's license:

Procedure

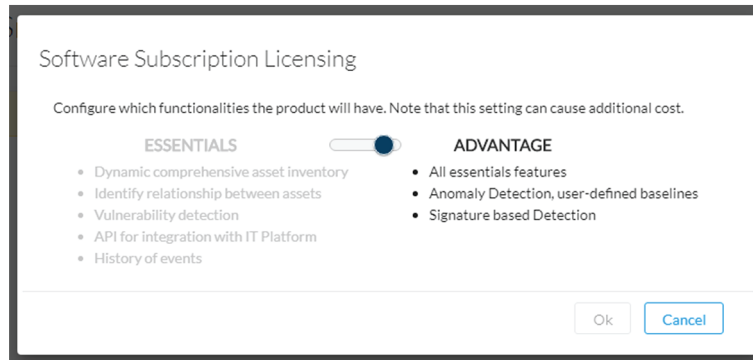
Step 1 Navigate to System Administration > License.

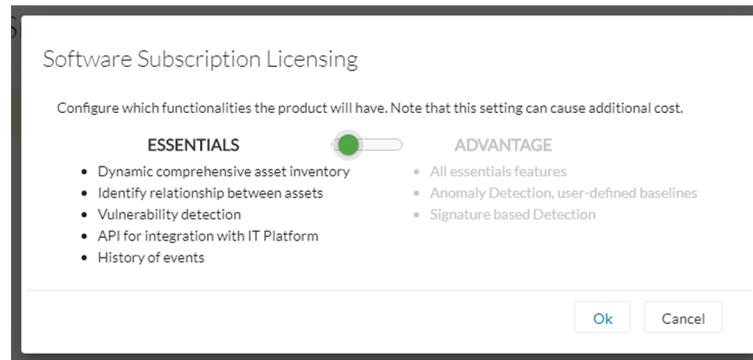
Step 2 Click "edit the Software Subscription Licensing".



Step 3 Toggle the button to select the license type (ESSENTIAL or ADVANTAGE).

Note By default, the license type is set to ADVANTAGE.





Set transport mode

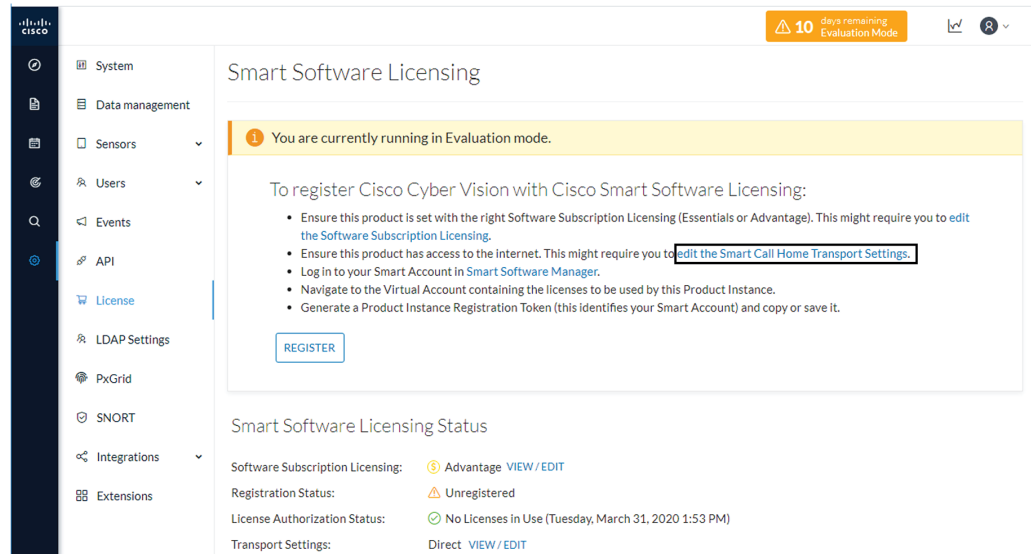
A network path to Cisco license server must be set so the Center can communicate directly or through a proxy with the cloud, or with an on-site satellite. This section explains how to set the transport mode accordingly.

- In case of direct connection to the cloud or through a proxy, or if CSSM On-Prem is used (independently of the MSLA), refer to the [Direct and proxy connection](#) procedure.
- If needed or if CSSM On-Prem is used as part of the Managed Service License Agreement (MSLA), refer to the [Transport gateway](#) procedure.

Direct and proxy connection

Procedure

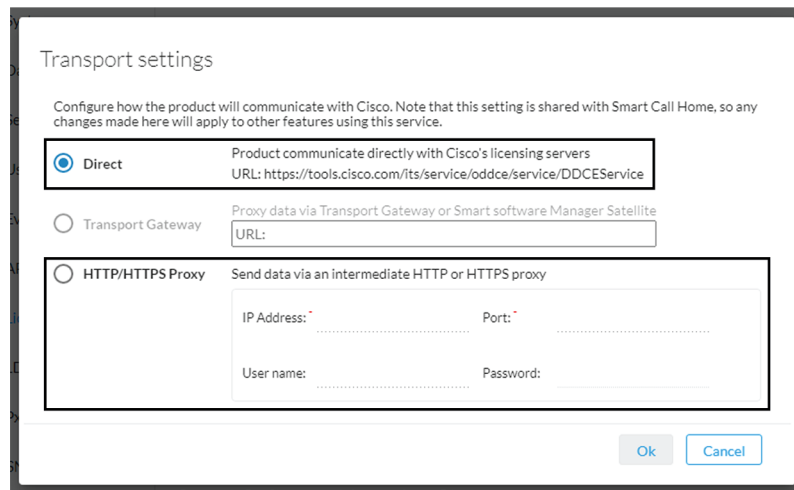
- Step 1** In Cisco Cyber Vision, click "edit the Smart Call Home Transport Settings".



Step 2 Select how the Cisco Cyber Vision Center will reach the CSSM (cloud).

Step 3

- The option Direct is selected by default. It means that the Cisco Cyber Vision Center has secure access to the Internet and can reach the CSSM server using a ciphered connection.
- The option HTTP/HTTPS Proxy should be selected if the Cisco Cyber Vision Center has access to the Internet through a Proxy.



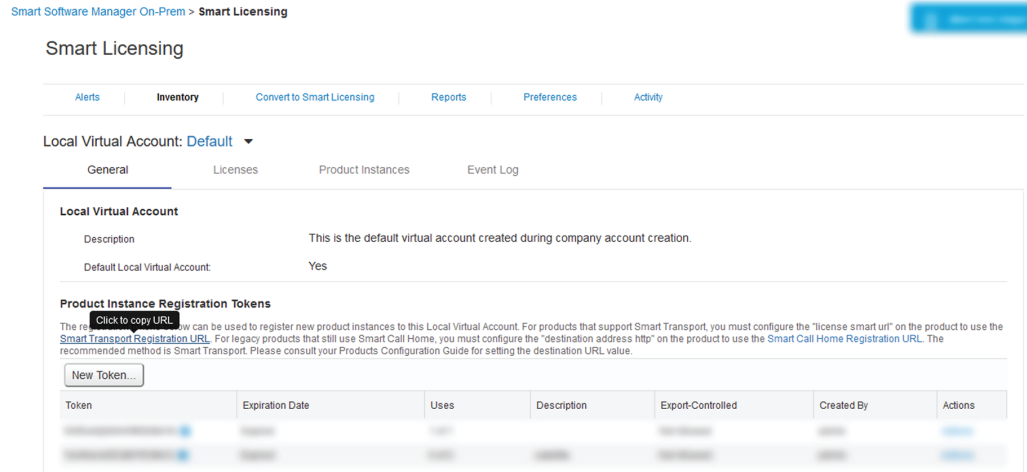
Transport gateway

If required, or if the license is being deployed as part of the Managed Service License Agreement, set the transport mode as transport gateway.

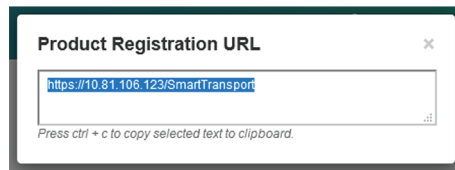
To set the transport mode as transport gateway:

Procedure

- Step 1** In CSSM On-Prem, navigate to Smart Licensing > Inventory > General.
- Step 2** Click the link "Smart Transport Registration URL".



- Step 3** Copy the Product Registration URL that is displayed in the pop-up.



- Step 4** In Cisco Cyber Vision > Admin > License, click the link "edit the Smart Call Home Transport Settings".

Smart Software Licensing

81 days remaining Evaluation Mode

You are currently running in Evaluation mode.

To register Cisco Cyber Vision with Cisco Smart Software Licensing:

- Ensure this product is set with the right Software Subscription Licensing (Essentials or Advantage). This might require you to [edit the Software Subscription Licensing](#).
- Ensure this product has access to the internet. This might require you to [edit the Smart Call Home Transport Settings](#).
- Log in to your Smart Account in [Smart Software Manager](#).
- Navigate to the Virtual Account containing the licenses to be used by this Product Instance.
- Generate a Product Instance Registration Token (this identifies your Smart Account) and copy or save it.

REGISTER

Smart Software Licensing Status

Software Subscription Licensing: Advantage [VIEW / EDIT](#)

License mode: Pre-paid Term Subscription

Registration Status: Unregistered

License Authorization Status: Evaluation Mode (Monday, February 1, 2021 1:52 PM) (81 days remaining)

Transport Settings: Direct [VIEW / EDIT](#)

The Transport settings window pops up.

Step 5 Select Transport Gateway and paste the Product Registration URL.

Transport settings

Configure how the product will communicate with Cisco. Note that this setting is shared with Smart Call Home, so any changes made here will apply to other features using this service.

Direct Product communicate directly with Cisco's licensing servers
URL: <https://tools.cisco.com/its/service/oddce/service/DDCEService>

Transport Gateway Proxy data via Transport Gateway or Smart software Manager Satellite
URL:

HTTP/HTTPS Proxy Send data via an intermediate HTTP or HTTPS proxy

IP Address: Port:

User name: Password:

Ok Cancel

Step 6 Click Ok.

Step 7 In the license administration page of Cisco Cyber Vision, check that the transport mode is set to transport gateway.

Smart Software Licensing Status

Software Subscription Licensing:	📄 Advantage VIEW / EDIT
License mode:	Pre-paid Term Subscription
Registration Status:	⚠️ Unregistered
License Authorization Status:	⚠️ Evaluation Mode (Monday, February 1, 2021 1:52 PM) (81 days remaining)
Transport Settings:	Transport Gateway VIEW / EDIT

Set license payment mode (MSLA only)

This section is only applicable in the case of a Managed Service License Agreement.

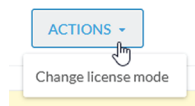
To set the license mode to Post-paid Usage Subscription (MSLA only):

Smart Software Licensing Status

Software Subscription Licensing:	📄 Advantage VIEW / EDIT
License mode:	Pre-paid Term Subscription
Registration Status:	⚠️ Unregistered
License Authorization Status:	⚠️ Evaluation Mode (Monday, February 1, 2021 1:52 PM) (81 days remaining)
Transport Settings:	Transport Gateway VIEW / EDIT

Procedure

- Step 1** In Cisco Cyber Vision, click the Actions button located at the top right corner of the license administration page, and click Change License mode.




The Configure License mode window pops up.

- Step 2** Use the toggle button to enable the utility mode.

Configure License mode

Enable the Utility mode and fill customer informations will activate the Post-paid Usage Subscription.
The Smart Agent will send license usage reports to a licensing satellite or server every four hours. The usage reports will be forwarded to a billing server and the customer will received a monthly bill for their license usage.

 Utility mode: Enabled


Customer informations (optional)

Customer ID:	Customer name:
<input type="text"/>	<input type="text"/>
Customer street:	Customer city:
<input type="text"/>	<input type="text"/>
Customer state:	Customer country:
<input type="text"/>	<input type="text"/>
Customer postal code:	
<input type="text"/>	


Step 3 Click Activate Post-paid Usage Subscription.


In the license administration page, check that the license mode is set to Post-paid Usage Subscription.

Smart Software Licensing Status

Software Subscription Licensing:  Advantage [VIEW / EDIT](#)

License mode: Post-paid Usage Subscription

Registration Status:  Unregistered

License Authorization Status:  Evaluation Mode (Monday, February 1, 2021 1:52 PM) (81 days remaining)

Transport Settings: Transport Gateway

Create a token

This section describes how to create a license token, set its expiration date and maximum number of use.

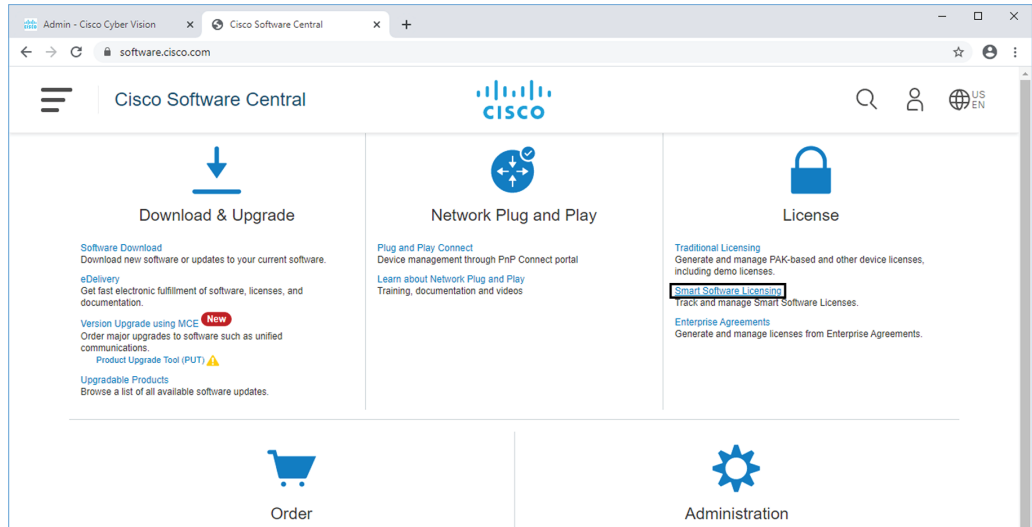


Note As CSSM and CSSM On-Prem are equivalent products and have similar aspects, only screenshots of CSSM are shown in the procedure described below.

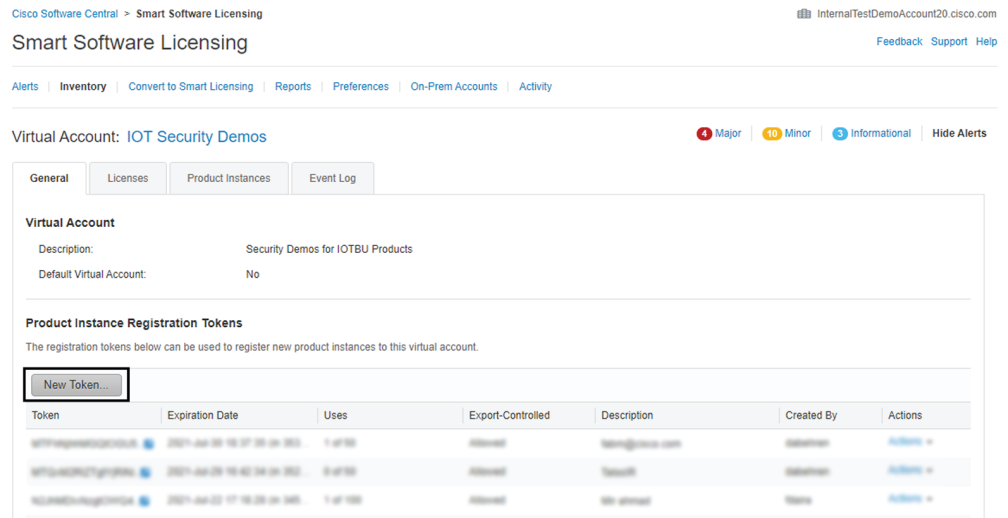
To create a token:

Procedure

- Step 1** Access and log in to the CSSM (or CSSM On-Prem).
- Step 2** In Cisco Software Central, under License, click Smart Software Licensing.
In Smart Software Manager On-Prem, click Smart Licensing.



- Step 3** Click the Inventory menu.
- Step 4** Click the New Token button.



A Create Registration Token pop up opens.

Create a token

Create Registration Token

This will create a token that is used to register product instances, so that they can use licenses from this virtual account. Once it's created, go to the Smart Licensing configuration for your products and enter the token, to register them with this virtual account.

Virtual Account: IOT Security Demos

Description: Cisco Cyber Vision JMA

Expire After: 60 Days
Between 1 - 365, 30 days recommended

Max. Number of Uses: 200
The token will be expired when either the expiration or the maximum uses is reached

Allow export-controlled functionality on the products registered with this token

Create Token **Cancel**

Step 5 Fill in the following fields:

- Description: add a description to identify the Center's owner or purpose.
- Expire after: the token will expire after the amount of days indicated in this field.
- Max. Number of Uses: the token will expire as login accesses reach the number indicated in this field.

Step 6 Click the Create Token button.

The new token appears in the list.

Cisco Software Central > Smart Software Licensing InternalTestDemoAccount20.cisco.com

Smart Software Licensing Feedback Support Help

Alerts | Inventory | Convert to Smart Licensing | Reports | Preferences | On-Prem Accounts | Activity

Virtual Account: IOT Security Demos Major Minor Informational Hide Alerts

General Licenses Product Instances Event Log

Virtual Account

Description: Security Demos for IOTBU Products

Default Virtual Account: No

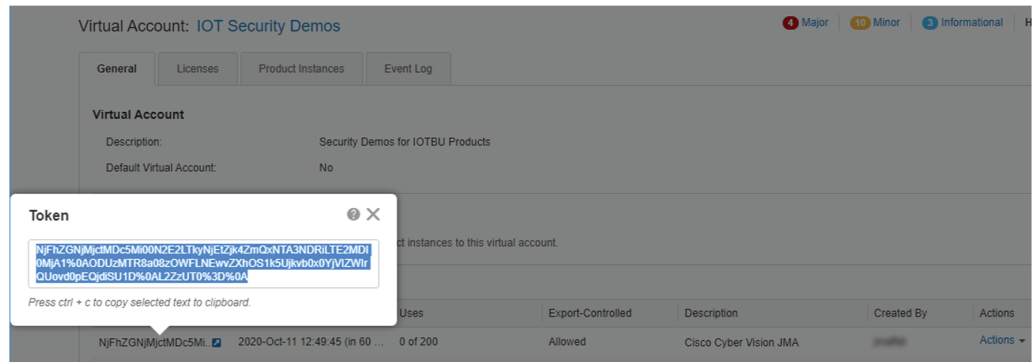
Product Instance Registration Tokens

The registration tokens below can be used to register new product instances to this virtual account.

New Token...

Token	Expiration Date	Uses	Export-Controlled	Description	Created By	Actions
NjFhZGNjMjcMDc5Mi	2020-Oct-11 12:49:45 (in 60 ...)	0 of 200	Allowed	Cisco Cyber Vision JMA	cs@cs.com	Actions
...	...	...	Allowed	...	...	Actions
...	...	...	Allowed	...	...	Actions
...	...	...	Allowed	...	...	Actions

Step 7 Click the blue arrow next to the token name and copy it.

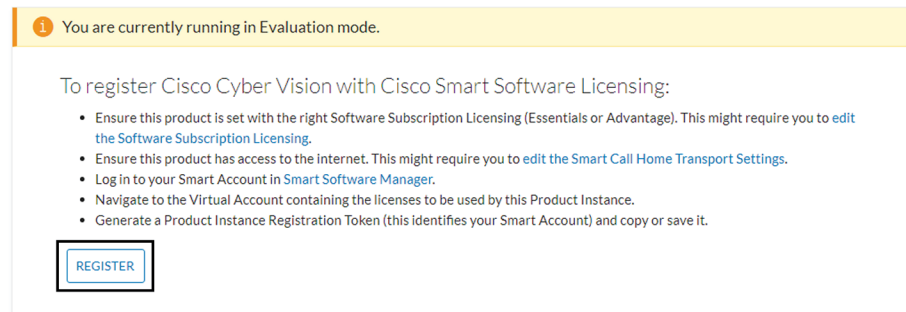


Register the Center

To register the Cisco Cyber Vision Center:

Procedure

Step 1 In Cisco Cyber Vision, click the button Register.



The Smart Software Licensing Product Registration window opens.

Step 2 Paste the token into the text field and click Register.

Smart Software Licensing Product Registration

To register the product for Smart Software Licensing:

- Ensure that you have connectivity to the url specified in your Smart Call Home settings. By default, this will require Internet access. If your Smart Account is authorized for License Reservation and you wish to reserve licenses, [start here](#).
- Paste the Product Instance Registration Token you generated from [Smart Software Manager](#).

Product Instance Registration Token:

```
NjFhZGNjMjctMDc5Ml00N2E2LTkyNjEtZik4ZmQxNTA3NDRIITE2MDI0MjA1%0AODUzMTR8a08
zQWFLNEwvZXhOS1k5Ujkb0x0YiVlZWlrOUovd0pEQidiSU1D%0AL2ZzUT0%3D%0A
```

Reregister this product instance if it is already registered

The registration status should turn to Registered.

Smart Software Licensing

To view and manage Smart Licenses for your Cisco Smart Account, go to [Smart Software Manager](#)

Smart Software Licensing Status

Software Subscription Licensing:	\$ Advantage VIEW / EDIT
Registration Status:	✔ Registered (Wednesday, August 12, 2020 2:53 PM)
License Authorization Status:	✔ No Licenses in Use (Tuesday, March 31, 2020 1:53 PM)
Smart Account:	InternalTestDemoAccount20.cisco.com
Transport Settings:	Direct VIEW / EDIT

Step 3 If Transport Gateway was selected when selecting the network path as it is the case when doing MSLA, the license mode will switch from Pre-paid to Post-paid usage subscription.

The installation of the license is complete and you can continue using Cisco Cyber Vision.

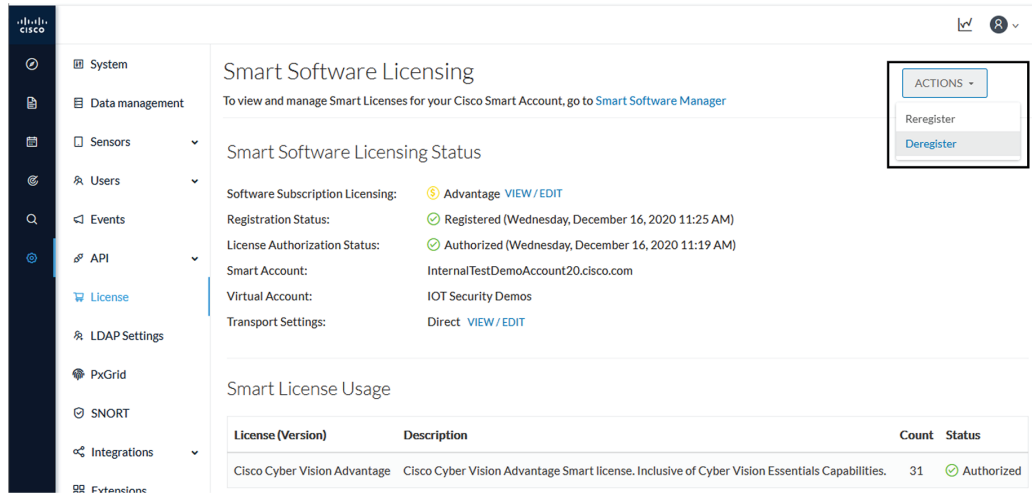
Return to evaluation mode

To return to evaluation mode, you need to deregister the Center from the online reservation.

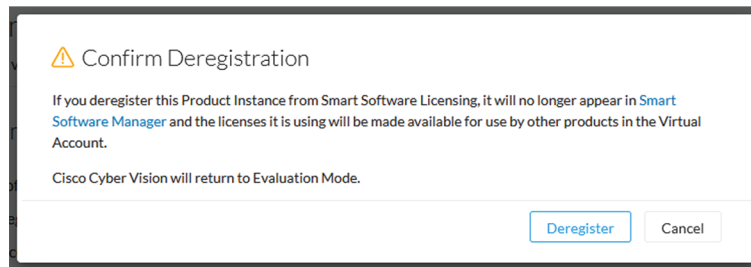
To deregister the Cisco Cyber Vision Center:

Procedure

Step 1 In Cisco Cyber Vision, click the button Actions > Deregister.



Step 2 Confirm by clicking Deregister.



The deregistration takes a few moments.

The Center will go in Evaluation mode and the registration status in Unregistered.

The screenshot shows the Cisco Smart Software Licensing management interface. On the left is a navigation sidebar with categories like System, Data management, Sensors, Users, Events, API, License (highlighted), LDAP Settings, PxGrid, SNORT, Integrations, and Extensions. The main content area is titled 'Smart Software Licensing' and features a yellow warning banner: 'You are currently running in Evaluation mode.' Below this, instructions are provided for registering the product with Cisco Smart Software Licensing, including steps for setting up Software Subscription Licensing, internet access, Smart Account login, and registration token generation. A 'REGISTER' button is present. At the bottom, the 'Smart Software Licensing Status' is displayed with the following details:

Category	Status	Action
Software Subscription Licensing:	Advantage	VIEW / EDIT
Registration Status:	Unregistered	
License Authorization Status:	(Wednesday, December 16, 2020 11:43 AM)	
Transport Settings:	Direct	VIEW / EDIT