



## Online licensing/MSLA/On-Prem

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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 (Essentials 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](#) 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 11](#)

## Get a license

### Set Cisco Cyber Vision Center license

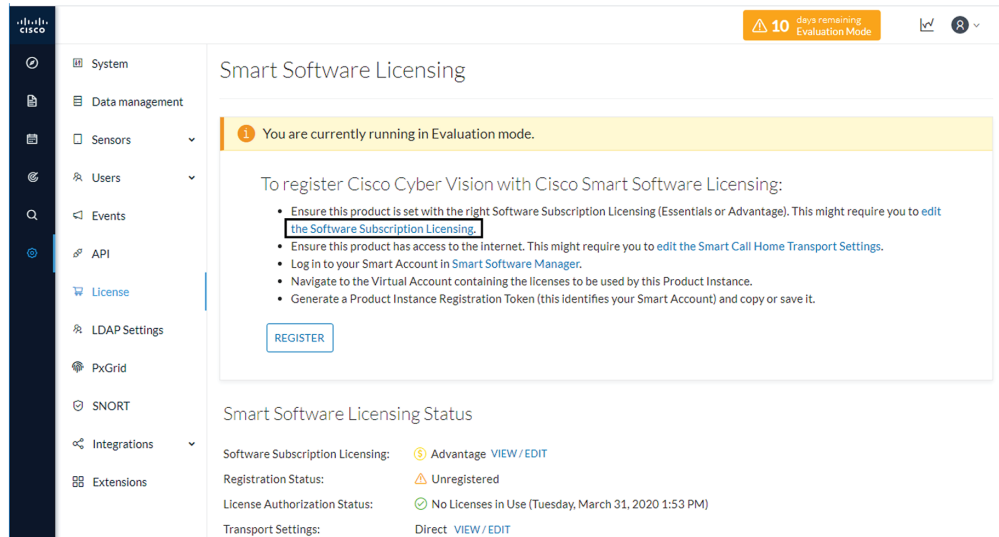
Before starting with license registration, make sure that the license type set is relevant to the Center usage. You can choose between Essentials and Advantage. Note that changing this setting can cause additional costs.

To set the Cisco Cyber Vision Center's license:

#### Procedure

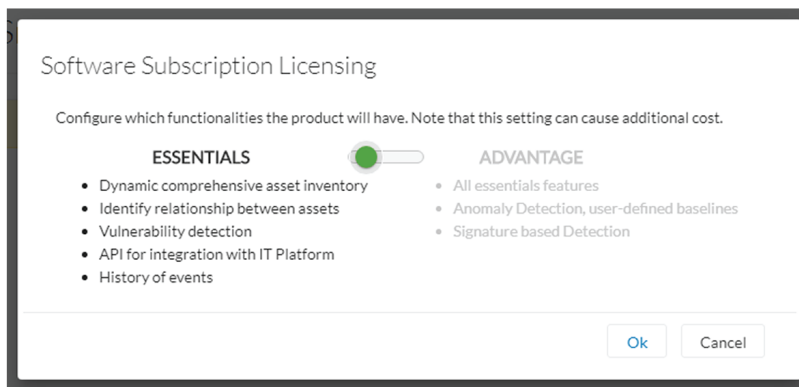
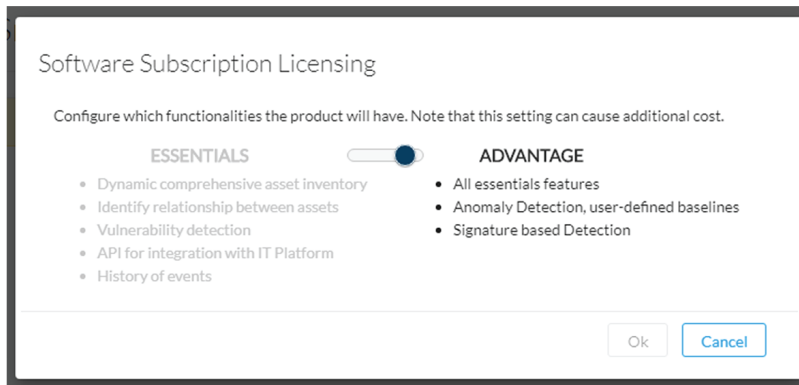
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- Step 1** Navigate to System Administration > License.
- Step 2** Click "edit the Software Subscription Licensing".



**Step 3** Toggle the button to select the license type (Essentials or Advantage).

**Note** By default, the license type is set to Advantage.



## Set transport mode

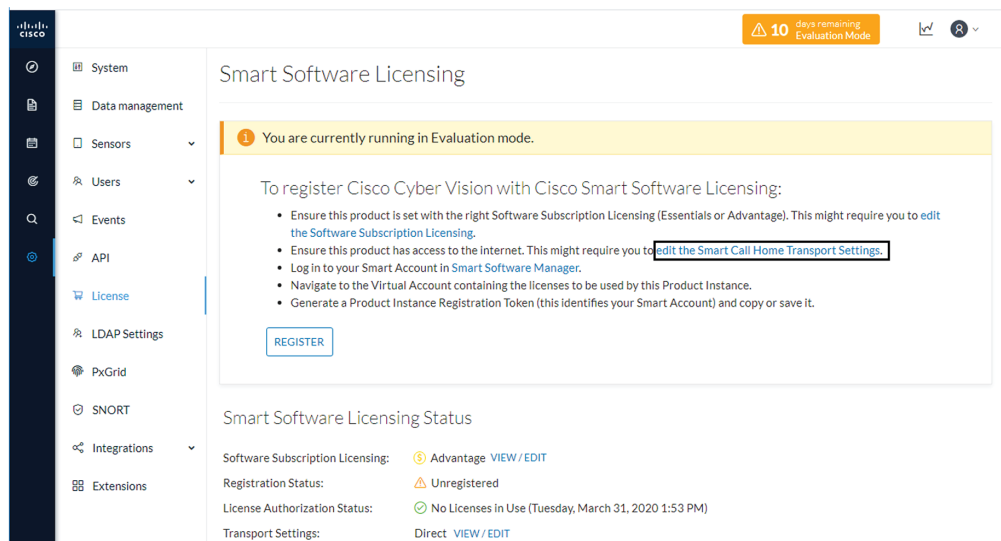
A network path to Cisco license server must be set so the Center can communicate directly or through a proxy with the cloud, or with an on-site satellite. This section explains how to set the transport mode accordingly.

- 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**.



The transport settings window pops up.

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

- 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

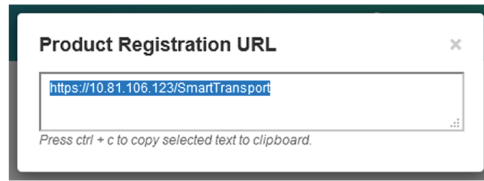
If required, or if the license is being deployed as part of the Managed Service License Agreement, set the transport mode as transport gateway.

To set the transport mode as transport gateway:

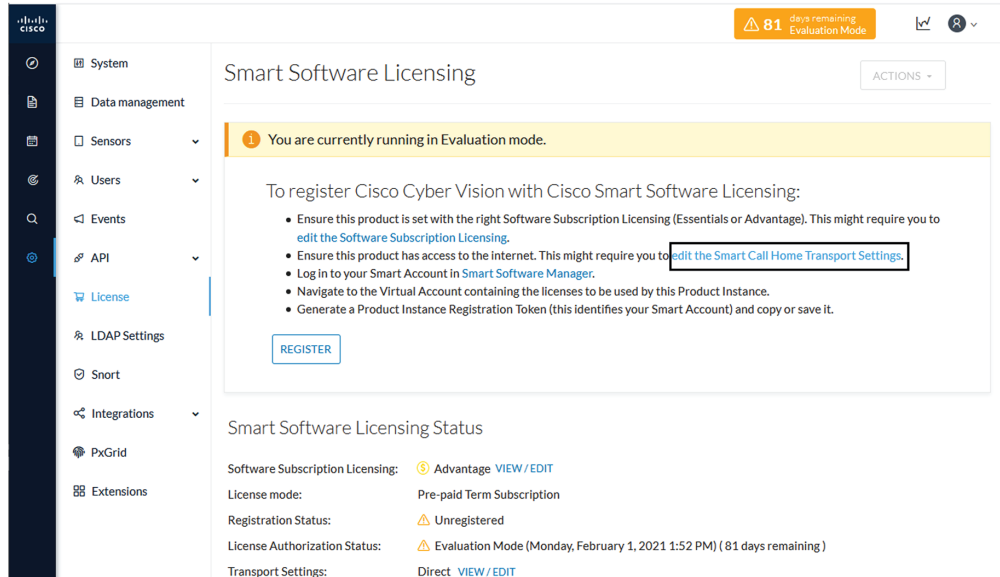
### Procedure

- 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.

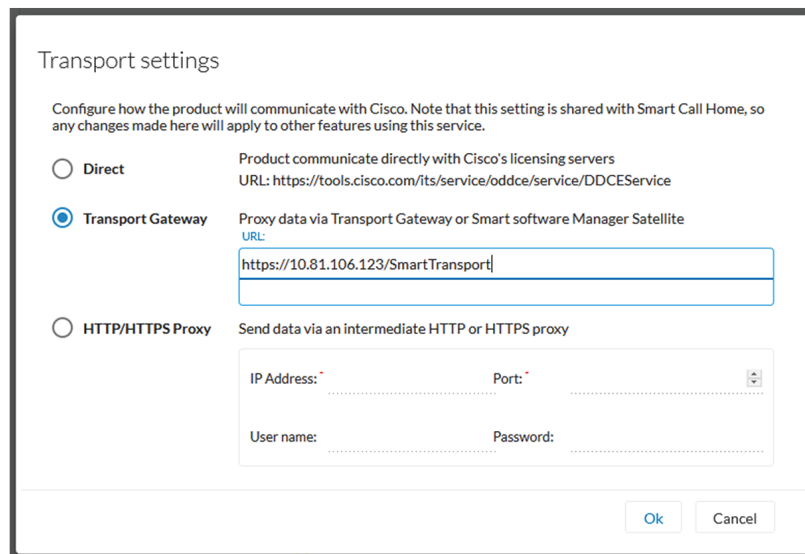


**Step 4** In Cisco Cyber Vision > Admin > License, click the link **edit the Smart Call Home Transport Settings**.



The Transport settings window pops up.

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



**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 <a href="#">VIEW / EDIT</a>
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:	<b>Transport Gateway</b> <a href="#">VIEW / EDIT</a>

## Set license payment mode (MSLA only)

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

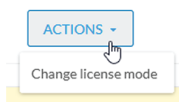
To set the license mode to Post-paid Usage Subscription (MSLA only):

Smart Software Licensing Status

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

### 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.

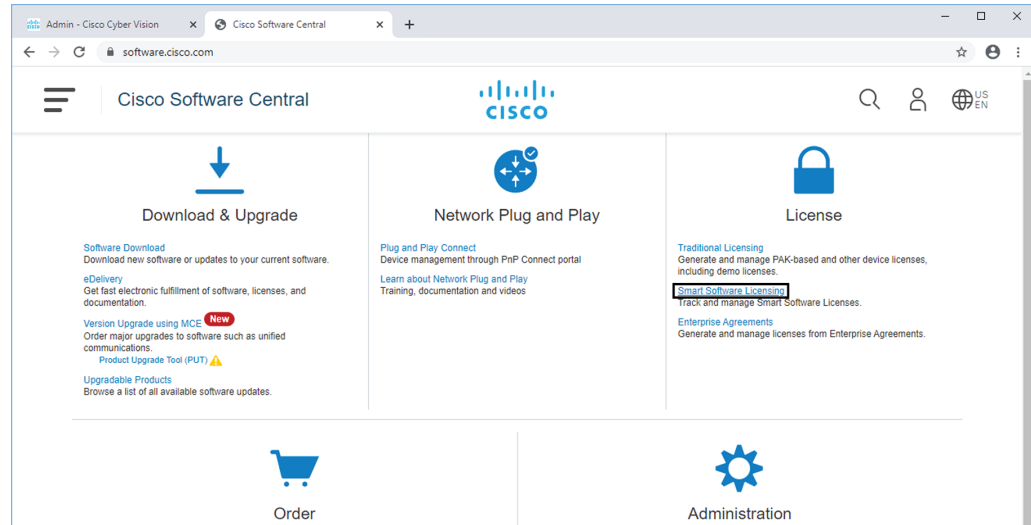


**Note** As CSSM and CSSM On-Prem are equivalent products and have similar aspects, only screenshots of CSSM are shown in the procedure described below.

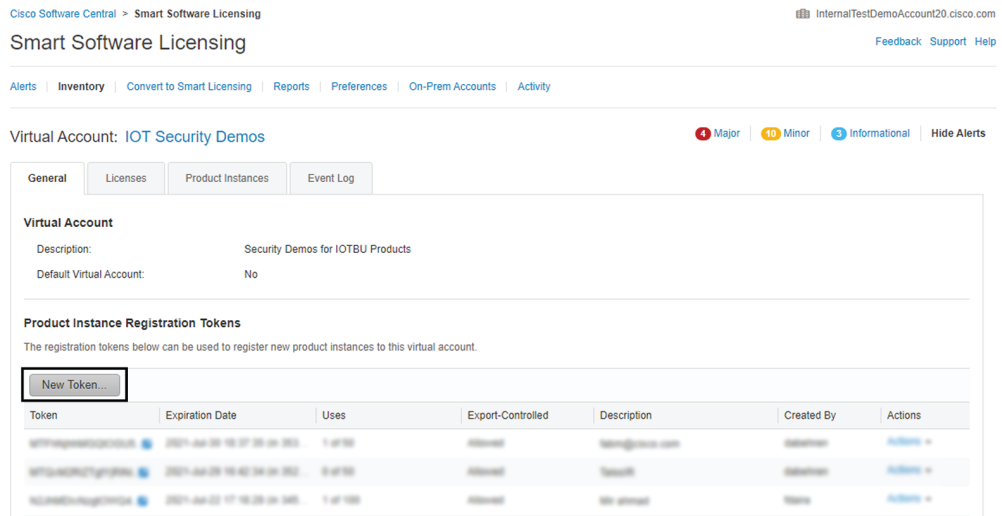
To create a token:

## 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.



**Step 5** Fill in the following fields:

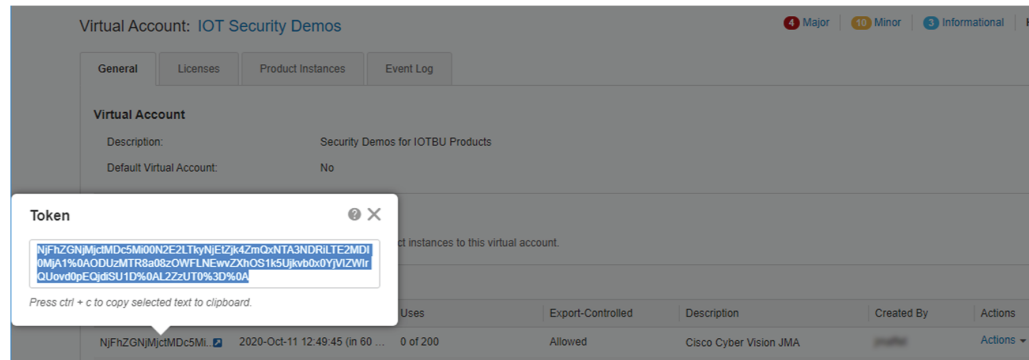
- Description: add a description to identify the Center's owner or purpose.
- Expire after: the token will expire after the amount of days indicated in this field.
- Max. Number of Uses: the token will expire as login accesses reach the number indicated in this field.

**Step 6** Click the Create Token button.

The new token appears in the list.

Token	Expiration Date	Uses	Export-Controlled	Description	Created By	Actions
NjFhZGNjMjc1MDC5Mi...	2020-Oct-11 12:49:45 (in 60 ...)	0 of 200	Allowed	Cisco Cyber Vision JMA	csd@cs.com	Actions
...	...	...	Allowed	...	...	Actions
...	...	...	Allowed	...	...	Actions
...	...	...	Allowed	...	...	Actions

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

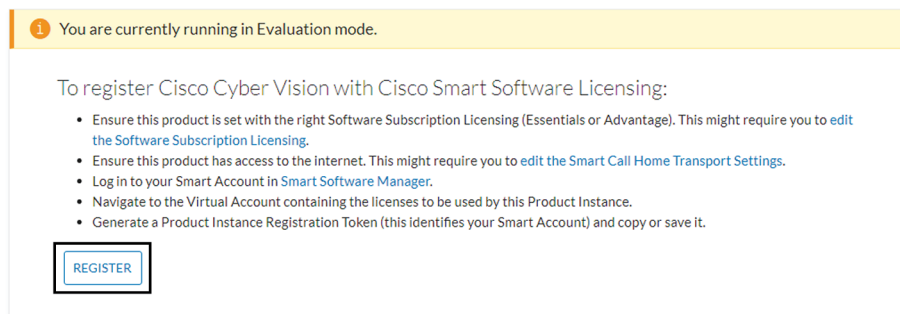


## Register the Center

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:

NjFhZGNiMictMDc5Ml00N2E2LTkyNjEtZik4ZmQxNTA3NDRIlTE2MDI0MjA1%0AODUzMTR8a08  
zOWFLNEwvZXhOS1k5UjJkb0x0YiVIZWlrQUJvdOpEQjdiSU1D%0AL2ZzUTO%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](#)

[ACTIONS](#) ▾

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### Smart Software Licensing Status

Software Subscription Licensing:	🟡 Advantage <a href="#">VIEW / EDIT</a>
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 <a href="#">VIEW / EDIT</a>

**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

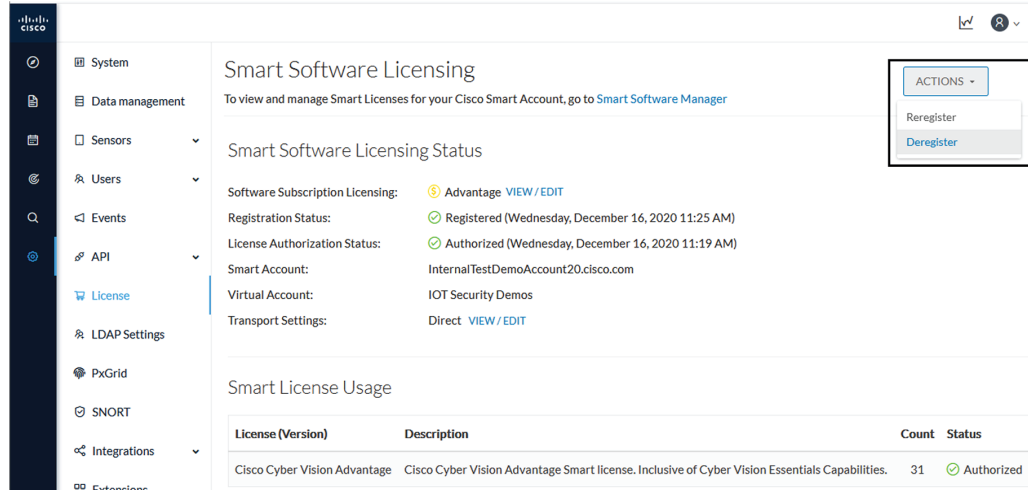
To return to evaluation mode, you need to deregister the Center from the online reservation.

Once back to evaluation mode, the 90-day countdown resumes where it has stopped. If the countdown has reached zero, access to Cisco Cyber Vision user interface will be prevented.

To deregister the Cisco Cyber Vision Center:

## Procedure

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



The screenshot shows the Cisco Cyber Vision interface. On the left is a navigation menu with categories like System, Data management, Sensors, Users, Events, API, License, LDAP Settings, PxGrid, SNORT, Integrations, and Extensions. The main content area is titled 'Smart Software Licensing' and includes a sub-section 'Smart Software Licensing Status'. This section displays the following information:

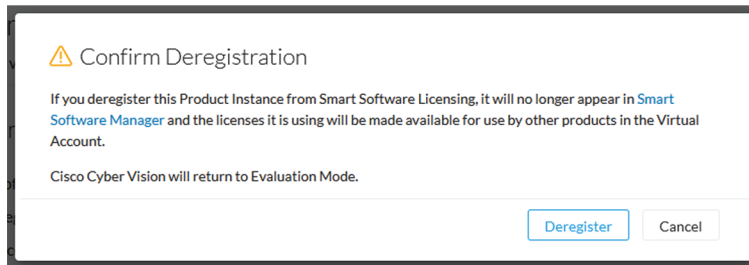
- Software Subscription Licensing: Advantage [VIEW / EDIT](#)
- Registration Status: Registered (Wednesday, December 16, 2020 11:25 AM)
- License Authorization Status: Authorized (Wednesday, December 16, 2020 11:19 AM)
- Smart Account: InternalTestDemoAccount20.cisco.com
- Virtual Account: IOT Security Demos
- Transport Settings: Direct [VIEW / EDIT](#)

Below this is a 'Smart License Usage' table:

License (Version)	Description	Count	Status
Cisco Cyber Vision Advantage	Cisco Cyber Vision Advantage Smart license. Inclusive of Cyber Vision Essentials Capabilities.	31	Authorized

An 'ACTIONS' dropdown menu is open in the top right corner, showing 'Reregister' and 'Deregister' options, with 'Deregister' highlighted.

**Step 2** Confirm by clicking Deregister.



The dialog box is titled 'Confirm Deregistration' and contains the following text:

If you deregister this Product Instance from Smart Software Licensing, it will no longer appear in [Smart Software Manager](#) and the licenses it is using will be made available for use by other products in the Virtual Account.

Cisco Cyber Vision will return to Evaluation Mode.

At the bottom of the dialog are two buttons: 'Deregister' and 'Cancel'.

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, LDAP Settings, PxGrid, SNORT, Integrations, and Extensions. The main content area is titled "Smart Software Licensing" and features a red notification banner at the top right stating "The license is Expired". Below this, a yellow warning box indicates "You are currently running in Evaluation mode." The central part of the page provides instructions on how to register the product, including steps for setting up Software Subscription Licensing, ensuring internet access, logging into a Smart Account, and generating a registration token. A "REGISTER" button is provided. At the bottom, the "Smart Software Licensing Status" section displays the current configuration: Software Subscription Licensing is set to Advantage, Registration Status is Unregistered, License Authorization Status is expired as of Wednesday, December 16, 2020 at 11:43 AM, and Transport Settings are set to Direct.

