

Cisco Smart Licensing for Secure Workload

Cisco Smart Licensing is a unified license management system that manages software licenses across Cisco products. If you have a Cisco Smart Licensing account, you can associate the Cisco Smart Licensing token with a Secure Workload license.

Secure Workload Licenses

- Tetration workload protection—For workload protection. License information is available in the Total workload license usage table on the License Usage Information page.
- Tetration endpoint visibility—For workload visibility in Secure Workload. The number of workloads and licenses that are consumed is available in the Total endpoint license usage table on the License Usage Information page.
- Secure Workload PLR—Purchase the PLR license to use the license reservation PLR mode in Secure Workload.

Registering for Secure Workload Smart Licensing

Table 1: Registering for Secure Workload Smart Licensing

New Users		Existing Users			
1.	Create a Smart Account on Cisco Software Central and purchase the Secure Workload entitlements. For more information, see Cisco Licensing.	1.	The purchased Secure Workload entitlements are saved in the Cisco Smart Software Manager under your Smart Account. To manage, go to Smart Software Manager.		
2. 3.	Go to Smart Software Manager and create a token to register the Secure Workload cluster. From Secure Workload, connect to the Cisco Smart Software Manager (CSSM) portal to register the cluster and sync all the licenses and compliance information. You can also reserve specific licenses.	2. 3. 4.	Upgrade to Secure Workload release 3.8. Go to Smart Software Manager and create a token to register the Secure Workload cluster. From your latest Secure Workload version, connect to the Cisco Smart Software Manager (CSSM) portal to register the cluster and sync all the licenses and compliance information. You can also reserve specific licenses.		

For more information about creating a smart account, see:

- How to Create a Smart Account
- How to Create a Smart Account Video

Licensing options available in Secure Workload:

- Connected mode—The entitlement and compliance information is communicated by Secure Workload with the Smart Software Manager on a periodic basis. If you make changes in the Smart Software Manager, you can refresh the authorization on Secure Workload so the changes immediately take effect. You can also wait for Secure Workload to communicate as scheduled. See Secure Workload Smart License Registration—CSSM Portal, on page 2.
- · Air-gapped mode
 - Smart Software Manager On-Prem—The Smart Software Manager On-Prem allows you to schedule synchronization or manually synchronize Smart License authorization with the Smart Software Manager. To register a Secure Workload cluster using Smart Software Manager On-Prem, see Secure Workload Smart License Registration—CSSM On-Premises, on page 9.
 - Specific license reservation—Use the license reservation method to reserve licenses from your virtual smart account without accessing the Smart Software Manager or using Smart Software Manager On-Prem. See License Reservation, on page 5.



Note

- Smart licensing is applicable to the Secure Workload on-premises version and is not applicable to the SaaS version.
- Smart licensing feature requires a Secure Workload cluster running on version 3.8 and later.
- After the failover, you must register the latest primary cluster with Smart Software Manager or using Smart Software Manager On-Prem to synchronize the licenses.
- For Federation clusters, individually register leaders and followers using smart licenses. However, the leader will not consume any endpoint or workload licenses.
- The Secure Workload cluster enters a noncompliant state when the licenses are being overutilized or the licenses have expired. We recommended that you take action immediately to restore the cluster in a compliant state. In release 3.8, no features are affected due to the noncompliant state.
- Secure Workload Smart License Registration—CSSM Portal, on page 2
- License Reservation, on page 5
- Secure Workload Smart License Registration—CSSM On-Premises, on page 9
- Synchronize Smart Licenses, on page 10

Secure Workload Smart License Registration—CSSM Portal

Before you begin

Ensure that:

Internet connectivity is available to register the Secure Workload cluster with the CSSM portal.

• Smart Licensing account contains the required licenses you need.

Procedure

- **Step 1** Go to the Cisco Smart Software Manager (CSSM) portal and perform the following actions to generate a token for the virtual account to which you want to register the Secure Workload cluster.
 - a) Login to the CSSM portal.
 - b) Choose the correct virtual account and navigate to **Smart Software Licensing** > **General** and click **New Token**. Follow the onscreen instructions to create a token.

isco Software Cer	ntral > Smar	t Software Licensing					• • • • • • • • • • • • • • •
Smart So	ftware	Licensing				s	E Product Details Support Hel
lerts Inventor	y Conver	t to Smart Licensing Repor	ts Preferences	On-Prem Accounts Act	ivity		
/irtual Accou	int:	SILVER DE LA CONTRACTO				1 Major 1 Int	formational Hide Alerts
General	Licenses	Product Instances	Event Log				
Virtual Acco Description: Default Virtua	ount Il Account:	No					
Product Ins The registration New Token. Token	tokens below	gistration Tokens can be used to register new pr Expiration Date	oduct instances to this Uses	s virtual account.	Description	Created By	Actions
YTc0NzM4ZTC	tODg42	2024-Jan-12 08:20:30 (in 276	days)	Allowed			Actions -
YzhkZmJmM2	YtMzI3 💋	2023-Dec-09 05:02:06 (in 242	da	Allowed			Actions -
YzhkZmJmM2	YtMzI3 🛛	2023-Dec-09 05:02:06 (in 242	da aximum uses is reach	Allowed			Actions -

c) Copy the generated token.

Step 2 In Secure Workload, navigate to Manage > Service Settings > Licenses, and then click Register.

Step 3 Under the **Smart Licenses** tab, enter the generated token from the CSSM portal.

Figure 2: Secure Workload Smart License Registration Page

License Registration	×
Smart License	License Reservation
1. Login to Cisco Smart Software Manager portal	
2. Create new token Click on New Token button in CSSM and follow the steps to c	reate a new token.
3. Register token Once the token is created, copy the token content and paste	t below.
Smart Transport Registration URL ① Enter URL here	
Force Register 1	
	Close Register

Step 4 (Optional) Enable **Force Register** to continue with the registration even if the cluster UUID is already registered with CSSM.

Step 5 Click Register.

The registration of Secure Workload with the CSSM portal is initiated. To view the updated status of the registration, refresh the **License Usage Information** page.

Secure Workload Smart License De-Registration

Procedure

Step 1 On the License Usage Information page, click Deregister.

Step 2 To confirm, click Yes.

After you refresh the **License Usage Information** page, the **Licensing Status** field displays the licensing status as **Not Registered** and the cluster enters the evaluation period.

License Reservation

The License Reservation feature is used to deploy Smart Licensing in an air-gapped network. Before you begin, ensure that the required licenses for Secure Workload are available in your smart account. To know the count of available licenses in your account, go to CSSM Smart software licensing portal and click **Inventory** > **Licenses**.

Procedure

Step 1	On the Secure Workload UI, navigate to Manage > Service Settings > Licenses . The License Usage Information page is displayed.									
Step 2 Step 3 Step 4	Click Register .									
	Select the License Reservation tab, and click Yes to confirm. A request code is generated by Secure Workload. Copy the generated request code.									
										Step 5
	 a) Navigate to Inventory > Licenses. b) Click License Reservation, and then click Proceed to continue. 									
	Figure 3: Licenses Page-CSSM Portal									
	Cisco Software Central > Smart Software Licensing									
	SMart Software Licensing SL Product Details Support Help									
	Alerts Inventory Convert to Smart Licensing Reports Preferences On-Prem Accounts Activity									
	Virtual Account: Lienses Product Instances Event Log									
	By Name By Tag Available Actions • Manage License Tags									
	License Billing Available to Use In Use Substitution Balance Alerts Actions									
	Secure Workload PLR Prepaid 10 0 - +10 Actions -									
	Tetration Endpoint Visibility Prepaid 10 ⁰ - +10 Actions -									

c) Enter the request code generated by Secure Workload, and then click Next.

Cisco Software Cen	al cisco	
Cheduled D Smart License	leservation ×	0
STEP	STEP 2 STEP 3 STEP 4	l
Enter Request	ade Select Licenses Review and Confirm Authorization Code	ł
You can reser You will begin To learn towt Once you hav 1) Enter th 2) Select t 3) Genera 4) Enter th • Reservation	licenses for product instances that cannot connect to the Internet for security reasons. generating a Reservation Request Code from the product instance. enerate this code, see the configuration guide for the product being licensed. separated the code: Reservation Request Code below licenses to be reserved a Reservation Authorization Code Reservation Authorization Code on the product instance to activate the features quest Code:	
Upload File	Browse Upload Cancel Next	

Figure 4: License Reservation-CSSM Portal

- d) Under Licenses to Reserve, choose either of the following and click Next.
 - Secure Workload PLR: No limitations on the number of workloads and endpoints that can be configured on the cluster.
 - Reserve a specific license: Based on the purchased workload and endpoint licenses, update the reserve count for Tetration Workload Protection and Tetration Endpoint Visibility license types.
- e) Review the license type selected and the quantity of licenses to reserve, and then click **Generate Authorization Code**.
- f) Click Copy to Clipboard.
- g) Click **Close** to exit the wizard.
- **Step 6** In Secure Workload, enter the authorization code and click **Install**.

Figure 5: Secure Workload License Reservation Page

License Registration	×
1. Copy below request code	
 License reservation process Log into your Cisco Smart Software Manager account, and navigate to the Licenses tab to initiate the License Reservation process. Use the request code from above to generate an authorization code. Note: In case you do not see the License Reservation capability, please contact your Cisco representative to enable it. 	
3. Install license reservation Once the authorization code is generated, copy the code and paste it below.	
Continue Later	Install

On the CSSM portal, the reserved licenses can be viewed under the Licenses tab.

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Note

- During the license reservation process, you can also select **Continue Later**. To resume the reservation process, on the **License Usage Information** page, click **Continue Reservation**.
 - If you decide to cancel the license reservation, click **Cancel Reservation** on the **License Usage Information** page and perform either of the following actions:
 - When you generate an authorization code, a license is typically reserved for use on CSSM. To return
 the license, enter the authorization code that is generated from CSSM. A return code is then generated
 by Secure Workload which needs to be entered in CSSM.
 - If you do not have a license in CSSM, choose the I do not have a license in CSSM tab.

Update Specific License Reservation

Procedure

Step 1

On the CSSM portal, perform these steps:

a) For the reserved specific license, from the Actions drop-down menu, choose Update Reserved Licenses.

- b) Choose **Reserve a specific license** and update the reserve count for the required Tetration Workload Protection and Tetration Endpoint Visibility license types.
- c) Click Next.
- d) Review the selected reservations and click Generate Authorization Code.
- e) Click Copy to Clipboard.

Step 2 In Secure Workload, perform these steps to update the reservation of specific licenses:

- a) On the License Usage Information page, click Update Reservation.
- b) Enter the authorization code from CSSM.
- c) Click Generate Confirmation Code.
- d) Copy the generated confirmation code and click Next.
- e) The generated confirmation code cannot be recovered later in Secure Workload, ensure that you copy the return code. Click the **Copy** icon.
- **Step 3** On the CSSM portal, perform these steps to complete the reservation process:
 - a) Under Product Instances, choose the license to be reserved and click Actions.
 - b) Choose Enter Confirmation Code.
 - c) Enter the confirmation code and click OK.
- **Step 4** In Secure Workload, click **Finish** to exit the wizard.

Refresh the License Usage Information page to view the updated license reservation details.

Return Specific Licenses Reservation

Procedure

Step 1	In Secure Workload, on the License Usage Information page, click Deregister.
Step 2	To generate a return code, click Generate return code.
Step 3	Click the Copy icon to copy the return code and click Next . Ensure to copy the generated return code as you cannot recover the code later.
Step 4	 To complete the de-registration process, navigate to the CSSM portal and perform these steps: a) Under Product Instances, choose the license to deregister and click Actions. b) Choose Remove. c) Enter the return code and click Remove Reservation.
Step 5	In Secure Workload, click Finish to exit the wizard.

The reserved licenses are returned to the smart account. Secure Workload enters the evaluation period and the reserved licenses are classified to non-registered compliance state.

Secure Workload Smart License Registration—CSSM On-Premises

The Smart Software Manager On-Premises allow you to schedule synchronization of licenses or provides an option to manually synchronize Smart License authorizations with the Smart Software Manager portal. You can use CSSM on-premises to register Secure Workload in air-gapped networks or if you prefer to manage smart licenses through a single connection from your network.

Procedure

- **Step 1** Setup Smart Software Manager on-premises. For more information, see Cisco Software Central.
- Step 2Log in to the Smart Software Manager On-prem and select the virtual account. Under the General tab, click
New Token. Follow the onscreen instructions to create a token.

Figure 6: On-Premises License Workspace

n-Prem License Workspace			alialia cisco			Admin Workspace 🛔 Hello, Li	ocal Admin Lo
rt Software Manager On-Prem > Smart Licensing							:
Smart Licensing							
Alerts Inventory Convert to	Smart Licensing Reports Preferences	Activity					
Local Virtual Account: Default General Licenses	Product Instances SL Using Policy	Event Log					
Local Virtual Account							
Description	This is the default virtual acco	unt created during company account	nt creation.				
Default Local Virtual Account:	Yes						
Product Instance Registration Tokans Temporal Instance Registration Tokans Temporal Instance Registration Temporal Instances to the Local Vihar Account: For products that export from Temporal you nucl configure the Teams on train or the product to use the Temporal Registration UEL Temporal Instances to the Local Vihar Locance, Local Vihar Locance, Local Vihar Security Temporal Instances and the Temporal Temporal Registration UEL Temporal Instances to the Local Vihar Locance, Local Vihar Security Temporal Instances and the Temporal Temporal Registration UEL Temporal Instances and the Temporal Instances and the Temporal Instances and the Temporal Instances and temporal Instances and the Temporal Instances and temporal Instances and temporal Instances and the Temporal Instances and temporates and temporal Instances and temporates and temporal Insta						g Using Policy that use celu as hart Tiansport. Please consult your	
					10 • Showing Pa	ige 1 of 1(1 Records) - (4 - 64 - 36 - 36)	
Token	Expiration Date	Uses	Description	Export-Controlled	Created By	Actions	
	2050-Jun-30 05:15:27 (in 9931 days)		H •	Allowed	admin	Actions	
The token will be expired when either the expiration or me	ximum number of uses is reached.				10 • Showing Pa	.ge 1 of 1(1 Records) i 4(1) 10 i	

- **Step 3** In Secure Workload, navigate to **Manage** > **Service Settings** > **Licenses**, and then click **Register**.
- **Step 4** Under the **Smart Licenses** tab, enter the generated token from the Smart Software Manager On-prem.
- **Step 5** Under the **Smart Licenses** tab, in the **Smart Transport Registration URL** field, enter the Smart Transport Registration URL of your Smart Software Manager On-Prem.
- **Step 6** (Optional) Enable **Force Register** to continue with the registration even if the cluster UUID is already registered with CSSM.
- Step 7 Click Register.

The registration of Secure Workload with the CSSM on-premises is initiated. To view the updated status of the registration, refresh the **License Usage Information** page. Synchronize Smart Software Manager On-Prem to the Smart Software Manager portal after assigning the licenses.

Synchronize Smart Licenses

The license and compliance information is synchronized with the Smart Software Manager portal every 24 hours. However, if the cluster is out of compliance and licenses are renewed on CSSM, you can manually update the licenses by connecting to the CSSM portal directly or through the Smart Software Manager On-prem through these steps:

Procedure

Step 1On the License Usage Information page, click Renew Operations > Renew Authorization.Step 2To confirm, click Yes.

After you refresh the **License Usage Information** page, you can view the updated licenses along with the date and time of the last successful synchronization with CSSM.