

Cisco Secure Network Analytics

Smart Software Licensing Guide 7.4.2



Table of Contents

Introduction	4
Required Licenses	4
Auto-Provisioned Licenses	4
Provisioning Requests	5
Evaluation Mode	5
Cisco Smart Account	5
Assistance	6
Secure Network Analytics v7.4.2	6
Transport Gateway (On-Prem)	7
Open Smart Software Licensing in Secure Network Analytics	8
Evaluation Mode (90 Days)	9
Review Evaluation Mode Status	9
Register your Product Instance	11
1. Log in to your Cisco Smart Software Manager	11
2. Configure Transport Settings	11
Configuring the Internet Proxy	12
Open Internet Proxy	12
Add the DNS Server	13
Enable Internet Proxy	13
3. Create the Registration Token	13
4. Register in Secure Network Analytics	15
Change Product Instance Registration	17
Deregister	17
Reregister	17
Review Status and Usage	19
Review Status	20
Registration Status	20
License Authorization Status	21

Review Smart License Usage	22
More Information About Flow Rate	22
Troubleshooting	24
Resolve Out of Compliance	24
1. Review your Licenses	24
2. Update Secure Network Analytics	25
Renew Authorization Now	25
Renew Registration Now	25
Review License Expiration Status	26
Contacting Support	27
Change History	28

Introduction

Cisco Smart Licensing is a flexible licensing model that provides you with an easier, faster, and more consistent way to purchase and manage software across the Cisco portfolio and across your organization. And it's secure – you control what users can access. With Smart Licensing you get:

- **Easy Activation:** Smart Licensing establishes a pool of software licenses that can be used across the entire organization—no more PAKS (Product Activation Keys).
- **Unified Management:** My Cisco Entitlements (MCE) provides a complete view into all of your Cisco products and services in an easy-to-use portal, so you always know what you have and what you are using.
- **License Flexibility:** Your software is not node-locked to your hardware, so you can easily use and transfer licenses as needed.

To use Smart Licensing, you must first set up a Smart Account on Cisco Software Central (software.cisco.com).

For a more detailed overview on Cisco Licensing, got to cisco.com/go/licensingguide.

Required Licenses

The following Cisco Secure Network Analytics (formerly Stealthwatch) appliances and features are licensed with Cisco Smart Software Licensing:

- Cisco Secure Network Analytics Flow Sensors Virtual Edition
- Cisco Secure Network Analytics UDP Directors (hardware)
- Cisco Secure Network Analytics UDP Directors Virtual Edition
- Flow Rate (FPS)
- Cisco Secure Network Analytics Endpoint license
- Cisco Secure Network Analytics Threat Feed (formerly Threat Intelligence Feed or SLIC)
- Security Analytics and Logging (On Premises) Logging and Troubleshooting

Auto-Provisioned Licenses

When you <u>register your product instance</u>, the following licenses are added to your account automatically:

 Cisco Secure Network Analytics Manager (formerly Stealthwatch Management Console or SMC) Virtual Edition Cisco Secure Network Analytics Flow Collectors Virtual Edition

Provisioning Requests

You may need to submit a License Provisioning Request to transfer the following license types to your account:

License	Details
Threat Feed (formerly Threat Intelligence Feed or SLIC)	If you purchased this license, and it is not shown on your account, submit a License Provisioning Request.
UDP Director (UDPVE, UDP2200, UDP2210)	If you purchased this license before March 17, 2020, submit a License Provisioning Request to transfer it to your account.

To submit a license provisioning request, contact Cisco Support.

Evaluation Mode

When you use Secure Network Analytics in Evaluation mode, you can use selected features for 90 days. To use Secure Network Analytics with maximum default functionality, and to add licenses and features to your account, register your product instance for Smart Software Licensing. Refer to **Evaluation Mode (90 Days)** for details.



Make sure you <u>register your product instance</u> before the 90-day evaluation period expires. When the evaluation period expires, flow collection will stop and the UDP Director will stop forwarding flow. To start flow collection again, register your product instance.

Cisco Smart Account

To use Cisco Smart Licensing with Secure Network Analytics, make sure you have a Cisco Smart Account. With a Cisco Smart Account, you can view your software, services, and devices in one portal (also known as Cisco Smart Software Manager).

For licensing Secure Network Analytics, you will use your Smart Account to register your product instance, manage licenses, run reports, and configure notifications. For more information, refer to Smart Licensing on cisco.com.

- Log In: Log in to your Cisco Smart Account, or create a new account, at https://software.cisco.com. Refer to 1. Log in to your Cisco Smart Software Manager for more information.
- Tutorials: For video tutorials, refer to Smart Licensing Resources.
- Instructions: For detailed instructions about using your Cisco Smart Account, log in to your Cisco Smart Account. Click Help or use the online assistant.

In v7.4.0 we rebranded our Cisco Stealthwatch Enterprise products to Cisco Secure Network Analytics. For a complete list, refer to the <u>Release Notes</u>. In this guide, you will see our former product name, Stealthwatch, used whenever necessary to maintain clarity, as well as terminology such as Stealthwatch Management Console and SMC.

Please note that Secure Network Analytics may be shown as Stealthwatch in your Cisco Smart Account.

Assistance

For assistance with your Cisco Smart Account and Smart Licensing, please contact us through either of the following resources:

- Go to Support Case Manager at https://mycase.cloudapps.cisco.com/case and choose Software Licensing > Security Related Licensing as a case type.
- Call your TAC world-wide support number at https://www.cisco.com/c/en/us/support/web/tsd-cisco-worldwide-contacts.html and open a licensing request.

Secure Network Analytics v7.4.2

To use Cisco Smart Licensing with Secure Network Analytics, make sure v7.4.2 is installed on all of your Secure Network Analytics appliances. Refer to the <u>Secure Network Analytics System Configuration Guide v7.4.2</u> for details.

- Admin User: To review Smart Licensing status and usage details in your Manager, log in as the admin user. Refer to Open Smart Software Licensing in Secure Network Analytics for details.
- Internet Access: Secure Network Analytics connects to your Cisco Smart Account and reports status and license usage. You can configure how Secure Network Analytics communicates with your account using the Transport Settings. Internet access is required for the instructions in this guide.

Transport Gateway (On-Prem)

If your Manager does not have direct access to your Cisco Smart Account and will communicate through Transport Gate (also known as Satellite) or Smart Software Manager On-Prem, you will select Transport Gateway for your <u>Transport Settings</u>.

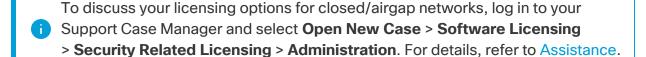
Review the following On-Prem guides to complete the installation and configuration.

· Resources:

https://www.cisco.com/c/en/us/buy/smart-accounts/software-manager.html#~resources

Smart Software On-Prem:

https://www.cisco.com/c/en/us/support/cloud-systems-management/smart-software-manager-satellite/tsd-products-support-series-home.html

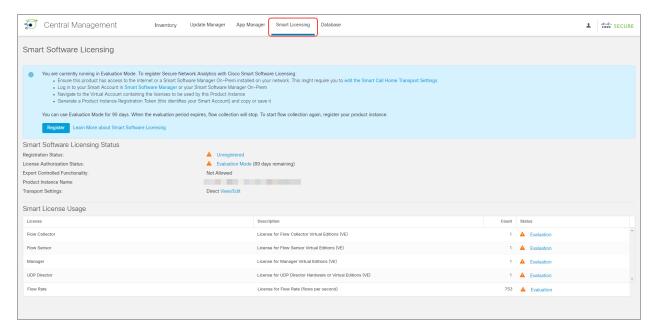


Open Smart Software Licensing in Secure Network Analytics

1. Log in to your Manager as the admin user.

In your browser address field, type https://<IPaddress>

- 2. From the main menu, select Configure > GLOBAL Central Management.
- 3. Select the **Smart Licensing** tab.



Evaluation Mode (90 Days)

You can use Secure Network Analytics with selected features for 90 days in Evaluation Mode. Evaluation Mode is based on active usage of the Manager. For example, if you shut down the Manager, the countdown resumes when the appliance is turned on again.



Make sure you <u>register your product instance</u> before the 90-day evaluation period expires. When the evaluation period expires, flow collection will stop and the UDP Director will stop forwarding flow. To start flow collection again, register your product instance.

Review Evaluation Mode Status

- 1. Open Smart Licensing in Secure Network Analytics.
- 2. In the Smart Software Licensing Status section, review **Registration Status** and **License Authorization Status**.



	Status	Details
		Your product instance is not registered to a Cisco Smart Account. Register your product instance before the evaluation period expires.
Registration Status	Unregistered	When the evaluation period expires, flow collection will stop and the UDP Director will stop forwarding flow. To start flow collection again, register your product instance.

License Authorization Status	Evaluation Mode	Your product instance is using Evaluation Mode and the number of days remaining is shown. To see more detailed information, hover your pointer over the status.
------------------------------	-----------------	---

Register your Product Instance

Use the following instructions to register your product instance before the evaluation period expires.



Make sure you register your product instance before the 90-day evaluation period expires. When the evaluation period expires, flow collection will stop and the UDP Director will stop forwarding flow. To start flow collection again, register your product instance.

1. Log in to your Cisco Smart Software Manager

To use Secure Network Analytics with maximum default functionality, and to access purchased licenses and features on your account, log in to your Cisco Smart Account and register your product instance for Smart Software Licensing.

- 1. Go to Cisco Software Central at https://software.cisco.com.
- 2. Click the User icon.



- 3. Log in with your CCOID credentials.
- 4. In the Smart Software Manager section, select **Manage Licenses**.

2. Configure Transport Settings

Configure how Secure Network Analytics communicates with your Cisco Smart Account (Cisco Smart Software Manager). If you change the configuration here, those changes will apply to Smart Call Home and other features using this service.

- 1. Open Smart Licensing in Secure Network Analytics.
- 2. In the Smart Software Licensing Status section, locate **Transport Settings**.
- 3. Click View/Edit.



If the product instance is already registered, deregister it before you change the transport settings. Refer to **Deregister** for details.

4. Select a transport setting.

Transport Settings	Description
	If your Manager has direct access to your Cisco Smart Account and it is not blocked by a firewall, select Direct.
Direct	Note: External access permission is required to this Cisco URL: https://smartreceiver.cisco.com/licservice/license on port 443.
	If your Manager does not have direct access to your Cisco Smart Account and will communicate through Transport Gate or Smart Software Manager On-Prem, select Transport Gateway.
Transport Gateway	In the URL field, enter the location of the Smart Software Manager On-Prem that contains the licenses for your product instance.
	For Example: https:// <server>:<port>/SmartTransport</port></server>
HTTP/HTTPS Proxy	If you've configured your Manager to use a proxy, select HTTP/HTTPS Proxy. The proxy is shown in the dialog box if you have already configured it. If you have not configured it, refer to Configuring the Internet Proxy for instructions.

5. Select Save.

Configuring the Internet Proxy

To use the HTTP/HTTPS Proxy for your Secure Network Analytics Transport Settings, make sure your DNS server and Internet Proxy are configured.

Open Internet Proxy

Use the following instructions to open Internet Proxy.

- 1. Click the **Inventory** tab in Central Management.
- 2. Click the ··· (Ellipsis) icon for the Manager.

- 3. Select Edit Appliance Configuration.
- 4. Select the **Network Services** tab.

Add the DNS Server

- 1. In the DNS Server section, click **Add New**.
- 2. Enter the IP address.
- 3. Click Add.
- 4. Click Apply Settings.

Enable Internet Proxy

- 1. Under Internet Proxy > Proxy Setup, check the **Enable** check box.
- 2. In the **IP Address** field, enter the proxy server IP address.
- 3. In the **Port** field, enter the port number the Secure Network Analytics appliance uses to communicate with the proxy server.

Port Number Default: 8080.

- 4. If the proxy server requires login credentials, enter the following information:
 - **User Name:** Enter the user name required to log into the proxy server.
 - Password: Enter the password required to log into the proxy server.
 - Authentication Type: Select basic.

NTLM authentication is not supported for Smart Licensing or when FIPS encryption libraries are enabled.

• **Domain:** If you selected ntlm for the Authentication Type, enter the proxy server domain.

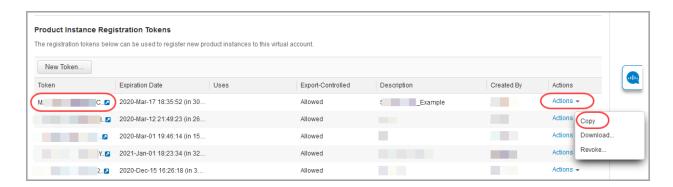
If the proxy server does not require login credentials, skip this step.

- 5. Click **Apply Settings**.
- 6. Follow the on-screen prompts. The appliance reboots automatically.

3. Create the Registration Token

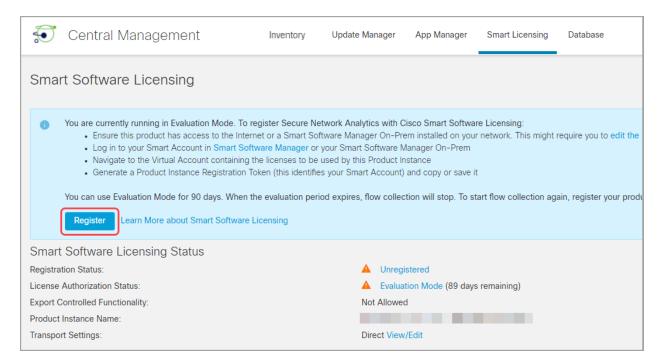
- 1. Log in to your Cisco Smart Account at https://software.cisco.com.
- 2. In the Smart Software Manager section, select Manage Licenses.
- 3. Select **Inventory**.
- 4. In the Product Instance Registration Tokens section, click **New Token**.

- 5. Complete the fields in the Create Registration Token dialog box to identify the token on your account and specify how it can be used.
- 6. Click Create Token.
- 7. Locate your token in the Product Instance Registration Tokens list.
- 8. **Copy the Token:** Click the token name and copy it, or select one of the following:
 - Copy: To copy the token, select Actions > Copy
 - **Download:** To download the token as a text file, select **Actions** > **Download**.

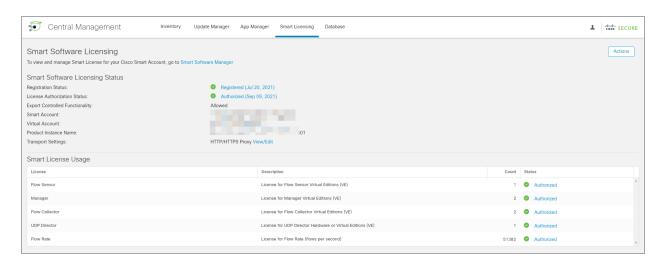


4. Register in Secure Network Analytics

- 1. Open Smart Licensing in Secure Network Analytics.
- 2. Click Register.



- 3. Paste the token as plain text or type it into the Product Instance Registration Token window.
- 4. Click Register.
- If the communication times out during registration, review your <u>transport</u> <u>settings</u>.
- 5. Review the Smart Software Licensing Status section and confirm:
 - Registration Status: Registered
 - License Authorization Status: Authorized
 - Out of Compliance: If the status is shown as Out of Compliance, you may need to add licenses to your account. Refer to Troubleshooting for more information.



- 6. Review the Smart License Usage section. Confirm all licenses are shown as Authorized.
 - Status Details: Refer to Review Status and Usage for more information.
 - **Threat Feed:** If the Threat Feed license you have purchased is not shown, contact Cisco Support to submit a License Provisioning Request.
 - Out of Compliance: If any licenses are shown as Out of Compliance, you may need to add licenses to your account. Refer to Troubleshooting for more information.

Change Product Instance Registration

Use the following instructions to change or update your product instance registration with your Cisco Smart Account.

Deregister

Use the following instructions to remove your product instance from your Cisco Smart Account. If you deregister your product instance, note the following:

- **Virtual Account Inventory:** The licenses it was using are returned to the virtual account, and other product instances in your account can use those licenses.
- **Evaluation Mode:** Your product instance will return to <u>Evaluation Mode</u> if there are days remaining in your evaluation period.

Use deregister before you change your transport settings or for troubleshooting.

- 1. Open Smart Licensing in Secure Network Analytics.
- 2. Click Actions.
- 3. Select Deregister.

Reregister

If your product instance was disconnected or Secure Network Analytics could not connect with the Cisco Smart Account after repeated attempts, the License Authorization Status shows **Registration Expired**. Use the following instructions to resolve any communication issues and reregister the product instance.

- 1. Open Smart Licensing in Secure Network Analytics.
- 2. Check your <u>Transport Settings</u> and review your <u>Cisco Smart Account</u> to confirm communications.



If you need to change your transport settings, <u>deregister</u> your product instance first.

- 3. Click Actions > Reregister.
- 4. Log in to your Cisco Smart Account at https://software.cisco.com.
- 5. In the License section, select **Smart Software Licensing**.
- 6. Select **Inventory**.
- 7. In the Product Instance Registration Tokens section, click **New Token**, or locate your token in the Product Instance Registration Tokens list.

8. Copy the token and paste it into the Product Instance Registration Token window in Secure Network Analytics.

Refer to **Register your Product Instance** for details.

- 9. Click Reregister.
- 10. Review your Smart Software Licensing Status to confirm:
 - Registration Status: Registered
 - License Authorization Status: Authorized

Review Status and Usage

When you register your product instance in your Cisco Smart Account, the Secure Network Analytics Smart Licensing page shows your Cisco Smart Account and product instance details, including the following:

Information	Details
Registration Status	Refer to Registration Status for details.
License Authorization Status	Refer to License Authorization Status for details.
Export Control Functionality	Refer to the online help in your Cisco Smart Account .
Smart Account	Refer to the online help in your Cisco Smart Account .
Virtual Account	Refer to the online help in your Cisco Smart Account .
Product Instance Name	The Product Instance Name is the identifier we use for your Secure Network Analytics product instance, which includes your Manager and managed appliances. Use your product instance name to identify your product instance on your Cisco Smart Account.
Transport Settings	Refer to 2. Configure Transport Settings for details.

Review Status

Secure Network Analytics connects to your Cisco Smart Account and reports the licensing status and usage.

- 1. Open Smart Licensing in Secure Network Analytics.
- 2. Review the Smart Software Licensing Status section.

Registration Status

Status	Details
Registered	Your product instance is registered and reporting license usage to your Cisco Smart Account. To see renewal and expiration details, hover your pointer over the status.
	After repeated attempts, Secure Network Analytics could not connect to the Cisco Smart Account to retrieve status.
Registration Expired	Refer to Renew Registration Now and Reregister for details.
	Registration Expired indicates the communication status. It is does not indicate license status. To review license status (purchased, expired, and usage), review your <u>Cisco Smart Account</u> .
Unregistered	Your product instance is not registered to a Cisco Smart Account. Register your product instance before the evaluation period expires. Refer to Evaluation Mode (90 Days) and Register
	your Product Instance for details.

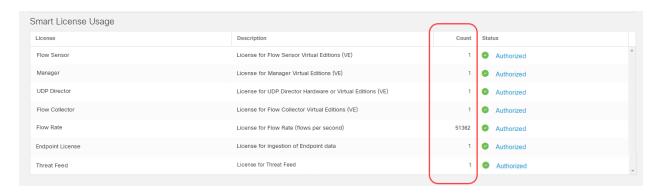
License Authorization Status

Status	Details
	If Secure Network Analytics loses communication with your Cisco Smart Account, your authorization may expire.
Authorization Expired	Refer to Renew Authorization Now for details.
Addionization Expired	Authorization Expired indicates the communication status. It is does not indicate license status. To review license status (purchased, expired, and usage), review your <u>Cisco Smart Account</u> .
	Your product instance is registered and your licenses are authorized.
Authorized	To see authorization attempts and details, hover your pointer over the status.
Evaluation Expired	Your evaluation period has expired and flow collection has stopped. To see more detailed information, hover your pointer over the status. Refer to Evaluation Mode (90 Days) and Register your Product Instance for details.
Evaluation Mode	Your product instance is using Evaluation Mode and the number of days remaining is shown. To see more detailed information, hover your pointer over the status.
	Refer to Evaluation Mode (90 Days) and Register your Product Instance for details.
Out of Compliance	If there is a license shortage for a specific license type, it is out of compliance. Refer to Resolve Out of Compliance for details.

Review Smart License Usage

Secure Network Analytics reports license usage to your Cisco Smart Account.

- Updates: If an appliance is added or removed from Central Management inventory, the license usage is updated.
- Hardware: The following hardware appliances do not require a smart license and will not be shown on this list: Manager, Flow Collectors, and Flow Sensors.
- Flow Rate: The number of NetFlow packets detected per second (FPS). Secure Network Analytics reports the 95th percentile of the daily Flow Rate usage to your Smart Account, Refer to More Information About Flow Rate for details.
- Out of Compliance: If there is a license shortage for a specific license type, you may need to add licenses to your account. Refer to Resolve Out of Compliance for details.





This Smart License Usage section shows licensing details. It does not show all appliances in your inventory. To review the appliances in your Central Management inventory, select the Inventory tab in Central Management.

More Information About Flow Rate

The Count number for Flow Rate is calculated based on the previous 24-hour period. When you're setting up Smart Licensing following Evaluation Mode for Cisco Secure Network Analytics, you won't see a number for Flow Rate in the Count column until after the first 24-hour period.

Since licensing information is automatically reported to your Cisco Smart Account, just as when appliances are added or removed, an **Out of Compliance** Status can be generated incidentally. And because Flow Rate is calculated and reported daily, the Status can change to **Authorized** or **Out Of Compliance** on a daily basis.



To determine if further action is required, refer to **Resolve Out of Compliance**.

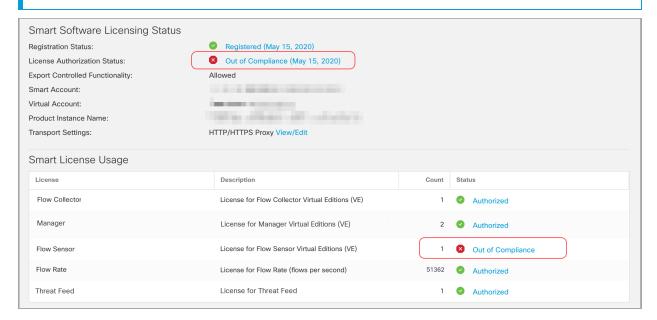
Troubleshooting

Use the following instructions to resolve any license-related errors shown in Secure Network Analytics Smart Licensing.

Resolve Out of Compliance

If the License Authorization Status or Smart License Usage shows **Out of Compliance**, an appliance or feature has a license shortage and is using more licenses than are allocated in your <u>Cisco Smart Account</u>.

Since licensing information is automatically reported to your Cisco Smart
Account, just as when appliances are added or removed, an **Out of Compliance**
Status can be generated incidentally. And because Flow Rate is calculated and reported daily, the Status can change to **Authorized** or **Out Of Compliance** on a daily basis.



1. Review your Licenses

Review the following:

- Open <u>Smart Licensing</u> in Secure Network Analytics. Review the <u>Smart License</u> <u>Usage</u> section to determine which licenses are out of compliance.
- Confirm you have sufficient licenses assigned to your virtual account. Refer to your Cisco Smart Account for details.

 If you need to purchase additional licenses, please contact your account manager or the Secure Network Analytics Sales team at stealthwatch-sales@cisco.com.

For Smart Licensing help, refer to Assistance.

2. Update Secure Network Analytics

After you add or move licenses to your virtual account, use the following instructions to update the status in Secure Network Analytics.

- Open Smart Licensing in Secure Network Analytics.
- 2. Click Actions > Renew Authorization Now.

Renew Authorization Now

Secure Network Analytics reports license usage to your Cisco Smart Account. Use Renew Authorization Now to connect to your account and update your license usage data immediately. Use these instructions if you've changed the licenses on your Cisco Smart Account, but they are not shown on your Secure Network Analytics Smart Licensing page.

- 1. Open Smart Licensing in Secure Network Analytics.
- 2. Click Actions > Renew Authorization Now.

Renew Registration Now

If your product instance was disconnected or Secure Network Analytics could not connect with the Cisco Smart Account after repeated attempts, the License Authorization Status shows Registration Expired. Use Renew Registration Now to connect to your account and update your registration status.

- 1. Select the Actions menu.
- 2. Select Renew Registration Now.

Registration Expired: If the License Authorization Status continues to show Registration Expired, you may need to reregister the product instance. Refer to Reregister for details.



Refer to Change Product Instance Registration for more information.

Review License Expiration Status

Your purchased licenses, allocations, expiration status, and usage are shown in your Cisco Smart Account. For more information, refer to Cisco Smart Account.

Contacting Support

If you need technical support, please do one of the following:

- Contact your local Cisco Partner
- Contact Cisco Support
- To open a case by web: http://www.cisco.com/c/en/us/support/index.html
- To open a case by email: tac@cisco.com
- For phone support: 1-800-553-2447 (U.S.)
- For worldwide support numbers: https://www.cisco.com/c/en/us/support/web/tsd-cisco-worldwide-contacts.html

Change History

Document Version	Published Date	Description
1_0	March 3, 2023	Initial Version.

Copyright Information

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: https://www.cisco.com/go/trademarks. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1721R)

