

# **CISCO Security Cloud App User Guide**

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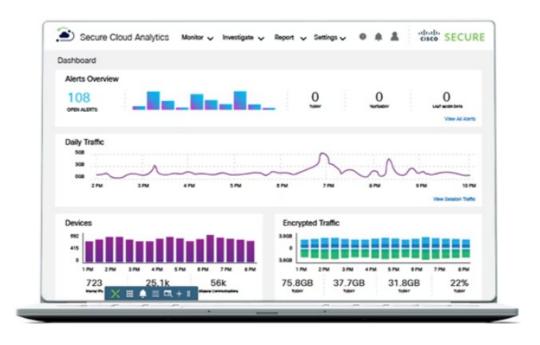
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**CISCO Security Cloud App** 



#### **Specifications**

• Product Name: Cisco Security Cloud App

• Manufacturer: Cisco

• Integration: Works with various Cisco products

# **Product Usage Instructions**

## **Set Up an Application**

Application Setup is the initial user interface for the Security Cloud App. Follow these steps to configure an application:

- 1. Navigate to the Application Setup > Cisco Products page.
- 2. Choose the desired Cisco application and click on Configure Application.
- 3. Complete the configuration form which includes Brief app description, Documentation links, and Configuration details.
- 4. Click Save. Ensure all fields are filled correctly to enable the Save button.

# **Configure Cisco Products**

To configure Cisco Products within the Security Cloud App, follow these steps:

- 1. On the Cisco Products page, select the specific Cisco product you want to configure.
- 2. Click on Configure Application for that product.
- 3. Fill in the required fields including Input Name, Interval, Index, and Source Type.
- 4. Save the configuration. Correct any errors if the Save button is disabled.

# **Cisco Duo Configuration**

For configuring Cisco Duo within the Security Cloud App, follow these steps:

- 1. In the Duo Configuration page, enter the Input Name.
- 2. Provide the Admin API credentials in the Integration key, Secret key, and API hostname fields.

3. If you do not have these credentials, register a new account to obtain them.

# Frequently Asked Questions (FAQ)

- Q: What are the common fields required for configuring applications?
  - A: The common fields include Input Name, Interval, Index, and Source Type.
- Q: How can I handle authorization with Duo API?

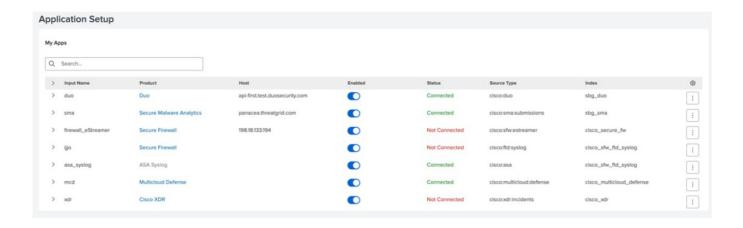
**A:** Authorization with Duo API is handled using the Duo SDK for Python. You need to provide the API Hostname obtained from the Duo Admin Panel along with other optional fields as required.

This chapter guides you through the process of adding and configuring inputs for various applications (Cisco products) within the Security Cloud App. Inputs are crucial because they define the data sources that the Security Cloud App uses for monitoring purposes. Proper configuration of inputs ensures that your security coverage is comprehensive and that all data is properly displayed for future tracking and monitoring.

# Set Up an Application

Application Setup is the first user interface for the Security Cloud App. The Application Setup page consists of two sections:

Figure 1: My Apps



- The My Apps section on the Application Setup page displays all user input configurations.
- Click a product hyperlink to go to the product dashboard.



- To edit inputs, click Edit Configuration under the action menu.
- To delete inputs, click Delete under the action menu.

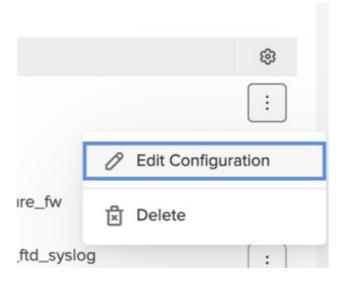
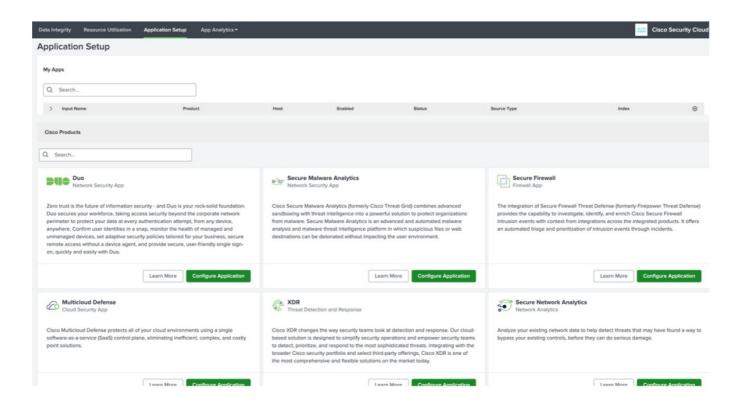


Figure 2: Cisco Products



- The Cisco Products page displays all available Cisco products that are integrated with Security Cloud App.
- You can configure inputs for each Cisco product in this section.

# **Configure an Application**

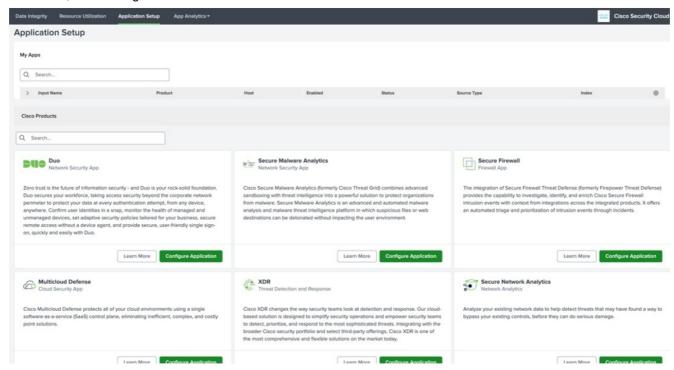
- Some configuration fields are common across all Cisco products and they are described in this section.
- Configuration fields that are specific to a product are described in the later sections.

Table 1: Common fields

Field	Description
Input Name	(Mandatory) A unique name for inputs of the applicatio n.
Interval	(Mandatory) Time interval in seconds between API queries.
Index	(Mandatory) Destination index for application logs. It c an be changed if required.  Auto-complete is provided for this field.
Source Type	(Mandatory) For most apps, it is a default value and is disabled.  You can change its value in <b>Advance Settings</b> .

- Step 1 In the Application Setup > Cisco Products page, navigate to the required Cisco application.
- Step 2 Click Configure Application.

The configuration page consists of three sections: Brief app description, Documentation with links to useful resources, and Configuration form.

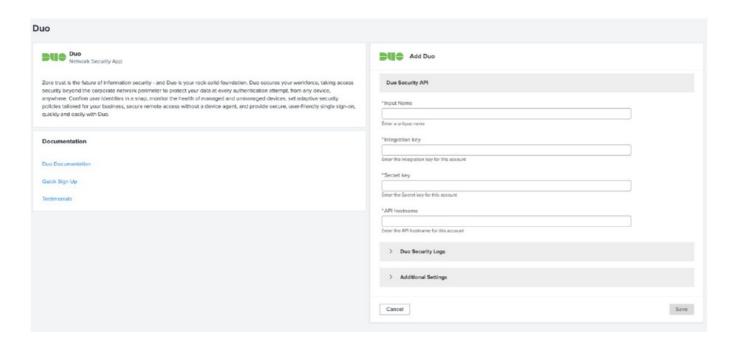


- Step 3 Fill in the configuration form. Note the following:
  - Required fields are marked with an asterisk \*.
  - There are also optional fields.
  - Follow the instructions and tips described in the specific app section of the page.
- Step 4 Click Save.

If there is an error or empty fields, the Save button is disabled. Correct the error and save the form.

#### Cisco Duo

Figure 3: Duo Configuration page



In addition to the mandatory fields described in the Configure an Application, on page 2 section, the following credentials are required for authorization with Duo API:

- ikey (Integration key)
- skey (Secret key)

Authorization is handled by the Duo SDK for Python.

Table 2: Duo configuration fields

Field	Description
API Hostname	(Mandatory ) All API methods use the API hostname. https://api-XXXXXXXX.duosecurity.com.  Obtain this value from the Duo Admin Panel and use it exactly as shown there.
Duo Security Logs	Optional.
Logging Level	(Optional) Logging level for messages written to input I ogs in \$SPLUNK_HOME/var/log/splunk/duo_splunkapp/

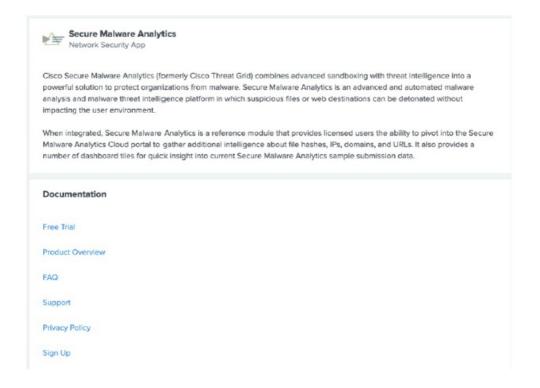
- Step 1 In the Duo configuration page, enter the Input Name.
- **Step 2** Enter the Admin API credentials in the Integration key, Secret key, and the API hostname fields. If you do not have these credentials, <u>register a new account</u>.
  - Navigate to Applications > Protect an Application > Admin API to create a new Admin API.

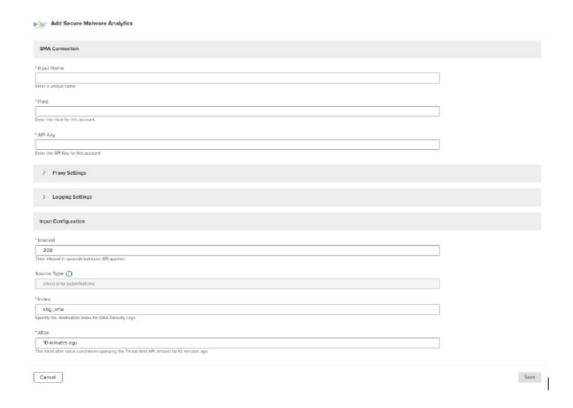
Dashboard > Applicatio	ns > Admin API		
Admin AF	יו		
Setup instructions ar	e in the Admin API documentation [2].		
The Admin API allows	you to programmatically create, retrieve, update, an	d delete users, phones, hardware tokens, admins	, applications, and more.
Details			
Integration key	DIPOINABX90E0G2Y5C32	Сору	
Secret key	•••••ujct	Сору	
	Don't write down your secret key or share it with	anyone.	

- Step 3 Define the following if required:
  - Duo Security Logs
  - Logging Level
- Step 4 Click Save.

# **Cisco Secure Malware Analytics**

Figure 4: Secure Malware Analytics Configuration page





## Note

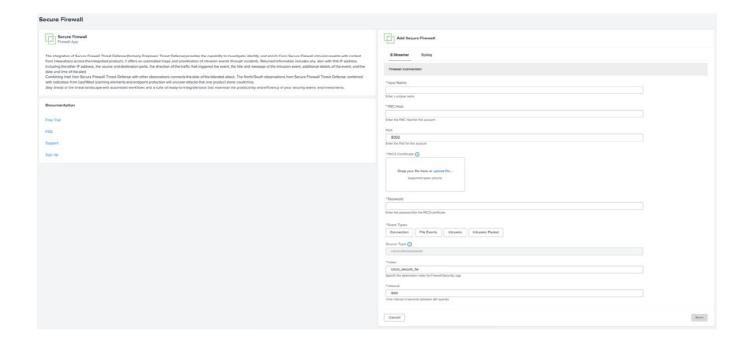
You need an API key (api\_key) for authorization with Secure Malware Analytics (SMA) API Pass the API key as the Bearer type in the Authorization token of the request.

# **Secure Malware Analytics configuration data**

- 1. Host: (Mandatory) Specifies the name of the SMA account.
- 2. Proxy Settings: (Optional) Consists of Proxy Type, Proxy URL, Port, Username, and Password.
- 3. **Logging Settings:** (Optional) Define the settings for logging information.
- Step 1 In the Secure Malware Analytics configuration page, enter a name in the Input Name.
- Step 2 Enter the Host and the API Key fields.
- Step 3 Define the following if required:
  - Proxy Settings
  - Logging Settings
- · Step 4 Click Save.

# **Cisco Secure Firewall Management Center**

Figure 5: Secure Firewall Management Center Configuration page



- You can import data into the Secure Firewall application using any one of the two streamlined processes: eStreamer and Syslog.
- The Secure Firewall configuration page provides two tabs, each corresponding to a different data import method. You can switch between these tabs to configure the respective data inputs.

# Firewall e-Streamer

eStreamer SDK is used for communication with the Secure Firewall Management Center.

Figure 6: Secure Firewall E-Streamer tab

Add Secure Firewall	
E-Streamer Syslog	
Firewall Connection	
*Input Name	
Enter a unique name	
*FMC Host	
Enter the FMC Host for this account	
Enter the PMIC, Post for this account	
*Port	
8302	
Enter the Port for this account	
*PKCS Certificate ①	
Drop your file here or upload file Supported types: pixcs12.	
*Password	
Enter the password for the PKCS certificate	
* Found Types	
*Event Types  Connection File Events Intrusion Intrusion Packet	
Source Type ①	
cisco:sfw:estreamer	
*Index	
cisco_secure_fw	
Specify the destination index for Firewall Security Logs	
*Interval	
600	
Time Interval in seconds between API queries	
Cancel	Save

Table 3: Secure Firewall configuration data

Field	Description
FMC Host	(Mandatory) Specifies the name of the management c enter host.
Port	(Mandatory) Specifies the port for the account.
PKCS Certificate	(Mandatory) The certificate must be created on the Fir ewall Management Console – <u>eStreamer Certificate</u> <u>Creation.</u> The system supports only the pkcs12 file ty pe.
Password	(Mandatory) Password for the PKCS Certificate.
Event Types	(Mandatory) Choose the type of events to ingest (All, Connection, Intrusion, File, Intrusion Packet).

• Step 1 In the E-Streamer tab of the Add Secure Firewall page, in the Input Name field, enter a name.

- Step 2 In the PKCS Certificate space, upload a .pkcs12 file to set up the PKCS certificate.
- · Step 3 In the Password field, enter the password.
- Step 4 Choose an event under Event Types.
- Step 5 Define the following If required:
  - Duo Security Logs
  - Logging Level

#### Note

If you switch between the E-Streamer and Syslog tabs, only the active configuration tab is saved.

Therefore, you can only set one data import method at a time.

Step 6 Click Save.

## Firewall Syslog

In addition to the mandatory fields that are described in the Configure an Application, section, the following are the configurations that are required on the management center side.

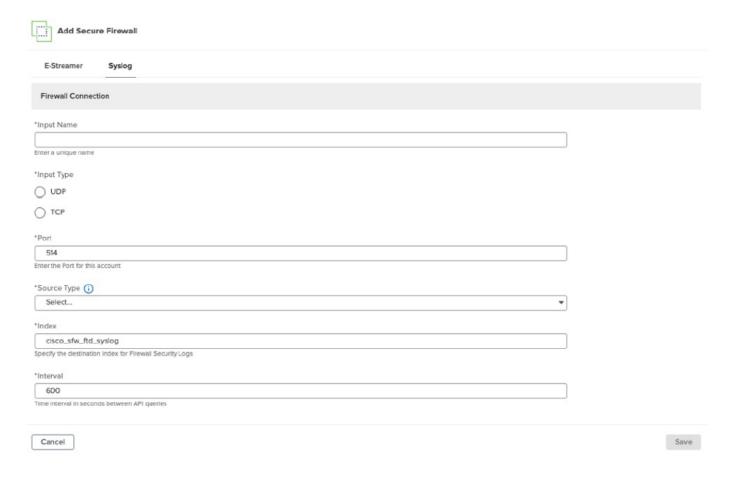


Table 4: Secure Firewall Syslog configuration data

Field	Description
TCP/ UDP	(Mandatory) Specifies the type of input data.
Port	(Mandatory) Specifies a unique port for the account.

 Step 1 In the Syslog tab of the Add Secure Firewall page, set up the connection on the management center side, in the Input Name field, enter a name.

- Step 2 Choose TCP or UDP for the Input Type.
- Step 3 In the Port field, enter the port number
- Step 4 Select a type from the Source Type drop-down list.
- Step 5 Choose event types for the selected source type.

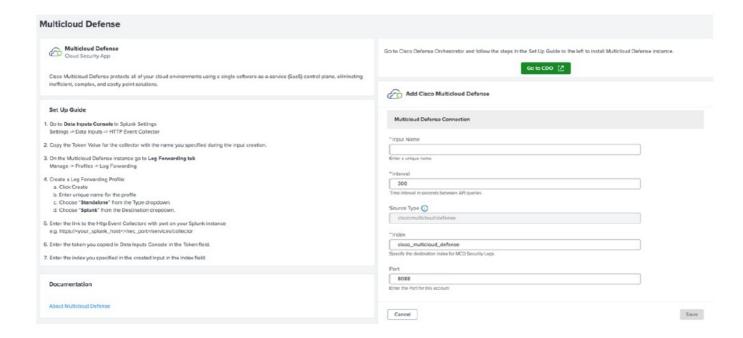
#### Note

If you switch between the E-Streamer and Syslog tabs, only the active configuration tab is saved. Therefore, you can only set one data import method at a time.

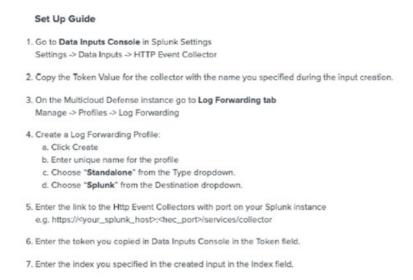
· Step 6 Click Save.

# **Cisco Multicloud Defense**

Figure 7: Secure Malware Analytics Configuration page



- Multicloud Defense (MCD) leverages the HTTP Event Collector functionality of Splunk instead of communicating through an API.
- Create an instance in Cisco Defense Orchestrator (CDO), by following the steps that are defined in the Set Up Guide section of the Multicloud Defense configuration page.

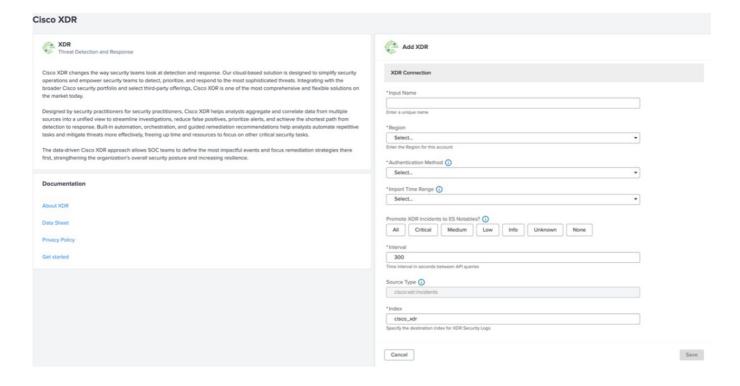


Only the mandatory fields defined in the Configure an Application, section are required for authorization with Multicloud Defense.

- Step 1 Install a Multicloud Defense instance in CDO by following the Set Up Guide on the configuration page.
- Step 2 Enter a name in the Input Name field.
- · Step 3 Click Save.

# Cisco XDR

Figure 8: XDR Configuration page



The following credentials are required for authorization with Private Intel API:

- client\_id
- · client\_secret

Every input run results in a call to the GET /iroh/oauth2/token endpoint to obtain a token that is valid for 600 seconds.

Table 5: Cisco XDR configuration data

Field	Description
Region	(Mandatory) Select a region before selecting an Authe ntication Method.
Authentication Method	(Mandatory) Two authentication methods are available: Using Client ID and OAuth.
Import Time Range	(Mandatory) Three import options are available: Import All Incident data, Import from the created date-time, an d Import from the defined date-time.
Promote XDR Incidents to ES Notables?	(Optional) Splunk Enterprise Security (ES) promotes N otables.  If you have not enabled Enterprise Security, you can st ill choose to promote to notables, but events do not ap pear in that index or notable macros.  After you enable Enterprise Security, events are prese nt in the index.  You can choose the type of incidents to ingest (All, Crit ical, Medium, Low, Info, Unknown, None).

- Step 1 In the Cisco XDR configuration page, enter a name in the Input Name field.
- Step 2 Select a method from the Authentication Method drop-down list.

#### Client ID:

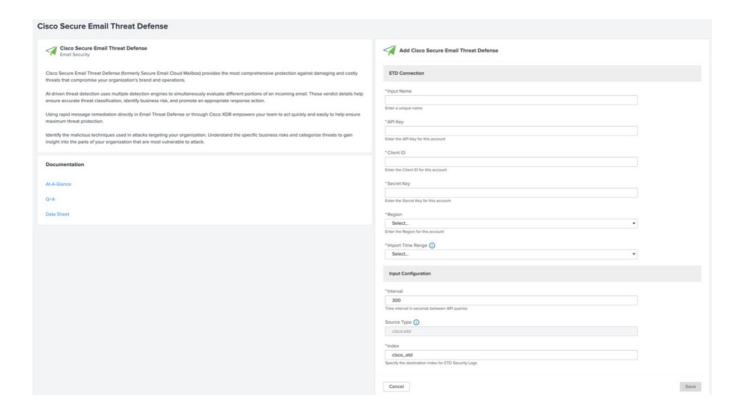
- Click the Go to XDR button to create a client for your account in XDR.
- · Copy and paste the Client ID
- Set a password (Client\_secret)

## OAuth:

- Follow the generated link and authenticate. You need to have an XDR account.
- If the first link with the code didn't work, in the second link, copy the User code and paste it manually.
- Step 3 Define an import time in the Import Time Range field.
- Step 4 If required, select a value in the Promote XDR Incidents to ES Notables. field.
- · Step 5 Click Save.

## **Cisco Secure Email Threat Defense**

Figure 9: Secure Email Threat Defense Configuration page



The following credentials are required for authorization of Secure Email Threat Defense APIs:

- api\_key
- client\_id
- client\_secret

**Table 6: Secure Email Threat Defense Configuration data** 

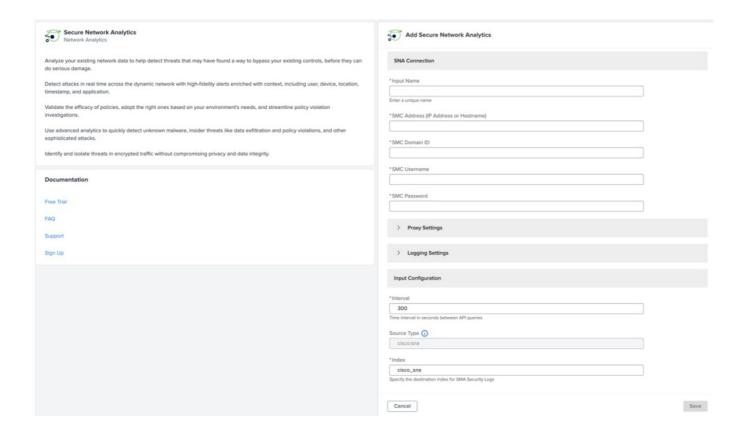
Field	Description
Region	(Mandatory) You can edit this field to change the regio n.
Import Time Range	(Mandatory) Three options are available: Import All me ssage data, Import from the created date-time, or Import from the defined date-time.

- Step 1 In the Secure Email Threat Defense configuration page, enter a name in the Input Name field.
- Step 2 Enter the API Key, Client ID, and Client Secret Key.
- Step 3 Select a region from the Region drop-down list.
- Step 4 Set an import time under Import Time Range.
- · Step 5 Click Save.

# **Cisco Secure Network Analytics**

Secure Network Analytics (SNA), formerly known as Stealthwatch, analyzes the existing network data to help identify threats that may have found a way to bypass the existing controls.

Figure 10: Secure Network Analytics Configuration page



# Credentials required for authorization:

- smc\_host: (IP address or hostname of the Stealthwatch Management Console)
- tenant\_id (Stealthwatch Management Console domain ID for this account)
- username (Stealthwatch Management Console username)
- password (Stealthwatch Management Console password for this account)

**Table 7: Secure Network Analytics Configuration data** 

Field	Description
Proxy type	choose a value from the drop-down list:
	• Host
	• Port
	Username
	Password
Interval	(Mandatory) Time interval in seconds between API queries. By default, 300 secs.
Source type	(Mandatory)
Index	(Mandatory) Specifies the destination index for SNA S ecurity Logs. By default, state: cisco_sna.
After	(Mandatory) The initial after value is used when querying the Stealthwatch API. By default, the value is 10 minutes ago.

- Step 1 In the Secure Network Analytics configuration page, enter a name in the Input Name field.
- Step 2 Enter the Manager Address (IP or Host), Domain ID, Username, and Password.
- Step 3 If required, set the following under Proxy settings:
  - Choose a proxy from the Proxy type drop-down list.
  - Enter the host, port, username, and password in the respective fields.
- Step 4 Define the Input configurations:
  - Set a time under Interval. By default, the interval is set to 300 seconds (5 minutes).
  - You can change the Source type under Advanced Settings if required. The default value is cisco:sna.
  - Enter the destination index for the Security logs in the Index field.
- · Step 5 Click Save.

# **Documents / Resources**



CISCO Security Cloud App [pdf] User Guide Security Cloud App, Cloud App, App

## References

User Manual

#### Manuals+, Privacy Policy