

# Cisco Secure Cloud Analytics

Webhooks and Services Configuration Guide



## Table of Contents

Introduction	5
Overview	5
Configuration Options	5
AWS S3 Service	6
Overview	6
Edit AWS S3 Bucket Policy	6
Add Service to Secure Cloud Analytics	7
AWS SNS Service	9
Overview	9
Edit AWS SNS Access Policy	9
Add Service to Secure Cloud Analytics	9
AWS SQS Service	11
Overview	11
Edit AWS SQS Permissions	11
Add Service to Secure Cloud Analytics	11
Azure Log Analytics	13
Overview	13
Azure Workspace Credentials	13
Add Service to Secure Cloud Analytics	13
DataDog	15
Overview	15
Create API Key	15
Add Webhook to Secure Cloud Analytics	15
Email	17
Overview	17
Add Service to Secure Cloud Analytics	17
GCP PubSub	19
Overview	19

GCP Permissions	19
Add Service to Secure Cloud Analytics	19
GCP Storage	21
Overview	21
GCP Permissions	21
Add Service to Secure Cloud Analytics	21
PagerDuty	23
Overview	23
Create Integration Key	23
Add Service to Secure Cloud Analytics	23
Slack	25
Overview	25
Slack Configuration	25
Add Service to Secure Cloud Analytics	25
Splunk HEC	27
Overview	27
Splunk Configuration	27
Enable HEC	27
Create HEC token	28
Determine your HEC URI	28
Splunk Enterprise	29
Splunk Cloud (Self-Service)	29
Splunk Cloud (Managed)	29
Add Service to Secure Cloud Analytics	29
Webex App	31
Overview	31
Configure Webex Space	31
Add Service to Secure Cloud Analytics	32
Webhooks	33
Overview	33

Add Webhooks to Secure Cloud Analytics	33
Additional Resources	35
Contacting Support	36
Change History	37

## Introduction

#### Overview

This guide explains how to configure webhooks and services in the Secure Cloud Analytics (formerly Stealthwatch Cloud) web portal. Services and webhooks allow us to send notification messages when alerts are published. This can be used to generate service tickets, notify staff, or initiate automatic remediation.

#### **Configuration Options**

To view all configured services and webhooks, select **Settings > Webhooks/Services**.

Click the \*\*\* (**Ellipsis**) icon to access the following options for each configured service or webhook:

- **Delivery Logs**: Provide more context about the messages sent for each service, including the time sent, HTTP status codes, and the option to resend the message.
- Edit: Update the configuration details, including notes or descriptions for the service.
- Enable/Disable: Toggle on or off sending messages to a service.
- **Delete**: Remove the service from the Secure Cloud Analytics portal.
- The SecureX Incident Manager service can't be deleted since it is automatically created by Secure Cloud Analytics when the SecureX ribbon is activated.

## AWS S3 Service

#### Overview

This service sends alert notification messages to an Amazon S3 bucket. Each message will be a separate file with a unique name. To configure this service, you will need to edit the AWS S3 bucket policy to allow Secure Cloud Analytics to put objects into the bucket.

### Edit AWS S3 Bucket Policy



This configuration is for the public cloud. If you are on GovCloud, the account ID will change. See the GovCloud Integration Guide for more information.

- 1. Log in to your AWS S3 console.
- 2. In the **Buckets** list, choose the bucket you want to edit.
- 3. Click **Permissions**.
- 4. Under Bucket policy, click Edit.
- 5. In the **Policy** box, add the following, replacing <bucket> with your bucket name:

• If using new permissions:

```
{
  "Version": "2012-10-17",
  "Id": "ObsrvblWebhookPolicy",
  "Statement": [
  {
      "Sid": "ObsrvblWebhookStatement",
      "Effect": "Allow",
      "Principal": {
            "AWS": "arn:aws:iam::757972810156:root"
      },
      "Action": "s3:PutObject",
      "Resource": "arn:aws:s3:::<bucket>/*"
    }
]
}
```

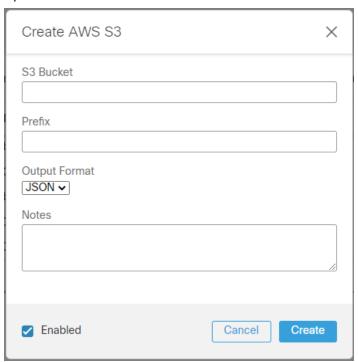
• If using existing permissions:

```
{
    "Sid": "ObsrvblWebhookStatement",
    "Effect": "Allow",
    "Principal": {
        "AWS": "arn:aws:iam::757972810156:root"
    },
    "Action": "s3:PutObject",
        "Resource": "arn:aws:s3:::<bucket>/*"
}
```

6. Click Save changes.

- 1. Log in to your Secure Cloud Analytics web portal.
- 2. Select Settings > Webhooks/Services.

Select Add New Webhooks/Service > AWS S3. The Create AWS S3 dialog box opens.



- 4. Enter your **S3 Bucket** name.
- 5. Enter a **Prefix** to limit where the notifications are delivered.
- 6. Select an **Output Format** from the drop-down list.
- 7. Enter **Notes** if you want to display text in the alert notification service summary.
- 8. Check the **Enabled** check box to enable the service.
- 9. Click Create.

### **AWS SNS Service**

#### Overview

This service sends alert notification messages to an existing Amazon Simple Notification Service (SNS) topic. To configure this service, you will need to edit the SNS topic's Access Policy to allow Secure Cloud Analytics to publish to the topic.

### Edit AWS SNS Access Policy

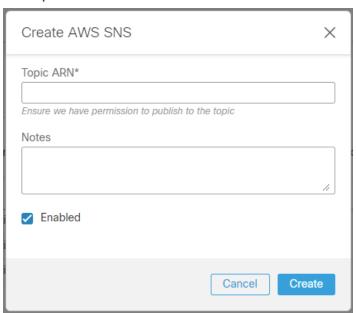
- 1. Log in to your AWS SNS console.
- 2. Select **Topics**, then choose the topic you want to edit.
- 3. Select the **Access policy** tab, then click **Edit**.
- 4. Add the following to the existing policy, replacing <Topic ARN> with your topic's Amazon Resource Name (ARN):

```
{"Sid": "swc_publish",
  "Effect": "Allow",
  "Principal": {
    "AWS": "arn:aws:iam::757972810156:role/site_role"
  },
  "Action": "sns:Publish",
    "Resource": "<Topic ARN>"
}
```

5. On the **Review** page, click **Save changes**.

- 1. Log in to your Secure Cloud Analytics web portal.
- 2. Select **Settings > Webhooks/Services**.

3. Select Add New Webhooks/Service > AWS SNS. The Create AWS SNS dialog box opens.



- 4. Enter the **Topic ARN** used above.
- 5. Enter **Notes** if you want to display text in the alert notification service summary.
- 6. Check the **Enabled** check box to enable the service.
- 7. Click Create.

## **AWS SQS Service**

#### Overview

This service sends alert notification messages to an Amazon Simple Queue Service (SQS). The message bodies will match the API JSON format. To configure this service, you will need to edit the SQS permissions to allow Secure Cloud Analytics to send messages to the queue.

### Edit AWS SQS Permissions

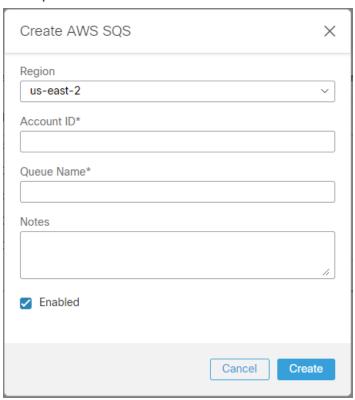
- 1. Log in to your AWS SQS console.
- 2. Select Queues.
- 3. Choose a queue, then click Edit.
- 4. Scroll to the Access policy section.
- 5. Add the following to the existing policy, replacing <SQS ARN> with your SQS's Amazon Resource Name (ARN):

```
{
    "Sid": "SCA_Publish",
    "Effect": "Allow",
    "Principal": {
        "AWS": "arn:aws:iam::757972810156:root"
    },
    "Action": [
        "sqs:SendMessage",
        "sqs:GetQueueURL"
    ],
    "Resource": "<SQS_ARN>"
}
```

6. Click Save.

- 1. Log in to your Secure Cloud Analytics web portal.
- Select Settings > Webhooks/Services.

Select Add New Webhooks/Service > AWS SQS. The Create AWS SQS dialog box opens.



- 4. Select your AWS deployment **Region** from the drop-down list.
- 5. Enter the **Account ID**.
- 6. Enter the **Queue Name**.
- 7. Enter **Notes** if you want to display text in the alert notification service summary.
- 8. Check the **Enabled** check box to enable the service.
- 9. Click Create.

## Azure Log Analytics

#### Overview

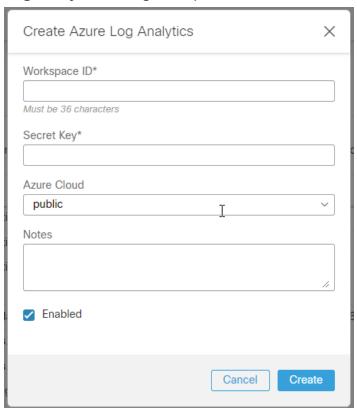
This service sends alert notification messages to Azure Log Analytics workspaces. To configure this service, you will need the Workspace ID and key.

### **Azure Workspace Credentials**

- 1. Sign in to your Azure portal.
- 2. In the Search Bar, type Log Analytics.
- 3. Select Log Analytics workspaces.
- 4. In your list of **Log Analytics workspaces**, choose the workspace you want to send notifications to.
- 5. Select **Agents management**.
- 6. Copy the Workspace ID and the Primary key, or Secondary key.

- 1. Log in to your Secure Cloud Analytics web portal.
- 2. Select Settings > Webhooks/Services.

3. Select Add New Webhooks/Service > Azure Log Analytics. The Create Azure Log Analytics dialog box opens.



- 4. Enter the copied Workspace ID.
- 5. Enter the copied **Secret Key**.
- 6. Select your **Azure Cloud** deployment type from the drop-down list.
- 7. Enter **Notes** if you want to display text in the alert notification service summary.
- 8. Check the **Enabled** check box to enable the service.
- 9. Click Create.

## DataDog

#### Overview

This webhook sends alert notification messages to DataDog. To configure this service, you will need to create a DataDog API key.

i) We recommend creating a new API key instead of using an existing one.

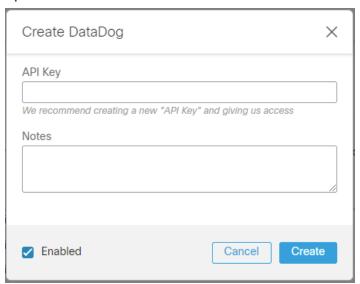
### Create API Key

- 1. Log in to your DataDog console.
- 2. Select your **Account Name > Organization settings**.
- 3. Click API Keys.
- 4. Click New API key.
- 5. Enter a name for your key.
- 6. Click Create API key.
- 7. Your key will be obscured by default. Hover over the purple box to reveal and copy the API key.

### Add Webhook to Secure Cloud Analytics

- 1. Log in to your Secure Cloud Analytics web portal.
- 2. Select Settings > Webhooks/Services.

3. Select **Add New Webhooks/Service > DataDog**. The **Create DataDog** dialog box opens.



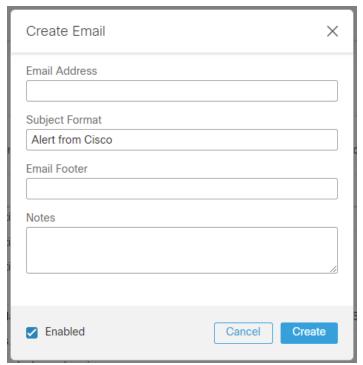
- 4. Enter the copied **API Key**.
- 5. Enter **Notes** if you want to display text in the alert notification service summary.
- 6. Check the **Enabled** check box to enable the service.
- 7. Click Create.

## Email

#### Overview

This service sends alert notifications to an email address.

- 1. Log in to your Secure Cloud Analytics web portal.
- 2. Select Settings > Webhooks/Services.
- 3. Select Add New Webhooks/Service > Email. The Create Email dialog box opens.



- 4. Enter a recipient **Email Address**.
- 5. Update the **Subject Format** and **Email Footer**. You can add parameters to the email for information specific to that alert, as described in the following table:

Parameter	Definition	
\${type}	The alert type	
\${source_name}	The name of the entity that caused the alert to be generated	

\${time}	The time of alert generation	
\${tags}	Tags associated with the alert	

- 6. Enter **Notes** if you want to display text in the alert notification service summary.
- 7. Check the **Enabled** check box to enable the service.
- 8. Click Create.

## GCP PubSub

#### Overview

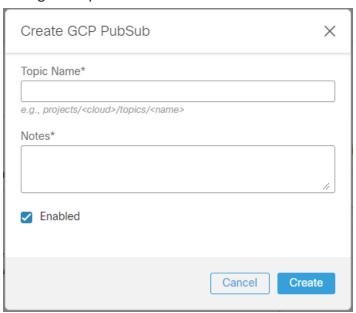
This service sends alert notification messages to a Google Cloud PubSub topic. The messages will match the API JSON format. To configure this service, you will need to authorize Secure Cloud Analytics the right to publish messages to the topic.

#### **GCP Permissions**

- 1. Log in to your Google Cloud console.
- 2. Select Pub/Sub > Topics.
- 3. Choose the topic you want to edit.
- 4. In the Permissions tab, click Add Principal.
- 5. Fill out the **Grant access** form with the following information:
  - Add principals: service@swatch-cloud.iam.gserviceaccount.com
  - Assign roles: Pub/Sub Publisher
- 6. Click Save.

- 1. Log in to your Secure Cloud Analytics web portal.
- 2. Select **Settings > Webhooks/Services**.

3. Select Add New Webhooks/Service > GCP PubSub. The Create GCP PubSub dialog box opens.



- 4. Enter the **Topic Name**.
- 5. Enter **Notes** if you want to display text in the alert notification service summary.
- 6. Check the **Enabled** check box to enable the service.
- 7. Click Create.

## **GCP Storage**

#### Overview

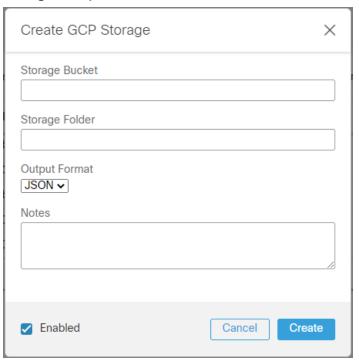
This service sends alert notification messages to a Google Cloud Storage bucket. Each message will be a separate file with a unique name. To configure the service, you will need to authorize Secure Cloud Analytics the right to create storage objects in the bucket.

#### **GCP Permissions**

- 1. Log in to your Google Cloud console.
- 2. Select Cloud Storage > Buckets.
- 3. Choose the bucket you want to edit.
- 4. Click Permissions, then click Add Principal.
- 5. Fill out the **Grant access** form with the following information:
  - Add principals: service@swatch-cloud.iam.gserviceaccount.com
  - Assign roles: Storage Object Creator
- 6. Click Save.

- 1. Log in to your Secure Cloud Analytics web portal.
- 2. Select **Settings > Webhooks/Services**.

3. Select Add New Webhooks/Service > GCP Storage. The Create GCP Storage dialog box opens.



- 4. Enter your **Storage Bucket** name.
- 5. Enter a **Storage Folder** where the files will be created in the bucket.
- 6. Select an **Output Format** from the drop-down list.
- 7. Enter **Notes** if you want to display text in the alert notification service summary.
- 8. Check the **Enabled** check box to enable the service.
- 9. Click Create.

## PagerDuty

#### Overview

This service sends alert notification messages to PagerDuty. To configure this service, you will need to add a new API Service that interacts with Secure Cloud Analytics.

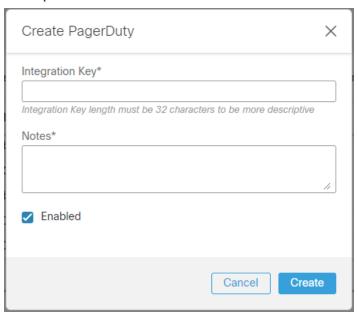
We support the trigger event.

### **Create Integration Key**

- 1. Log in to PagerDuty.
- 2. Select Configuration > Services.
- 3. Click +Add New Service.
- 4. Enter a Name and Description for the service.
- 5. Under Integration Settings, select Use our API directly.
- 6. Click Create Service.
- 7. You will be redirected to the Integrations page for your service. Copy the Integration Key.

- 1. Log in to your Secure Cloud Analytics web portal.
- 2. Select Settings > Webhooks/Services.

3. Select Add New Webhooks/Service > PagerDuty. The Create PagerDuty dialog box opens.



- 4. Enter the copied Integration Key.
- 5. Enter **Notes** if you want to display text in the alert notification service summary.
- 6. Check the **Enabled** check box to enable the service.
- 7. Click Create.

### Slack

#### Overview

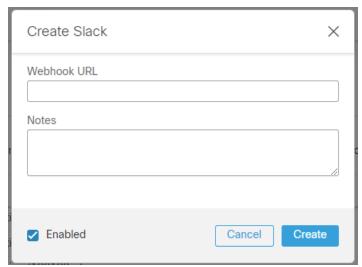
This webhook sends alert notification messages to Slack. To configure this webhook, you will need to create a Slack app and Webhook URL.

### Slack Configuration

- Go to https://api.slack.com/apps?new\_app.
- 2. Click Create an App.
- 3. Enter a name and choose the workspace you want to send messages to.
- 4. Click Create App.
- After creating, you'll be redirected to the settings page for your new app.
   If you are using an existing app, load settings using your app's management dashboard.
- 6. Select the **Incoming Webhooks** feature, and click the **Activate Incoming Webhooks** toggle to switch it on. The settings page will refresh.
- 7. Click Add New Webhook to Workspace.
- 8. Pick a channel that the app will post to, then click **Authorize**.
- 9. On your app settings page, you should see a new entry under the **Webhook URLs for Your Workspace** section, with a Webhook URL that will look something like this: https://hooks.slack.com/services/NNNNNNN/.
- 10. Copy the Webhook URL.

- 1. Log in to your web portal.
- 2. Select Settings > Webhooks/Services.

3. Select Add New Webhooks/Service > Slack. The Create Slack dialog box opens.



- 4. Enter the copied Webhook URL.
- 5. Enter **Notes** if you want to display text in the alert notification service summary.
- 6. Check the **Enabled** check box to enable the service.
- 7. Click Create.

## Splunk HEC

#### Overview

This service sends alert notification messages to a Splunk HTTP Event Collector (HEC) for monitoring. To configure this service, you will need to create a Splunk HEC, generate an HEC token, then upload the HEC URI.

- Your Splunk Endpoint Certificate must be signed by a public Certificate Authority. For more information, refer to the Splunk documentation.
- Make sure that your HEC is accessible externally, so that Secure Cloud Analytics can send notifications.

### Splunk Configuration

In the Splunk Enterprise console, you will need to enable the HEC, create a HEC token, and determine your HEC URI to send notifications from Secure Cloud Analytics to Splunk.

#### **Enable HEC**

i If you subscribe to Splunk Cloud Platform, HEC is enabled by default.

To enable the Event Collector to receive events through HTTP, complete the following steps:

- 1. Log in to your Splunk Enterprise console.
- 2. Select **Settings > Data Inputs**.
- Click HTTP Event Collector.
- 4. Click Global Settings.
- 5. In the **All Tokens** toggle button, select **Enabled**.
- 6. (Optional) Choose a **Default Source Type** for all HEC tokens. You can also type in the name of the source type in the text field above the drop-down list box before choosing the source type.
- 7. (Optional) Choose a **Default Index** for all HEC tokens.
- 8. (Optional) Choose a **Default Output Group** for all HEC tokens.
- 9. (Optional) To use a deployment server to handle configurations for HEC tokens, check the **Use Deployment Server** check box.

- 10. To have HEC listen and communicate over HTTPS, check the **Enable SSL** check box.
  - i We do not support disabling SSL.
- 11. Enter a number in the **HTTP Port Number** field for HEC to listen on.
  - Confirm that no firewall blocks the port number that you specified in the HTTP Port Number field, either on the clients or the Splunk instance that hosts HEC.
- 12. Click Save.

#### Create HEC token

To create a HEC token, complete the following steps:

- 1. Log in to your Splunk Enterprise console.
- 2. Select **Settings > Add Data**.
- 3. Click monitor.
- 4. Click HTTP Event Collector.
- 5. In the **Name** field, enter a name for the token.
- 6. (Optional) In the **Source name override** field, enter a source name for events that this input generates.
- 7. (Optional) In the **Description** field, enter a description for the input.
- 8. (Optional) In the **Output Group** field, select an existing forwarder output group.
- 9. (Optional) If you want to enable indexer acknowledgment for this token, check the **Enable indexer acknowledgment** check box.
- 10. Click Next.
- 11. (Optional) Confirm the source type and the index for HEC events.
- 12. Click Review.
- 13. Confirm that all settings for the endpoint are what you want.
- 14. If all settings are what you want, click **Submit**. Otherwise, click < to make changes.
- 15. Copy the token value that Splunk Web displays and paste it into a text editor for reference later.

#### Determine your HEC URI

Based on your HEC deployment and Splunk subscription, determine the URI for your HEC.

#### Splunk Enterprise

If you subscribe to Splunk Enterprise:

1. Copy the following URI and paste it into a plaintext editor:

```
https://<host>:<port>/services/collector
```

- 2. Replace <host> with the hostname in your plaintext editor.
- 3. Replace *<port>* with the port number in your plaintext editor.

#### Splunk Cloud (Self-Service)

If you subscribe to self-service Splunk Cloud:

1. Copy the following URI and paste it into a plaintext editor:

```
https://input-<host>:8088/services/collector
```

2. Replace <host> with the hostname in your plaintext editor.

#### Splunk Cloud (Managed)

If you subscribe to managed Splunk Cloud:

1. Copy the following URI and paste it into a plaintext editor:

```
https://http-inputs-<host>:443/services/collector
```

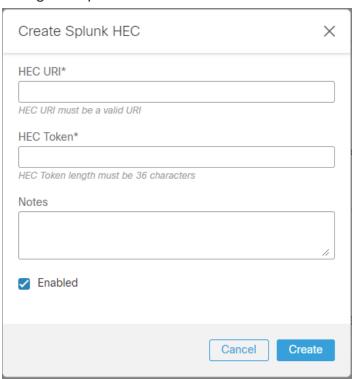
2. Replace <host> with the hostname in your plaintext editor.

### Add Service to Secure Cloud Analytics

To add the Splunk service URI to Secure Cloud Analytics, complete the following steps:

- 1. Log in to your Secure Cloud Analytics web portal.
- 2. Select **Settings > Webhooks/Services**.

3. Select Add New Webhooks/Service > Splunk HEC. The Create Splunk HEC dialog box opens.



- 4. Enter the HEC URI.
- 5. Enter the copied **HEC Token**.
- 6. Enter **Notes** if you want to display text in the alert notification service summary.
- 7. Check the **Enabled** check box to enable the service.
- 8. Click Create.

## Webex App

#### Overview

This service sends alert notification messages to a Webex App Space. To configure this service, you will need the Space ID and to add the Secure Cloud Analytics bot to the Space.

### Configure Webex Space

1. Choose the space in Webex App to send notifications to and add stealthy@sparkbot.io to the Space.



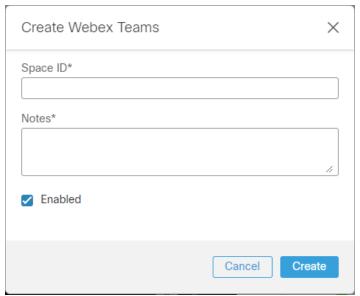
- 2. Copy the Space ID. This can be found using either of the following ways:
  - In the Webex App space, click the (Gear) icon, then select Copy space link.
     Paste the link into a text editor. It will look something like this:
     webexteams://im?space= space\_id.
  - In the Webex App space, copy the space information to the clipboard:
    - ∘ On Windows use Ctrl + Shift + K
    - ∘ On Mac use Option + Command + K

Paste the space information into a text editor, it will look something like this:

```
Space name: My Space
Space ID: 397538b0-7497-11ec-9fcb
```

```
Space URI: webexteams://im?space=397538b0-7497-11ec-9fc
Space URI (markdown): [My Space]
(webexteams://im?space=397538b0-7497-11ec-9fc)
Participant count: 3
External participant count: 0
Conversation type: group
Actor role: Member
```

- 1. Log in to your Secure Cloud Analytics web portal.
- 2. Select Settings > Webhooks/Services.
- 3. Select Add New Webhooks/Service > Webex Teams. The Create Webex Teams dialog box opens.



- 4. Enter the copied **Space ID**.
- 5. Enter **Notes** if you want to display text in the alert notification service summary.
- 6. Check the **Enabled** check box to enable the service.
- 7. Click Create.

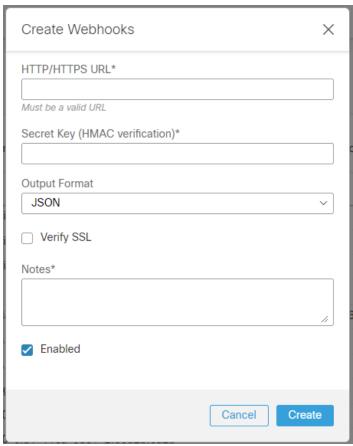
### Webhooks

#### Overview

This general purpose webhook delivers alert notifications as a POST request to the webhook URL that you provide. The system generates a hash-based message authentication code (HMAC) hash of the POST request body using a webhook secret key that you provide. The POST request custom X-OBSERVABLE-SIGNATURE header contains this HMAC hash.

### Add Webhooks to Secure Cloud Analytics

- 1. Log in to your Secure Cloud Analytics web portal.
- 2. Select **Settings > Webhooks/Services**.
- Select Add New Webhooks/Service > Webhooks. The Create Webhooks dialog box opens.



4. Enter your webhook URL into the HTTP/HTTPS URL field.

- 5. Enter yoursecret key into the **Secret Key (HMAC verification)** field.
- 6. Select an **Output Format** from the drop-down list.
- 7. If you used an HTTPS webhook URL, select Verify SSL.
- 8. Enter **Notes** if you want to display text in the alert notification service summary.
- 9. Check the **Enabled** check box to enable the service.
- 10. Click Create.

## **Additional Resources**

For more information about Secure Cloud Analytics, refer to the following:

- https://www.cisco.com/c/en/us/products/security/stealthwatch-cloud/index.html
   for a general overview
- https://www.cisco.com/c/en/us/support/security/stealthwatch-cloud/tsdproducts-support-series-home.html for documentation resources
- https://www.cisco.com/c/en/us/support/security/stealthwatch-cloud/productsinstallation-guides-list.html for installation and configuration guides, including the Secure Cloud Analytics Initial Deployment Guide

## **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: <a href="http://www.cisco.com/c/en/us/support/index.html">http://www.cisco.com/c/en/us/support/index.html</a>
- 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

Revision	Revision Date	Description
1.0	November 1, 2022	Initial version.
1.1	May 17, 2024	Updated the Splunk HEC section.

## 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: <a href="https://www.cisco.com/go/trademarks">https://www.cisco.com/go/trademarks</a>. 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)

