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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:

```json
{
    "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:

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

6. Click **Save changes**.

Add Service 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 > AWS S3.** The **Create AWS S3** dialog box opens.

![Create AWS S3 dialog box](image)

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):

```json
{"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.

Add Service 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 > 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):

```json
{
    "Sid": "SCA_Publish",
    "Effect": "Allow",
    "Principal": {
        "AWS": "arn:aws:iam::757972810156:root"
    },
    "Action": [
        "sqs:SendMessage",
        "sqs:GetQueueURL"
    ],
    "Resource": "<SQS ARN>"
}
```
6. Click Save.

Add Service 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 > 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**.

Add Service 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 > Azure Log Analytics**. The **Create Azure Log Analytics** dialog box opens.

![Create Azure Log Analytics dialog box](image)

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.

ℹ️ 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.

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.

Add Service 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 > 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:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>${type}</td>
<td>The alert type</td>
</tr>
<tr>
<td>${source_name}</td>
<td>The name of the entity that caused the alert to be generated</td>
</tr>
</tbody>
</table>
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.

Add Service 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 > 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**.

Add Service 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 > GCP Storage**. The **Create GCP Storage** dialog box opens.

![Create GCP Storage dialog box](image)

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.

Add Service 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 > PagerDuty**. The **Create PagerDuty** dialog box opens.

![Create PagerDuty dialog box](image)

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

2. Click Create an App.
3. Enter a name and choose the workspace you want to send messages to.
4. Click Create App.
5. 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.

Add Service to Secure Cloud Analytics

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.

![Create Slack dialog box](image)

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.

Make sure that your HEC is accessible externally, so that Secure Cloud Analytics can send notifications.

Splunk Configuration

Enable HEC

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.
3. 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. (Optional) To have HEC listen and communicate over HTTPS rather than HTTP, check the Enable SSL check box.
11. (Optional) 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:

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

2. Replace `<protocol>` with http or https, depending on if you enabled or disabled SSL when creating the HEC.

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

4. 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:

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

2. Replace `<protocol>` with http or https, depending on if you enabled or disabled SSL when creating the HEC.

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

**Add Service 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 > 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.

![Add people to this space](image)

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

Add Service to Secure Cloud Analytics

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

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

![Create Webhooks dialog box]

4. Enter your webhook URL into the **HTTP/HTTPS URL** field.
5. Enter your secret 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:

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 email: tac@cisco.com
- For phone support: 1-800-553-2447 (U.S.)
- For Secure Cloud Analytics Free Trial customers, open a case by email: swatchc-support@cisco.com
# Change History

<table>
<thead>
<tr>
<th>Revision</th>
<th>Revision Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>November 1, 2022</td>
<td>Initial version.</td>
</tr>
</tbody>
</table>
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