



Cisco Secure Cloud Analytics

Send On-Premises Flows from Cisco Telemetry Broker or Secure Network Analytics to Secure Cloud Analytics Configuration Guide



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Introduction

This guide explains how to configure on-premises flow data to be sent from Cisco Telemetry Broker or Secure Network Analytics (formerly Stealthwatch) to Cisco Secure Cloud Analytics (formerly Stealthwatch Cloud).



We recommend using Cisco Telemetry Broker to send on-premise flow data to Secure Cloud Analytics. Alternatively, you can configure the Flow Collector to send flow data directly to Secure Cloud Analytics. For more information, review the [Flow Collector Resource Requirements](#).

Supported Flow Data Types

The following types of flow data are sent from Secure Network Analytics to Secure Cloud Analytics using Cisco Telemetry Broker or the Flow Collector:

- IPFIX packets
- NetFlow v5 (Cisco Telemetry Broker v1.3 or later)
- NetFlow v9 (Cisco Telemetry Broker v1.3 or later)



Network Visibility Module (NVM) data is not supported in Secure Cloud Analytics. If your Secure Network Analytics deployment ingests NVM data, we suggest using a dedicated flow-based telemetry Flow Collector to send on-premises flow data and using a separate Flow Collector to ingest NVM data.

Cisco Telemetry Broker Configuration

Use the following instructions to configure your Cisco Telemetry Broker to send on-premise flow data to Secure Cloud Analytics. We recommend using this method for environments with over 50,000 Flows per Second (FPS).

Prerequisites

- Secure Cloud Analytics account
- Cisco Telemetry Broker v1.2 or later



To deploy a Cisco Telemetry Broker, follow the instructions in the [Cisco Telemetry Broker Virtual Appliance Deployment and Configuration Guide](#).



Configure Cisco Telemetry Broker

1. Log in to your Secure Cloud Analytics web portal.
2. Click **Settings > Sensors**.
3. Scroll to the bottom of the page and save the Service key and Service host information.

Service key: [REDACTED]

Service host: `https://[REDACTED].obsrvbl.com`

4. Log in to Cisco Telemetry Broker.
5. In the upper right corner of the page, click **Add Destination > SCA Destination**.
6. Enter a destination **Name**.
7. Enter the **SCA Service Key**. Make sure that you paste the entire key.
8. Enter the **SCA Host URL**. Make sure that you paste the entire URL.
9. Click **Save**.
10. Go back to the Sensors page in the Secure Cloud Analytics portal. You should see the Telemetry Broker hostname and information included in the sensors list.

Settings ▾

Hostname: `ctb`

Heartbeat Received: ● 2022-07-31 12:40:30 UTC

Heartbeat Sent: 2022-07-31 12:40:33 UTC

Last Flow Record: ● 2022-06-22 10:47:42 UTC

[all sensor details >](#)



For more information on configuring Destinations, refer to the [Cisco Telemetry Broker User Guide](#).

Flow Collector Configuration

Use the following instructions to configure your Flow Collector to send on-premises flow data to Secure Cloud Analytics.



If you have configured Cisco Telemetry Broker to send on-premises flow data, you do not need to configure your Flow Collector. You only need to export flow data to Secure Cloud Analytics once per area of the network.

Prerequisites

- Secure Cloud Analytics account
- Secure Network Analytics Flow Collector v7.4.1

Resource Requirements

If sending on-premises flow data directly from your Flow Collector to Secure Cloud Analytics, we recommend the Flow Collector has the following allocated resources:

Flows per Second (FPS)	Required Reserved Memory	Required Reserved CPUs	Required Minimum Data Storage
Up to 50,000	70 GB	8	200 GB



For environments with more than 50,000 FPS, we recommend configuring [Cisco Telemetry Broker](#) to send the on-premises flow data.



Configure the Flow Collector

1. Log in to your Secure Cloud Analytics web portal.
2. Click **Settings > Sensors**.
3. Scroll to the bottom of the page and save the Service key and Service host information.


Service key:

Service host: `https://` `.obsrvbl.com`

4. SSH into your Flow Collector and log in as root.

1. Log in to your Manager.
2. From the navigation menu, click the  (**Global Settings**) icon and select **Central Management**.
3. Click the  (**Ellipsis**) icon for your Flow Collector, then click **Edit Appliance Configuration**.
4. Click the **Network Service** tab, scroll to the Internet Proxy section.
5. Enter the IP address and Port information.




For instructions on how to configure Internet Proxy, click the  (**User**) icon, then click **Help > Internet Proxy**. The IP Address, Port, and Proxy Login Credentials are specific to your network. Contact your Network Administrator for assistance.


Appliance Configuration - Flow Collector

Appliance **Network Services** General

Internet Proxy **Modification Requires Reboot**

 Confirm your DNS server is configured.

Proxy Setup

Enable 

IP Address *

Port *

Proxy Login Credentials (if applicable)

User Name

Password

Authentication Type

basic

ntlm

Domain

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

Verification

Use the following instructions to verify Secure Cloud Analytics is receiving on-premises flow data.

i After configuration, you should be able to see flow records from Cisco Telemetry Broker or the Flow Collector in Secure Cloud Analytics within 30 minutes. If you do not, please contact [Cisco Support](#).

1. Log in to your Secure Cloud Analytics web portal.
2. Go to **Investigate > Event Viewer**.
3. Click the **Session Details** tab.

Secure Cloud Analytics Monitor Investigate Report Settings

Event Viewer

Session Traffic Rejected Traffic Cloud Posture Azure Activity Logs AWS CloudTrail ISE **Session Details** Passive DNS

2022-07-08 22:41:55 GMT+5:30 | 2022-07-08 23:41:55 GMT+5:30 Q switch to query-mode above to enable

Timestamp	Start Time	sourceIPv4Address	destinationIPv4Address	sourceTransportPort
▶ 2022-03-11 14:26:44 EST	2020-03-17 14:07:12 UTC	⇔ [redacted]	[US] [redacted]	56254
▶ 2022-03-11 14:26:44 EST	2020-03-17 14:07:12 UTC	⇔ [redacted]	[US] [redacted]	51808
▶ 2022-03-11 14:26:44 EST	2020-03-17 14:07:12 UTC	[CA] [redacted]	[US] [redacted]	53 (domain)

4. You will see the flow records from the Cisco Telemetry Broker or the Flow Collector.

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

Revision	Revision Date	Description
1.0	March 31, 2022	Initial version.
2.0	August 8, 2022	Added Cisco Telemetry Broker configuration.
2.1	November 3, 2022	Updated the document title and Introduction section.

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