



ArcSight SmartConnectors

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Configuration Guide for Terraform Cloud SmartConnector

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Configuration Guide for Terraform Cloud SmartConnector

The guide provides information on installing and configuring SmartConnector for the Terraform Cloud instance.

Intended Audience

This guide provides information for IT administrators who are responsible for managing the ArcSight software and its environment.

Additional Documentation

The ArcSight SmartConnector documentation library includes the following resources:

- [Technical Requirements Guide for SmartConnector](#), which provides information about operating system, appliance, browser, and other support details for SmartConnector.
- [Installation and User Guide for SmartConnectors](#), which provides detailed information about installing SmartConnectors.
- [Configuration Guides for ArcSight SmartConnectors](#), which provides information about configuring SmartConnectors to collect events from different sources.
- [Configuration Guide for SmartConnector Load Balancer](#), which provides detailed information about installing Load Balancer.

For the most recent version of this guide and other ArcSight SmartConnector documentation resources, visit the [documentation site for ArcSight SmartConnectors 8.4](#).

Contact Information

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Product Overview

SmartConnector for Terraform Cloud retrieves audit trail events through the Audit Trails API, normalizes the events, and then sends them to the configured destinations.

Terraform Cloud enables infrastructure automation for provisioning, compliance, and management of any cloud, data center, and service.

The Audit Trails API provides access to a continuous flow of audit events that detail modifications made to application entities (workspaces, runs, and so on.) associated with a Terraform Cloud organization. Access to audit trails requires a paid subscription, which is included in the Terraform Cloud for a Business (TFCB) upgrade package. For more information, see the [Terraform Cloud pricing](#) page.



Note: Unlike other APIs, the Audit Trails API does not use the JSON API specification.

Prerequisites

Before you install any SmartConnectors, make sure that the ArcSight products with which the connectors will communicate have already been installed correctly (such as ArcSight ESM or ArcSight Logger).

For complete product information, see *Administrator's Guide to ArcSight Platform*, available on [ArcSight Documentation](#).

If you are adding a connector to the ArcSight Management Center, see the *ArcSight Management Center Administrator's Guide* available on [ArcSight Documentation](#) for instructions.

Before installing the Terraform Cloud SmartConnector, ensure that you have the following:

- You have a TFCB subscription .
- You have enabled the Audit Trails API feature. The Audit Trails API is a paid feature that is available with the TFCB upgrade package. For more information, see [Terraform Cloud pricing](#).
- You have the Organization API Token to access the Audit Trails API. For more information and to create an Organization API token, go to:
<https://developer.hashicorp.com/terraform/cloud-docs/users-teams-organizations/api-tokens>

Installing and Configuring the SmartConnector

The following sections provide instructions for installing and configuring the connector.

For detailed installation steps or for manual installation steps, see [SmartConnector Installation and User Guide](#).



Installing and Configuring the SmartConnector

1. Start the installation wizard.
2. Follow the instructions in the wizard to install the core software.
3. Specify the relevant [Global Parameters](#), when prompted.
4. From the **Type** drop-down list, select **Terraform Cloud**, then click **Next**.
5. Specify the following parameters to configure the SmartConnector, and then click **Next**.

The screenshot shows a window titled "Connector Setup" with the OpenText ArcSight logo. The main heading is "Enter the parameter details". On the left, there is a sidebar with the word "Configure". The main area contains several input fields for configuration parameters:

- Proxy Host
- Proxy Port
- Proxy User Name
- Proxy Password
- Event URL (pre-filled with `https://app.terraform.io/api/v2/organization/audit-trail?since=$START_AT_TIME`)
- API Token

At the bottom right, there are three buttons: "< Previous", "Next >" (highlighted with a blue border), and "Cancel".

Parameter	Description
Proxy Host	(Optional) If proxy is enabled for your machine, the IP address or host name of the proxy server required for the proxy configuration to access the internet.
Proxy Port	(Optional) If proxy is enabled for your machine, the port number of the proxy server required for the proxy configuration.
Proxy User Name	(Optional) If proxy is enabled for your machine, the user name for the proxy server. Specify this value only if proxy needs access to the Internet. If you enter the proxy user name, you must provide the proxy password.
Proxy Password	(Optional) If proxy is enabled for your machine, the password for the proxy server user. Specify this value only if proxy needs access to internet and you have specified a user name for the proxy server.
Event URL	<p>The URL from where you need to fetch events.</p> <p>The default value is: <code>https://app.terraform.io/api/v2/organization/audit-trail?page[number]=1&since=\$START_AT_TIME</code>.</p> <div>  <p>Note: If you want to fetch events of a specific period, use the <code>startatime</code> parameter in <code>agent.properties</code>. Do not remove "<code>\$START_AT_TIME</code>" in the URL.</p> </div>
API Token	<p>Enter the Organization API token to authenticate with Terraform Cloud APIs. For more information and to create an Organization API token, go to: https://developer.hashicorp.com/terraform/cloud-docs/users-teams-organizations/api-tokens</p> <div>  <p>Important: Only Organization owners are authorized to create an Organization API token.</p> </div>

6. Select a [destination and configure parameters](#).
7. Specify a name for the connector.
8. (Conditional) If you have selected **ArcSight Manager** as the destination, the certificate import window for the ArcSight Manager is displayed. Select **Import the certificate to the connector from destination**, and then click **Next**. The certificate is imported and the **Add connector Summary** window is displayed.



Note: If you select **Do not import the certificate to connector from destination**, the connector installation will end.

9. Select whether you want to run the connector as a service or in the standalone mode.
10. Complete the installation.

11. [Run the SmartConnector.](#)
12. For instructions about upgrading the connector or modifying its parameters, see [SmartConnector Installation and User Guide.](#)

Device Event Mapping to ArcSight Fields

This section lists the mappings of the ArcSight data fields to the device-specific event fields. For more information about the ArcSight data fields, see [ArcSight Console User's Guide for ESM.](#)

ArcSight ESM Field	Device-Specific Field
Destination User Id	impersonator_id
Device Action	action
Device Custom String 1	auth/type
Device Custom String 1 Label	Auth Type
Device Custom String 2	organization_id
Device Custom String 2 Label	Organization Id
Device Custom String 3	request/id
Device Custom String 3 Label	Request Id
Device Custom String 4	impersonator_id
Device Custom String 4 Label	Impersonator Id
Device Custom String 5	organization_name
Device Custom String 5 Label	Organization Name
Device Custom String 6	meta
Device Custom String 6 Label	Resource Meta
Device Event Category	type
Device Event Class Id	resource/type: resource/action
Device Product	Audit Trails
Device Vendor	Terraform
Device Version	version
End Time	timestamp
External Id	id
File Id	Resource ID: resource/id

Message	message
Name	resource/type: resource/action
Source User Id	accessor_id
Source User Name	description

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