



Setup Terraform Aisera Connector

Terraform Cloud run tasks let you integrate third-party tools and services at specific stages in the run lifecycle. Aisera scans your Terraform plan during the post-plan stage. Ensure that you have any necessary Terraform Cloud permissions, including the Manage Workspace Run Tasks permission, which allows you to associate the run task with the workspace. During run task configuration, you can amend the Endpoint URL value with additional parameters to fine-tune how Aisera detects and creates Major Incident tickets.

1. Create Terraform Integration

- In Aisera Console navigate to **Settings > Integration > Click New Integration**
- From the Popup select **Terraform Integration** and fill the details as below

A screenshot of a web application popup titled "Edit Integration - Terraform". The popup has a close button in the top right corner. On the left side, there is a sidebar with two tabs: "Configuration" (which is selected and highlighted in blue) and "Authentication". The main content area contains the following fields:

- Name ***: A text input field containing "Terraform Integration Test".
- Endpoint ***: A text input field containing "endpoint".
- Public * ⓘ**: A checkbox that is checked.
- Description**: A larger text input field that is currently empty.

At the bottom right of the popup, there are two buttons: "Cancel" and "OK".

2. Create Terraform Connector

- In the Aisera Console, navigate to **Settings > Data Sources > Click New Data Source** Button.
- In the new Popup that opens, fill the details as below. Make sure you choose the Integration created in Step 1.



New Data Source - Terraform

Step 2 of 3: General

Name *

Integration *

Functions *

Schedule *

Public Domain

Description

- Click **Next**. This will render another page. Leave the fields blank.

Edit Data Source - Terraform

Step 2 of 2: Configuration

Event Type

Bypass Test Connection

Custom Query



Transformation Script

3. Configure Field Mappings

- Go to the **Data Sources Page > Search the Connector** created
- Configure the field mappings as below:



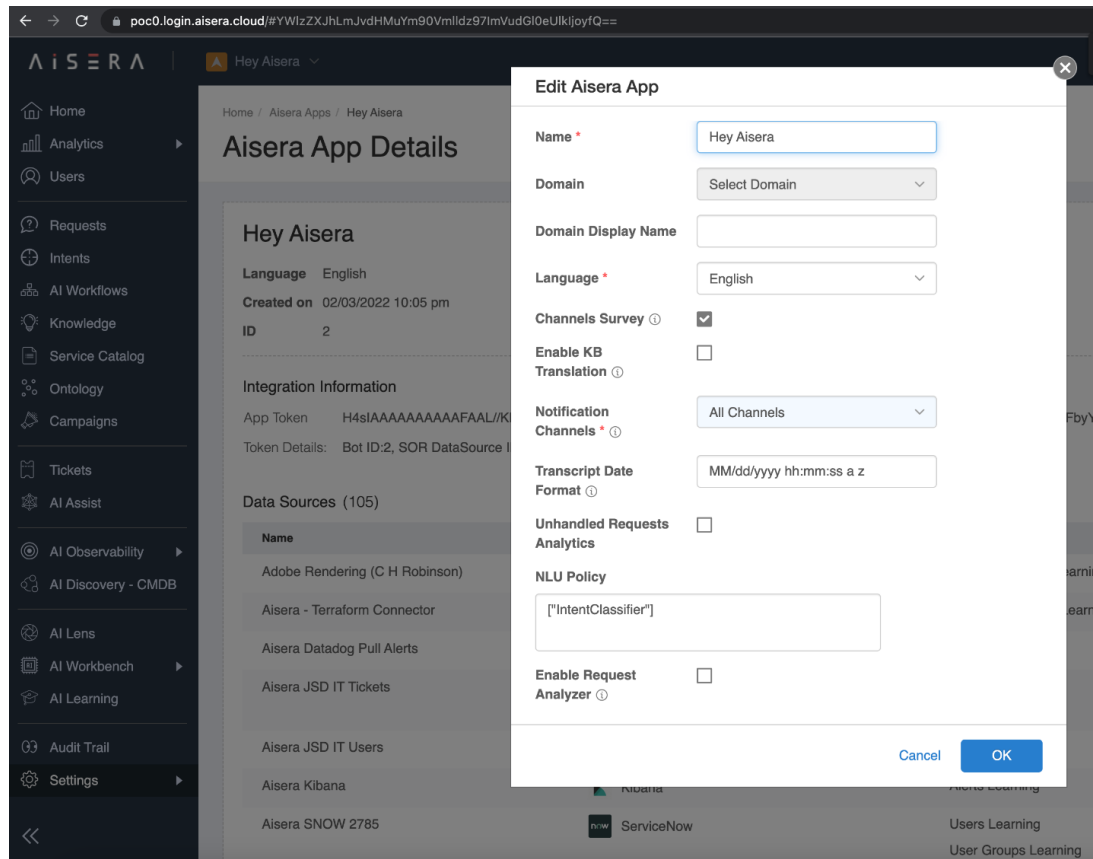
Ticket Fields (20)

| Field Name | Content Type | Source | Terraform Field | Details |
|--|----------------|--------|-------------------|---|
| CallbackPayload | Change Request | Custom | callback_payload | Field Id 897 |
| CaseComment id | Change Request | Aisera | run_id | |
| CaseComment text | Change Request | Aisera | run_message | |
| CreationDate | Change Request | Aisera | my_date | Date Format yyyy-MM-dd HH:mm:ss |
| Description | Change Request | Aisera | run_message | |
| DisplayId | Change Request | Aisera | run_id | |
| ExternalId | Change Request | Aisera | run_id | |
| Id | Change Request | Aisera | run_id |   |
| is_speculative Is Speculative | Ticket | Custom | is_speculative | Field Id 900 |
| organization_name Organization Name | Ticket | Custom | organization_name | Field Id 906 |
| PlannedValues | Change Request | Custom | planned_values | Field Id 898 |
| run_app_url | Change Request | Custom | run_app_url | Field Id 899 |

4. Aisera Flow Details

The default flow shall be executed while Aisera receives the call from WebHook. A data source is set up to receive alerts from Terraform.

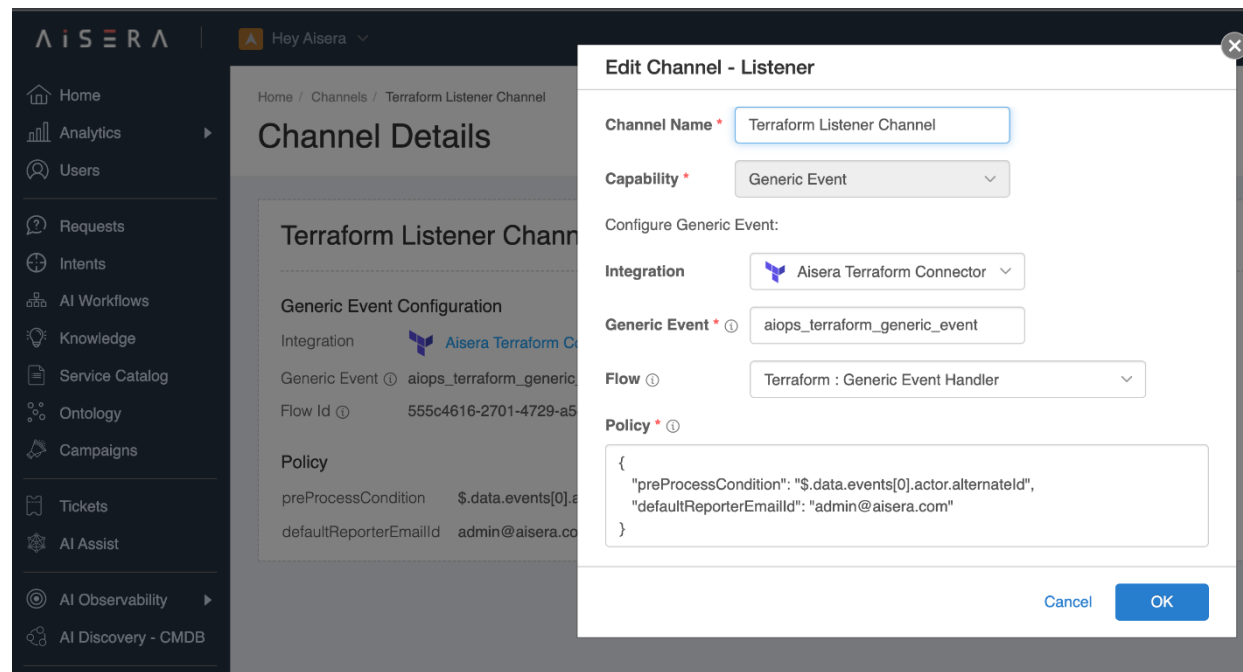
- Configure the Aisera app to support **“All Channels”** as below:



The screenshot shows the Aisera Admin Console interface. The main page displays 'Aisera App Details' for an app named 'Hey Aisera'. The app details include: Language: English, Created on: 02/03/2022 10:05 pm, ID: 2. The 'Integration Information' section shows the App Token and Token Details. The 'Data Sources (105)' section lists various data sources like 'Adobe Rendering (C H Robinson)', 'Aisera - Terraform Connector', 'Aisera Datadog Pull Alerts', 'Aisera JSD IT Tickets', 'Aisera JSD IT Users', 'Aisera Kibana', and 'Aisera SNOW 2785'. An 'Edit Aisera App' dialog box is open in the foreground, showing the following configuration: Name: Hey Aisera, Domain: Select Domain, Domain Display Name: (empty), Language: English, Channels Survey: , Enable KB Translation: , Notification Channels: All Channels, Transcript Date Format: MM/dd/yyyy hh:mm:ss a z, Unhandled Requests Analytics: , NLU Policy: ["IntentClassifier"], Enable Request Analyzer: . The dialog has 'Cancel' and 'OK' buttons at the bottom right.



- Create and configure an event listener channel as below:
 - Capability: Set to **Generic Event**
 - Integration: This should be set to the integration of the data source.
 - Generic Event: This should be what's set in the url:
<https://dev4.api.aws-006-us-west-2.aisera.cloud/webhook/v1?Authorization=Basic<AUTH>&x-app-token=<Token>&x-aisera-event=getTerraformEvent&x-aisera-event-category=Generic> .
 - Policy: You can apply a different email for receiving notifications.
 - Flow: Choose the flow of the app (the default flow) that will be triggered.



5. Create a run task in Terraform Cloud:

- Sign in to Terraform Cloud with a user that has permissions to manage run tasks.
- Open the Select your Organization
- From Left side Menu Select **Settings > Run Tasks > Click "Create run Task"**
- Create the run task as follows:
 - Select the **Enabled** checkbox.
 - Enter a Name for the run task (e.g, AiseraRunTask)
 - Copy and paste the Endpoint URL value like below:
 - <https://dev4.api.aws-006-us-west-2.aisera.cloud/webhook/v1?Authorization=Basic<AUTH>&x-app-token=<Token>&x-aisera-event=getTerraformEvent&x-aisera-event-category=Generic>
 - (Optional) Enter a Description.
 - Click **Create run task**.



6. Associate the run task with a workspace:

- Click **Workspaces**, and then click the workspace you want to monitor.
- On the left-hand menu, click **Settings**.
- Under Workspace Settings, click **Run Tasks**.
- Under Available Run Tasks, click on the plus (+) sign next to the run task you created for Aisera to add it to the workspace.
- Associate the run task by following these steps:
 - Under Run stage, select **Post-plan**.
 - Under Enforcement Level, select one of the following:
 - **Advisory**. If the task fails, the run will proceed with a warning, but will not prevent the run from completing.
 - **Mandatory**. If the task fails (including a timeout or unexpected remote error condition), the run will display a warning, and the run will stop.
- Click **Create**

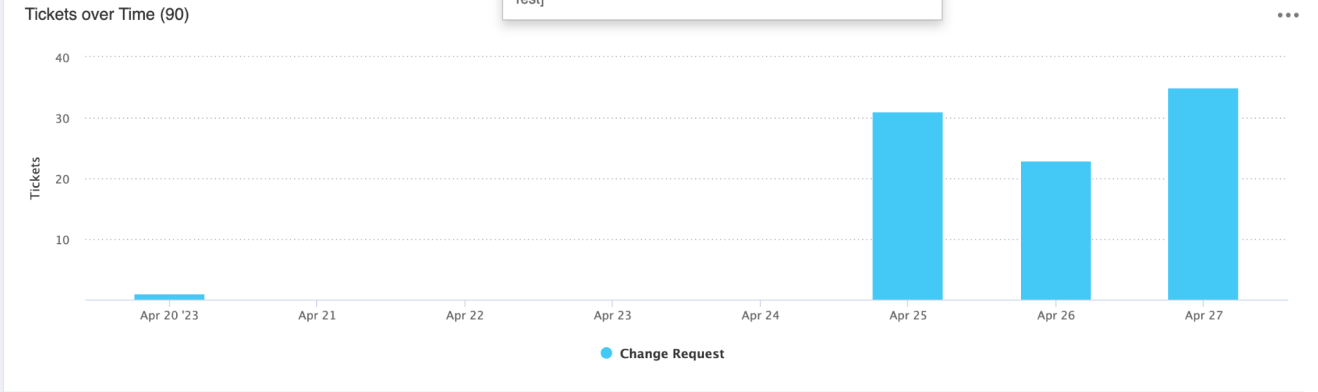
7. Upon running the “terraform plan” command, plan details will be sent to the Aisera platform.

8. To view Major Incidents detected and logged by Aisera in the form of tickets:

- From Aisera menu, select **Tickets > Select Data Source and Date Range**. The page should look like below:



Data Source: [Aisera Kibana Test Logs, Terraform Webhook Test]



Tickets (90)

| ID | Title | Account | Escalation Status | Priority | Created on | Score |
|----------------------|-------------------|---------|-------------------|----------|--------------------|-------|
| run-1YK1QGd2MPzURrP2 | Triggered via CLI | | | | 27/04/2023 3:32 am | - |
| run-jwxexLhJKU8W6d8N | Triggered via CLI | | | | 27/04/2023 3:26 am | - |
| run-gL5qLQrDjLsZyeuN | Triggered via CLI | | | | 27/04/2023 3:24 am | - |
| run-UN3BuX3Bm2jRAFHN | Triggered via CLI | | | | 27/04/2023 3:21 am | - |
| run-kRGsgkeC9S7ozuEu | Triggered via CLI | | | | 27/04/2023 3:20 am | - |

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