Setup Your Events Solution

Here, we will go through steps that will demonstrate how users can quickly import and configure the outlined cloud event application (TCE) in the previous section.

TIBCO Cloud Events (TCE) Applications

The TIBCO Cloud Events application will be found under **~/../src/TCE/**

Incident_Feed_Processing/Alert_Processing

Open the application in TCE studio and make below changes to the application to make it work in your TCE subscription.

- ❏ Expand the Channels directory and open the channel '**TCM.channel**' and update properties URL and Authentication Key as per your subscription details. You need to update the Global Variables TCM_URL & TCM_AUTH_Key available under group TCM_Connection.
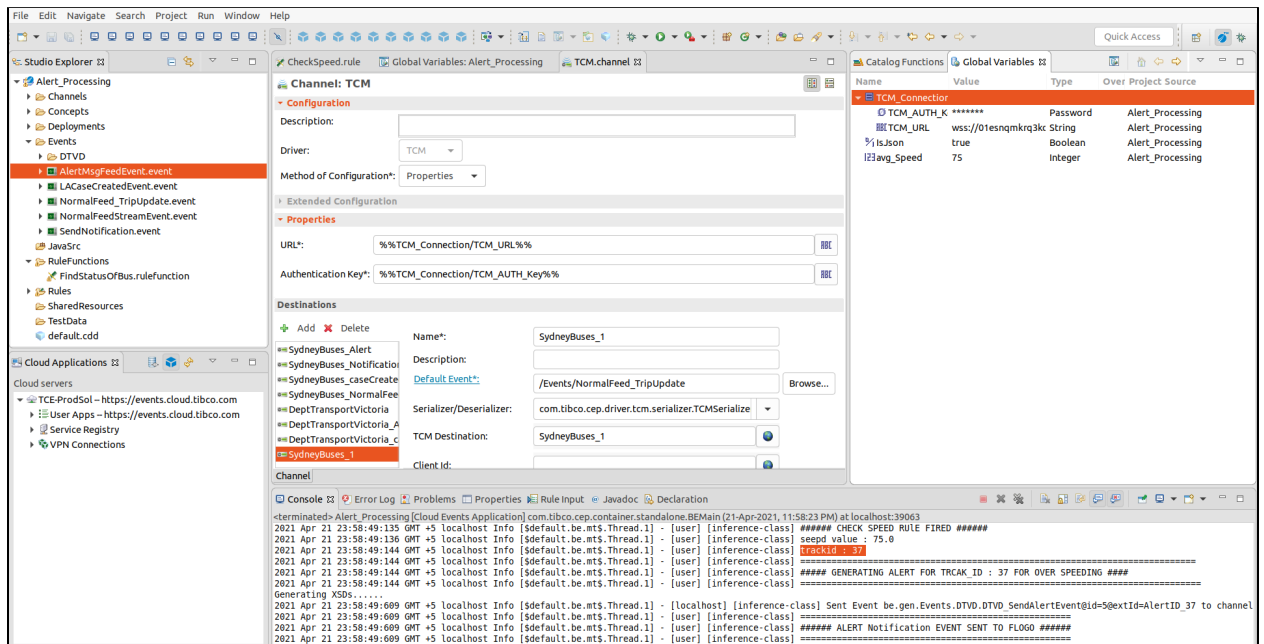
- ❏ Clean and validate the application to find if there is any error.
- ❏ Create a new EAR (Enterprise Archive) file for application.

❏ You can test the application in debug/run mode in Studio itself to verify if there is any issue before deploying it to the Cloud Platform.
❏ To debug or run the application you can create or use configuration similar to below one
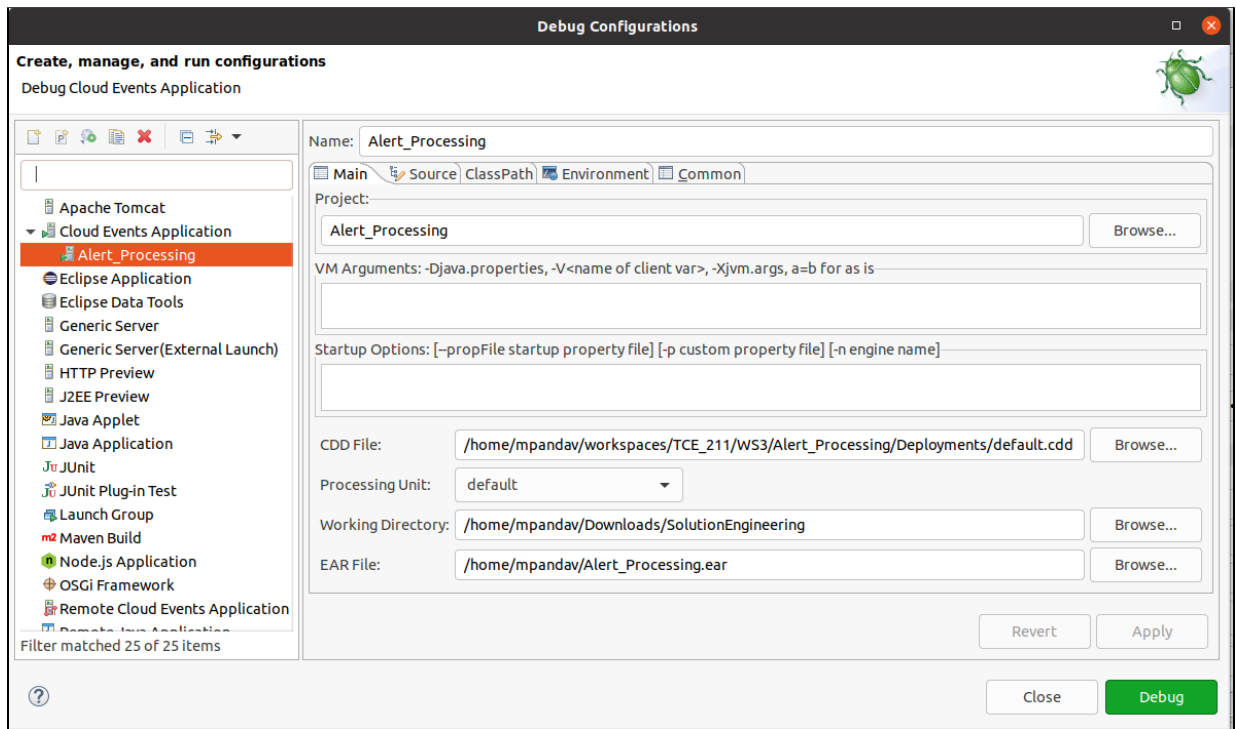
❏ Once the application runs successfully, you can push the application to TIBCO Cloud Events using either the studio option or command line interface or from the UI option available. The choice is yours.

❏ We're pushing the application from the Studio option for now. Right Click on application Name and Select Push to cloud.

❏ Verify all the parameters mentioned on the Pop-up window and Click Next
❏ On the next pop-up window, select appropriate subscription and TCE cloud Server, Target Sandbox where you want to deploy the application, the cdd file that you want to use to run the application and application size (select default for

our deployment).

| **Push TCE Application to the Cloud** | | □ ✕ |

TCE Application Details
Select the target cloud server details and press Finish to push the application

Target TCE Cloud Server	TCE-ProdSol ▾
Target sandbox	milind ▾
Cluster Configuration File:	Deployments/default.cdd ▾
Application Size:	Small (1 processor, 4GB) ▾

Enter web-root directory (optional): [   ] Browse...
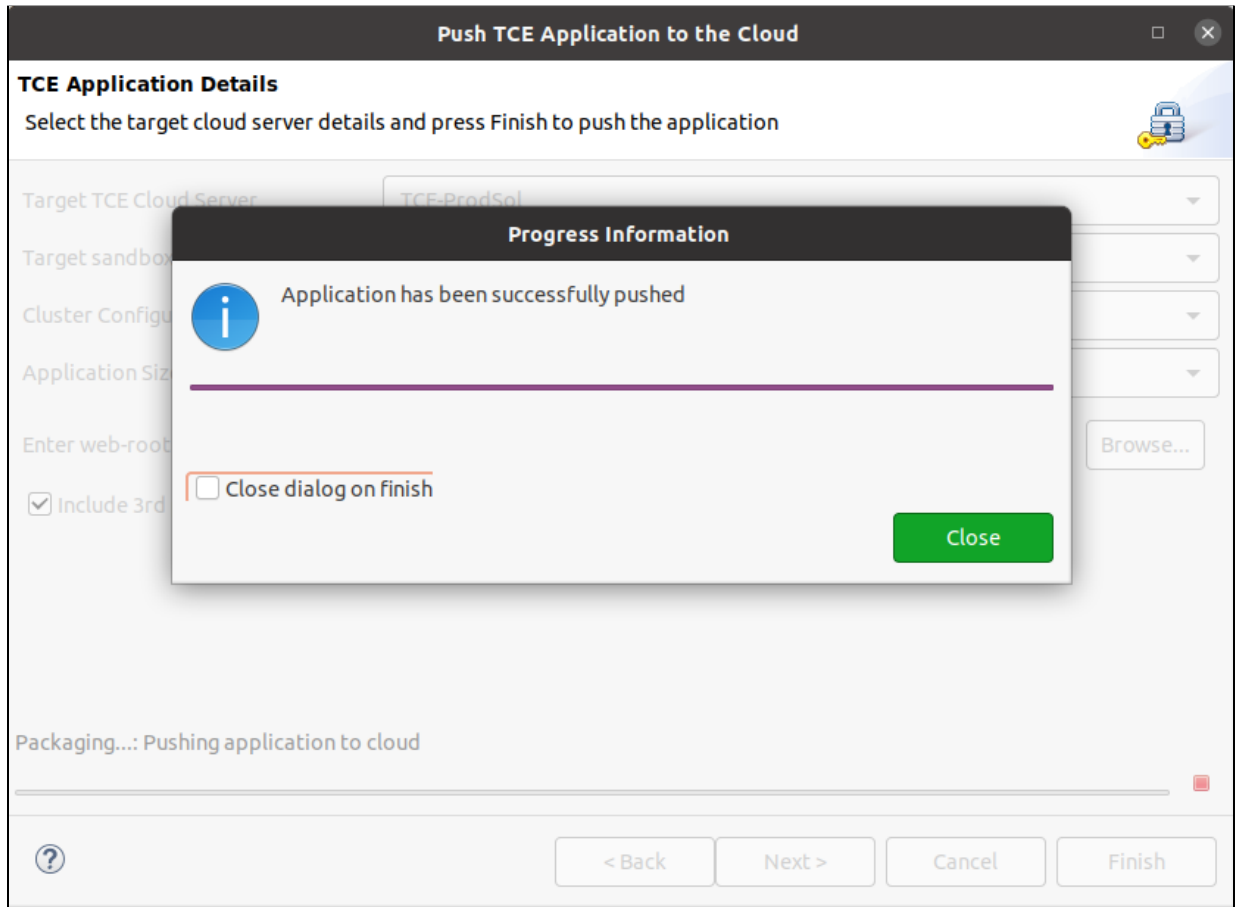
☑ Include 3rd party and custom function jars

ⓘ   < Back   Next >   Cancel   **Finish**

❏ Click Finish and you will see the progress of deployment. If successfully done, you will be prompted with message pop-up.

❏ You also can update/change the global variables TCM_URL & TCM_AUTH_Key either in a studio or post deployment using TIBCO Cloud Events UI option.
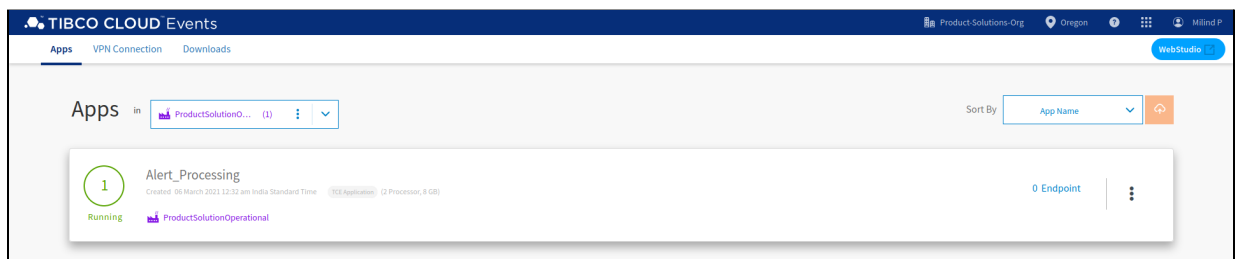

❏ Now, you can see the application in TCE UI as well and can perform different operations (start, stop or promote to Operational Sandbox,etc.)

❏ You can check the application status and metrics as well as real-time logs.
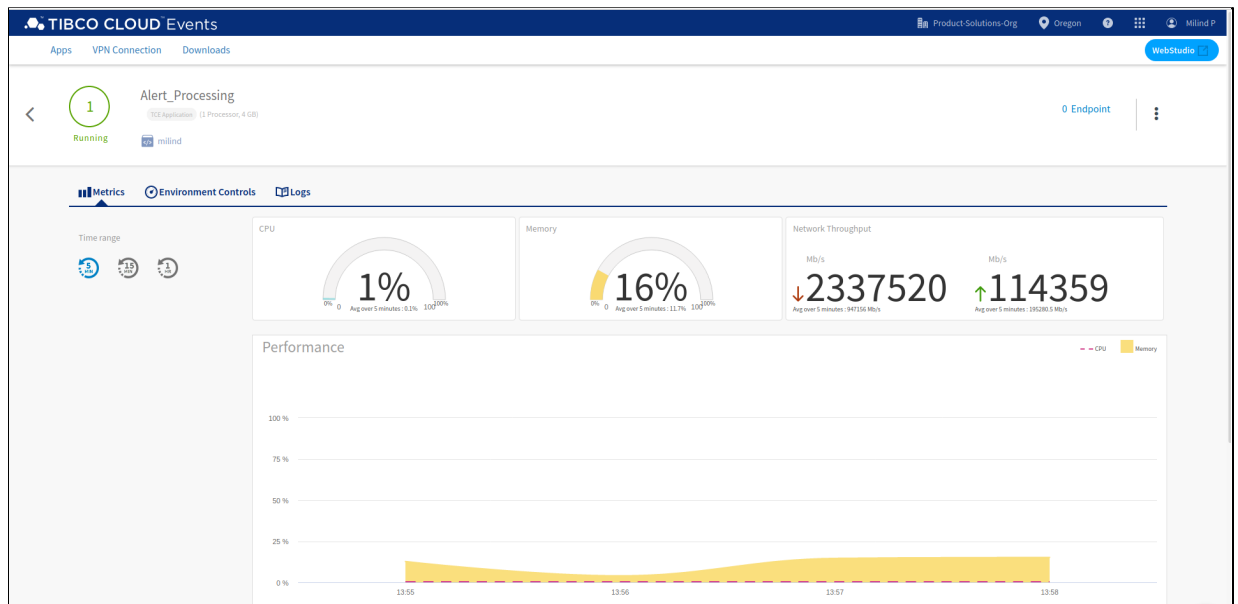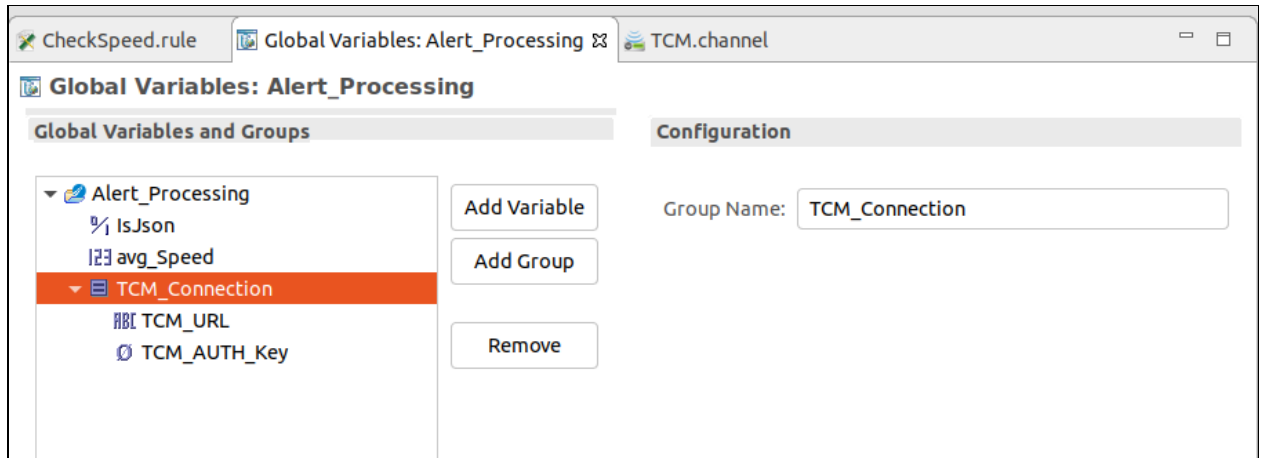

❏ Also, you can promote the application to an operational sandbox for production use.

Global Variables

We have used below global variables in our application, you need to update each of them to run the app smoothly into your env.

TCM_Connection group:
It contains the necessary details to connect with TIBCO Cloud Messaging (eFTL) from TIBCO Cloud Events.

Avg_speed:
This variable is of type Integer used to store the threshold value of vehicle speed used in the Non-GTFS use-case (Sydney Harbour Bridge). Once the threshold is breached the TIBCO Cloud Events generate the Alert notification to TCI-Flogo application.

NOTE: You need to make sure that you have only one instance of the application running at a given time, else you'll have unknown behavior (message loss, duplication of incidents,etc.)