SOLACE QUEUE PRODUCER SIMULATOR (FOR TESTING)

1. Focus

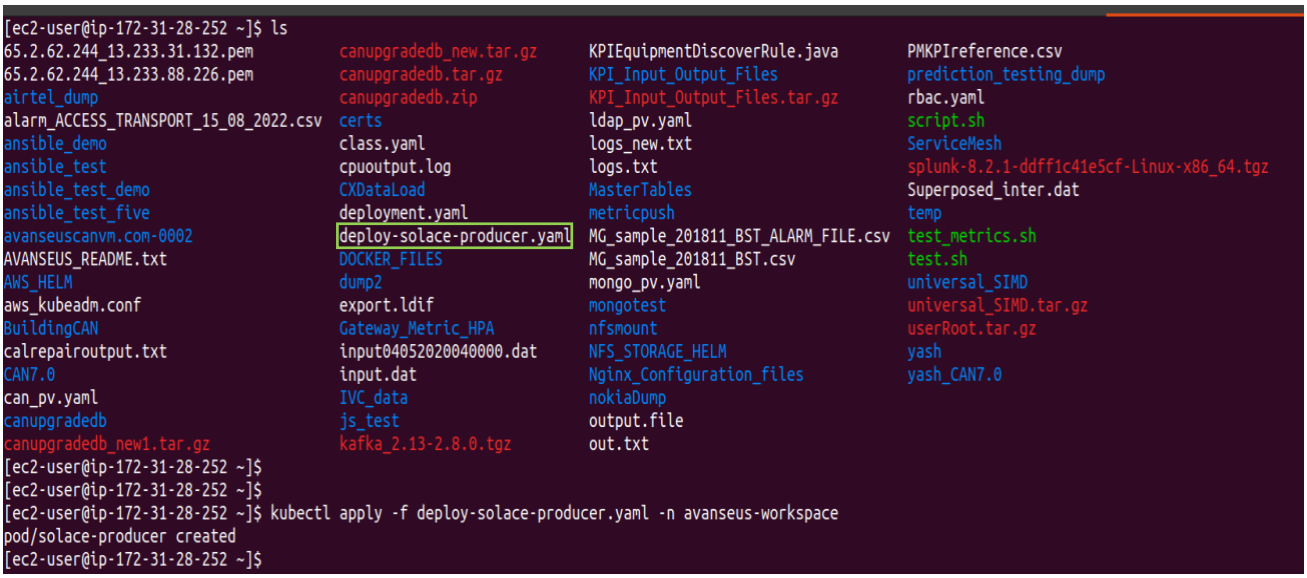
This document focuses on producing alarm data for testing purpose of solace interface on the test server in data collection and configuration.

2. Steps to produce alarm data

The below steps include starting a Kubernetes pod on the test server which pushes alarm data to the solace-event-broker, and terminating the pod.

Step 1. Starting the pod: To start the pod, we need to run the **deploy-solace-producer.yaml** file on the test server. To run this file execute the following command:

kubectl apply –f deploy-solace-producer.yaml -n avanseus-workspace



Upon running the command above, the solace-producer pod will be initiated, and 1000 records of alarm data will be pushed at the beginning of every minute to solace-event-broker at IP:Port - 10.107.62.188:55555.

```
[ec2-user@ip-172-31-28-252 ~]$ kubectl get pods -n avanseus-workspace
NAME                                READY   STATUS    RESTARTS   AGE
ansibleprocessor-7d58d75df6-lgr2v   2/2     Running   4          153d
batch-54b44c58fc-b2tjg              2/2     Running   14         153d
bcxp-75f8f65b77-qvzs4               2/2     Running   2          127d
can-79777d8d8b-m584m                2/2     Running   0          17h
controller-bd88f5db6-4qmpd          2/2     Running   0          124d
jsprocessor-7696f9c76f-xn4zc        2/2     Running   0          40m
ldap-85fc5bd785-9vqb8               2/2     Running   4          153d
memcached-796f78c8d8-pnqrl          2/2     Running   0          17h
mongo-0                             2/2     Running   0          124d
opendjladp-5459fd8579-4mnfj         2/2     Running   14         153d
pcp-5b654bd96f-bc269                2/2     Running   0          23d
pythonprocessor-6486fc77b6-knq22    2/2     Running   4          153d
record-68875c7cd5-b7l69             2/2     Running   2          70d
rtrca-7cb5fb9d5b-c5k6h              2/2     Running   2          32d
sermetricspusher-796866866-w5stf    2/2     Running   0          103d
solace-event-broker-0               2/2     Running   1          76d
solace-producer                     2/2     Running   0          20s
vbi-566875dcc9-tm7p5                2/2     Running   4          153d
worker-56b6d6dcbc-6zgt2             2/2     Running   0          70d
worker-56b6d6dcbc-w8t7w             2/2     Running   0          70d
worker-56b6d6dcbc-wkl7z             2/2     Running   2          70d
[ec2-user@ip-172-31-28-252 ~]$
```

Step 2. Terminating the pod: Once the required number of test data has been pushed, the solace-producer pod must be terminated to prevent it from pushing data every minute to the solace-event-broker. To terminate the pod, execute the following command:

kubectl delete pods solace-producer -n avanseus-workspace

```
[ec2-user@ip-172-31-28-252 ~]$
[ec2-user@ip-172-31-28-252 ~]$ kubectl delete pods solace-producer -n avanseus-workspace
pod "solace-producer" deleted
[ec2-user@ip-172-31-28-252 ~]$
```