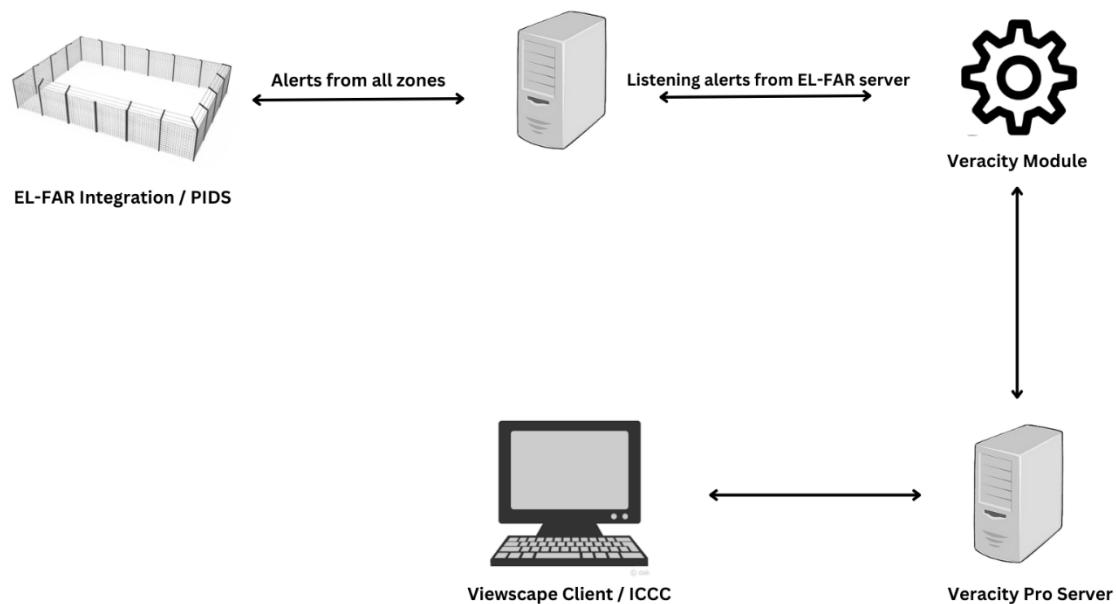


Veracity ELFAR Integration

This Document will guide you step by step on how to configure ELFAR with Veracity's Viewscape Software

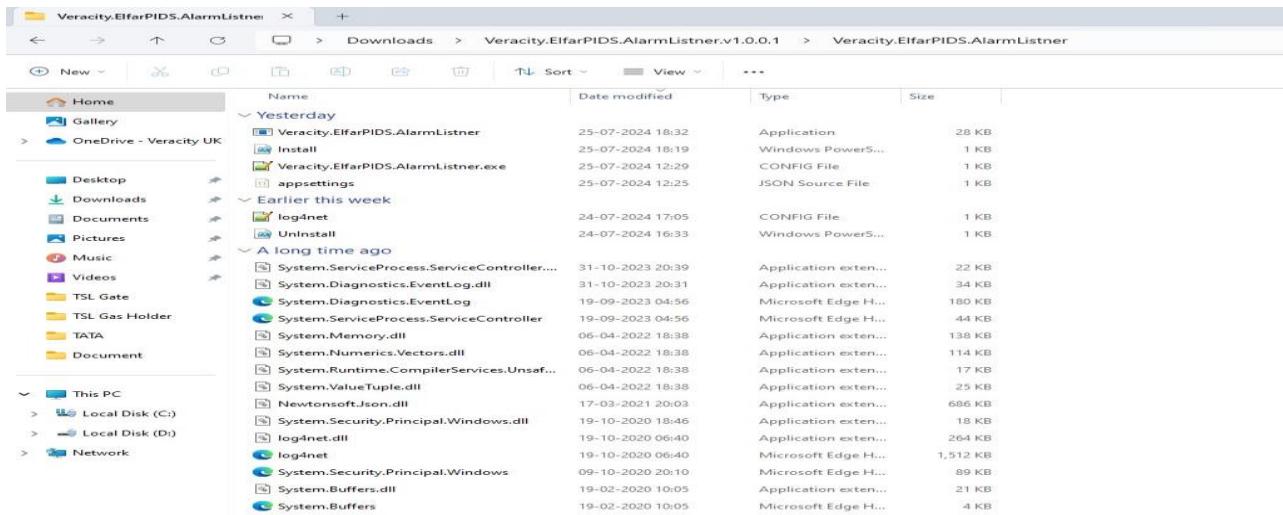
Pre-requirement

- ELFAR API/SDK
- Veracity ELFAR/PIDS Module
- Configured Viewscape



Architecture diagram of integration from EL-FAR to Viewscape

Step-1: Download the veracity module (Veracity.ElfarPIDS.AlarmListener) and extract the files. The files will look like the image below. Create a service for this module in windows services. Now right click on **Appsettings.json** file and open it in notepad. We need to Add **Pro Server IP**, **Pro Server Axis Port**, **Elfar IP**, **Elfar Port** in the appsettings.json file. Refer to the images below

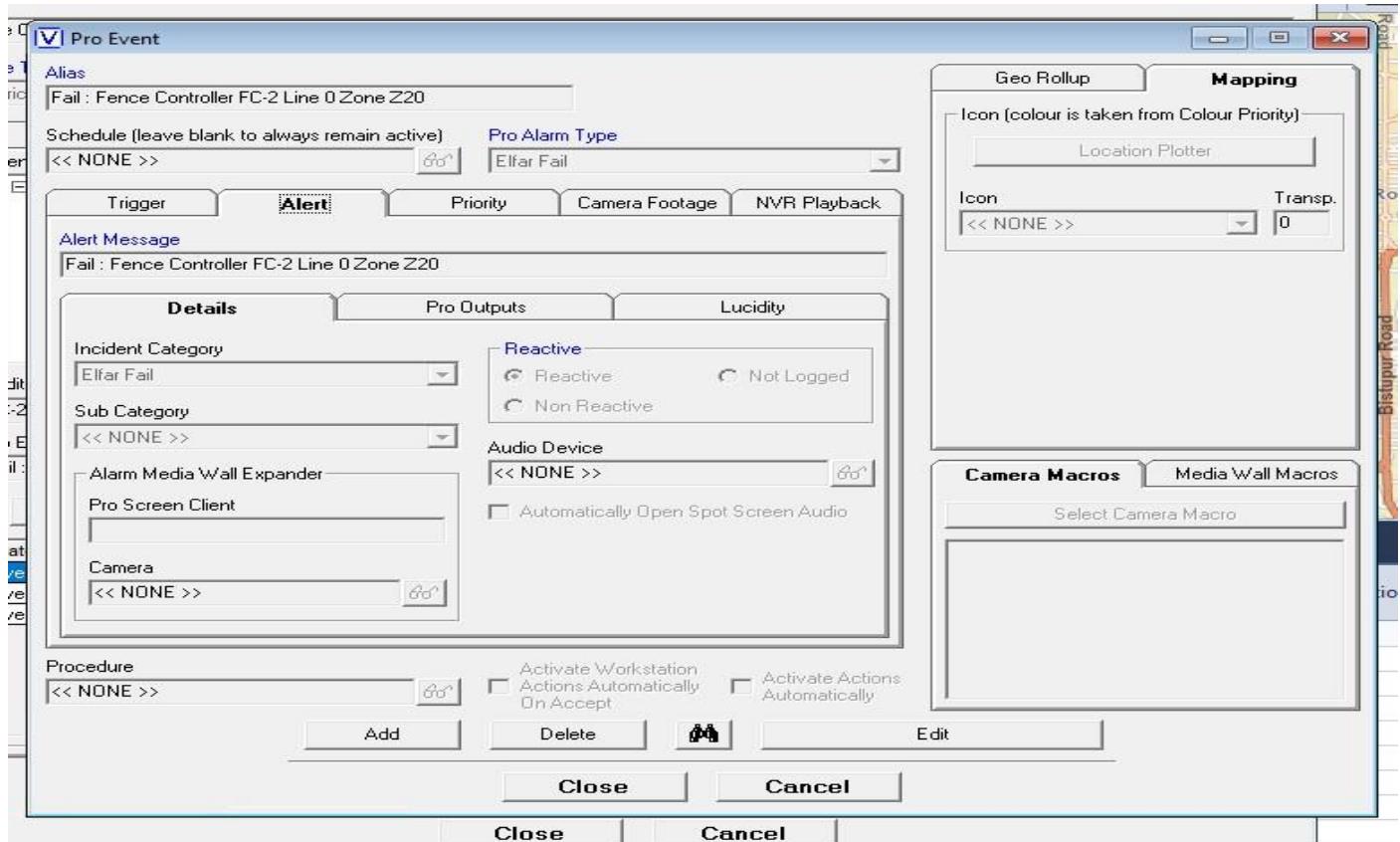


```
{} appsettings.json X
C: > Users > Veracity-IND-Veer > AppData > Local > Temp > c14160d4-d18f-4f11-974a-39c9e96bc7c9_Veracity.ElfarPIDS.AlarmListner.v1.0.0.1.zip.7c9 > Veracity.ElfarPIDS.AlarmListner > {} appsettings.json > ...
1 {
2   "proserverip": "127.0.0.1",
3   "proserveraxisport": "7777",
4   "ElfarIp": "127.0.0.1",
5   "ElfarPort": "2024"
6 }
7
```

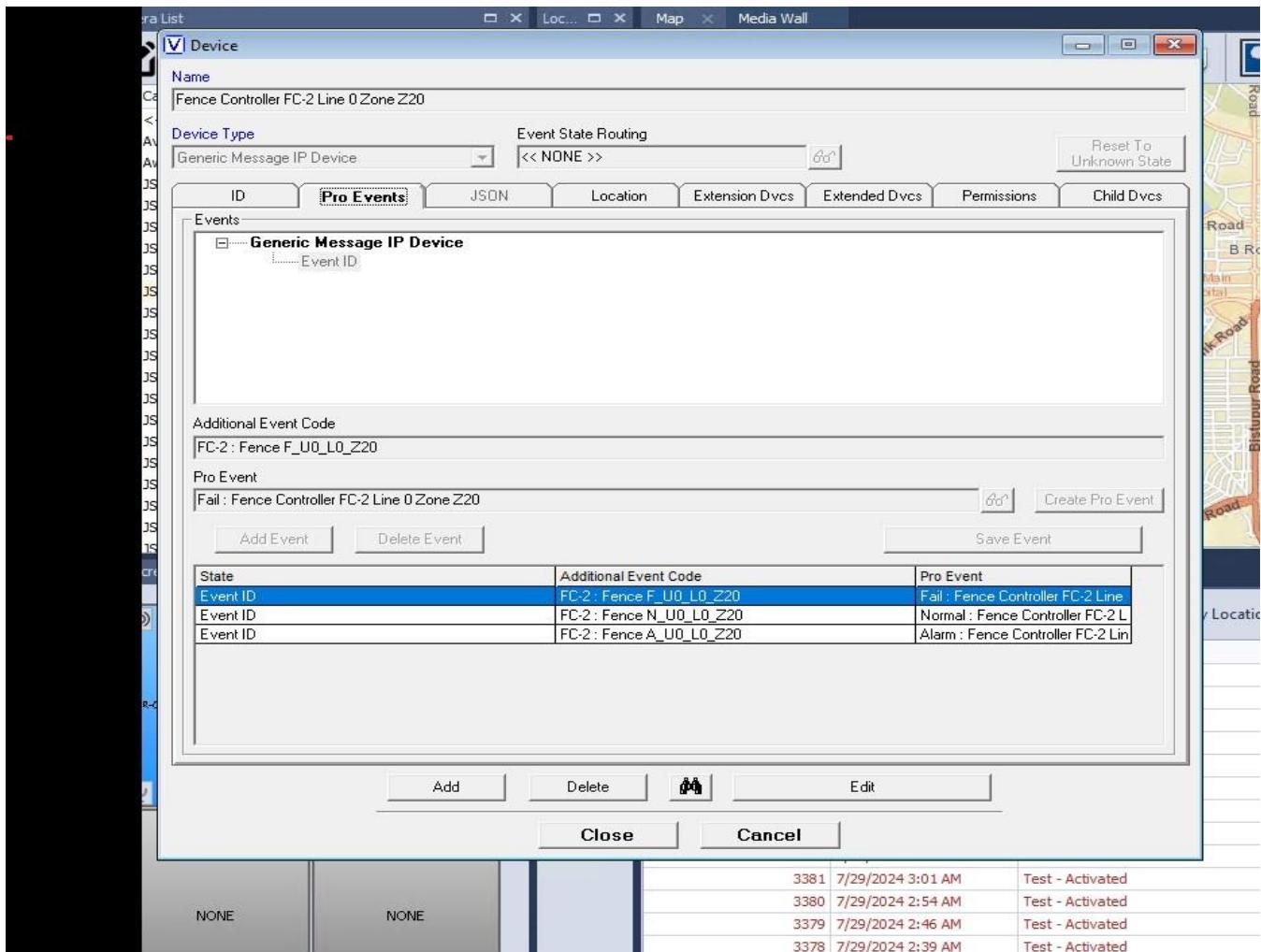
Step-2: Now run the veracity module application (Veracity.ElfarPIDS.AlarmListener). If all the configuration is right, you should see alert messages in the alarm listener module. Refer to the image below.

```
C:\Users\admin\Downloads\Veracity.ElfarPIDS.AlarmListner\Debug\Veracity.ElfarPIDS.AlarmListner.exe
2024-07-26 16:24:54,841 DEBUG Veracity.ElfarPIDS.AlarmListner - Parsing messageIN,F,5,N,1,[Metadata:FC-13 : [Input] I_U1_I5]
2024-07-26 16:24:54,843 DEBUG Veracity.ElfarPIDS.AlarmListner - Sending message: axe,FC-13 : Input I_U1_I5@ to Proserver
2024-07-26 16:24:55,487 DEBUG Veracity.ElfarPIDS.AlarmListner - Elfar Message Received
2024-07-26 16:24:55,487 DEBUG Veracity.ElfarPIDS.AlarmListner - Parsing messageIN,N,5,N,1,[Metadata:FC-13 : [Input] I_U1_I5]
2024-07-26 16:24:55,489 DEBUG Veracity.ElfarPIDS.AlarmListner - Sending message: axe,FC-13 : Input I_U1_I5@ to Proserver
2024-07-26 16:24:58,534 DEBUG Veracity.ElfarPIDS.AlarmListner - Elfar Message Received
2024-07-26 16:24:58,535 DEBUG Veracity.ElfarPIDS.AlarmListner - Parsing messageIN,F,5,N,1,[Metadata:FC-13 : [Input] I_U1_I5]
2024-07-26 16:24:58,537 DEBUG Veracity.ElfarPIDS.AlarmListner - Sending message: axe,FC-13 : Input I_U1_I5@ to Proserver
2024-07-26 16:24:58,865 DEBUG Veracity.ElfarPIDS.AlarmListner - Elfar Message Received
2024-07-26 16:24:58,866 DEBUG Veracity.ElfarPIDS.AlarmListner - Parsing messageIN,N,5,N,1,[Metadata:FC-13 : [Input] I_U1_I5]
2024-07-26 16:24:58,867 DEBUG Veracity.ElfarPIDS.AlarmListner - Sending message: axe,FC-13 : Input I_U1_I5@ to Proserver
2024-07-26 16:24:59,872 DEBUG Veracity.ElfarPIDS.AlarmListner - Elfar Message Received
2024-07-26 16:24:59,873 DEBUG Veracity.ElfarPIDS.AlarmListner - Parsing messageIN,F,5,N,1,[Metadata:FC-13 : [Input] I_U1_I5]
2024-07-26 16:24:59,875 DEBUG Veracity.ElfarPIDS.AlarmListner - Sending message: axe,FC-13 : Input I_U1_I5@ to Proserver
2024-07-26 16:25:00,565 DEBUG Veracity.ElfarPIDS.AlarmListner - Elfar Message Received
2024-07-26 16:25:00,566 DEBUG Veracity.ElfarPIDS.AlarmListner - Parsing messageIN,N,5,N,1,[Metadata:FC-13 : [Input] I_U1_I5]
2024-07-26 16:25:00,569 DEBUG Veracity.ElfarPIDS.AlarmListner - Sending message: axe,FC-13 : Input I_U1_I5@ to Proserver
```

Step-2: Configuring alarms in Veracity. Create a Pro Event in Viewscape (Admin-Command & Control-Device state Routing-Pro Event). In pro Event information panel, add name for the event, add pro alarm type, in alert tab, add alert message, add incident category, select the type of alert (Reactive, Non-Reactive, Not Logged). Save the setting and close the information panel. Refer to the image below.



Step-3: Configuring alarms in Veracity. Create a device from the device panel. In device type select **Generic Message IP Device**. Select **Pro Events tab**, click Event ID, Add Additional Event Code (Refer to ELFAR document for this). Create a Pro Event and then add the event. Refer to the image below.



Step4: The integration with viewscape is successful. Restart the software and pro server and you should be able to see alerts in the alerts bar. **For configuring the Event ID, Names and Pro Event details refer to the document given by ELFAR**

Examples for Additional Event Code.

- **FC-13 : Fence F_U0_L0_Z44** -- Controller 13 fence, Fail, Unit 0, Line 0, zone 44
- **FC-13 : Fence A_U0_L0_Z44** -- Controller 13 fence, Alarm, Unit 0, Line 0, zone 44
- **FC-13 : Fence N_U0_L0_Z44** -- Controller 13 fence, Normal, Unit 0, Line 0, zone 44