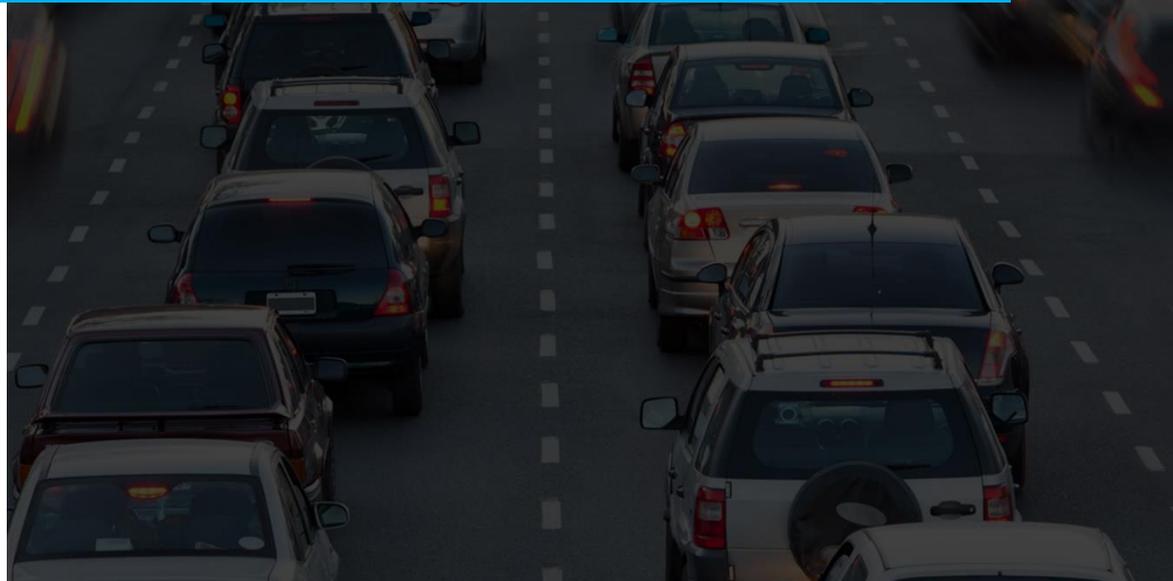


# SecuPlate XProtect<sup>®</sup> Alert Integration User Manual



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## **1. About this Manual**

Welcome to the SecuPlate XProtect® Alert Integration User Manual. This manual is designed to walk you through the process of installing, configuring and using the SecuPlate XProtect Alert Integration feature.

### **1.1 Pre-requisites**

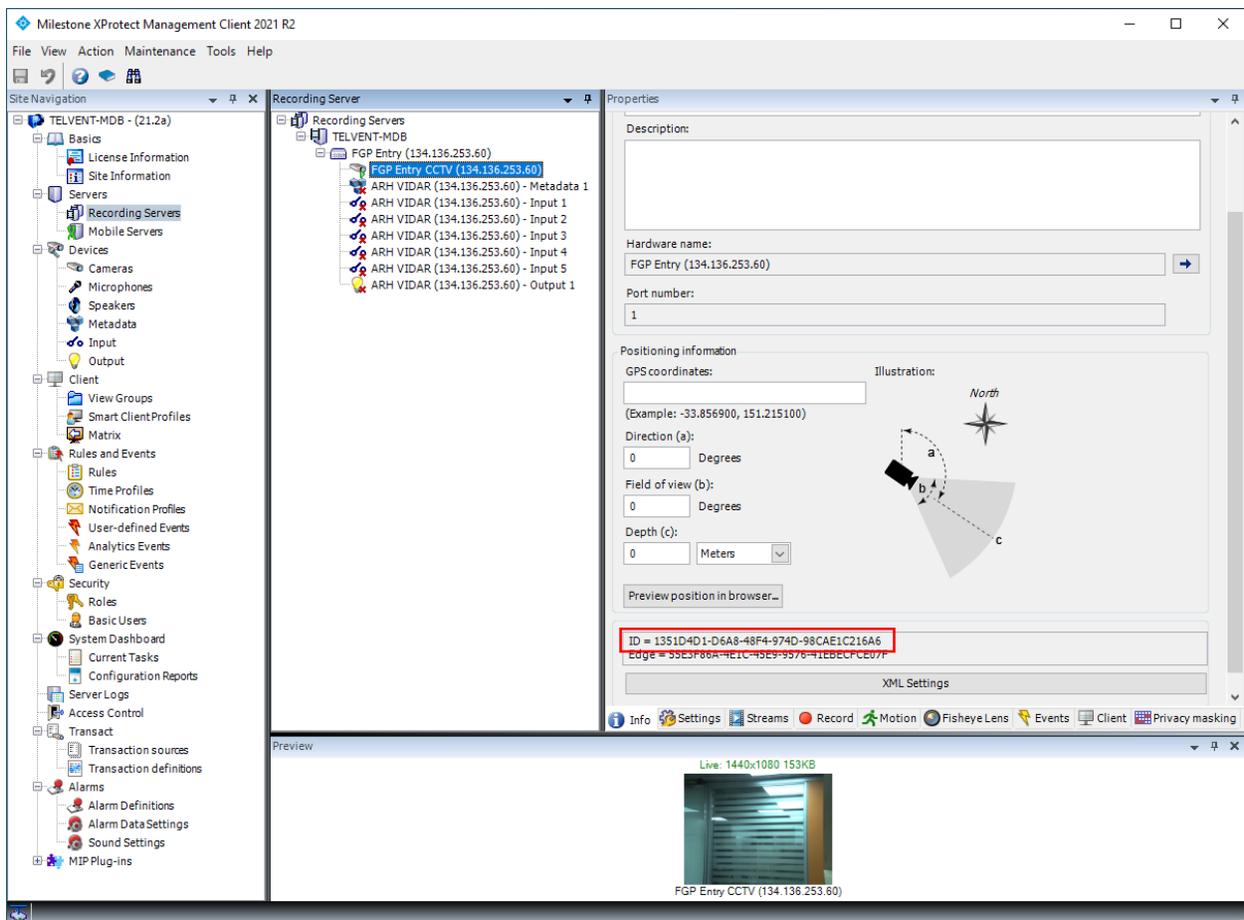
1. Milestone XProtect VMS version 2021 R2
2. ForeVision SecuPlate version 21.2

## **2. Configurations in Milestone XProtect Management Client**

To let SecuPlate successfully transfer the vehicle alerts to XProtect, first there is need to add the Source Cameras, Analytics Events and Alarm Definitions in XProtect. Follow below steps if such definitions are not created in XProtect.

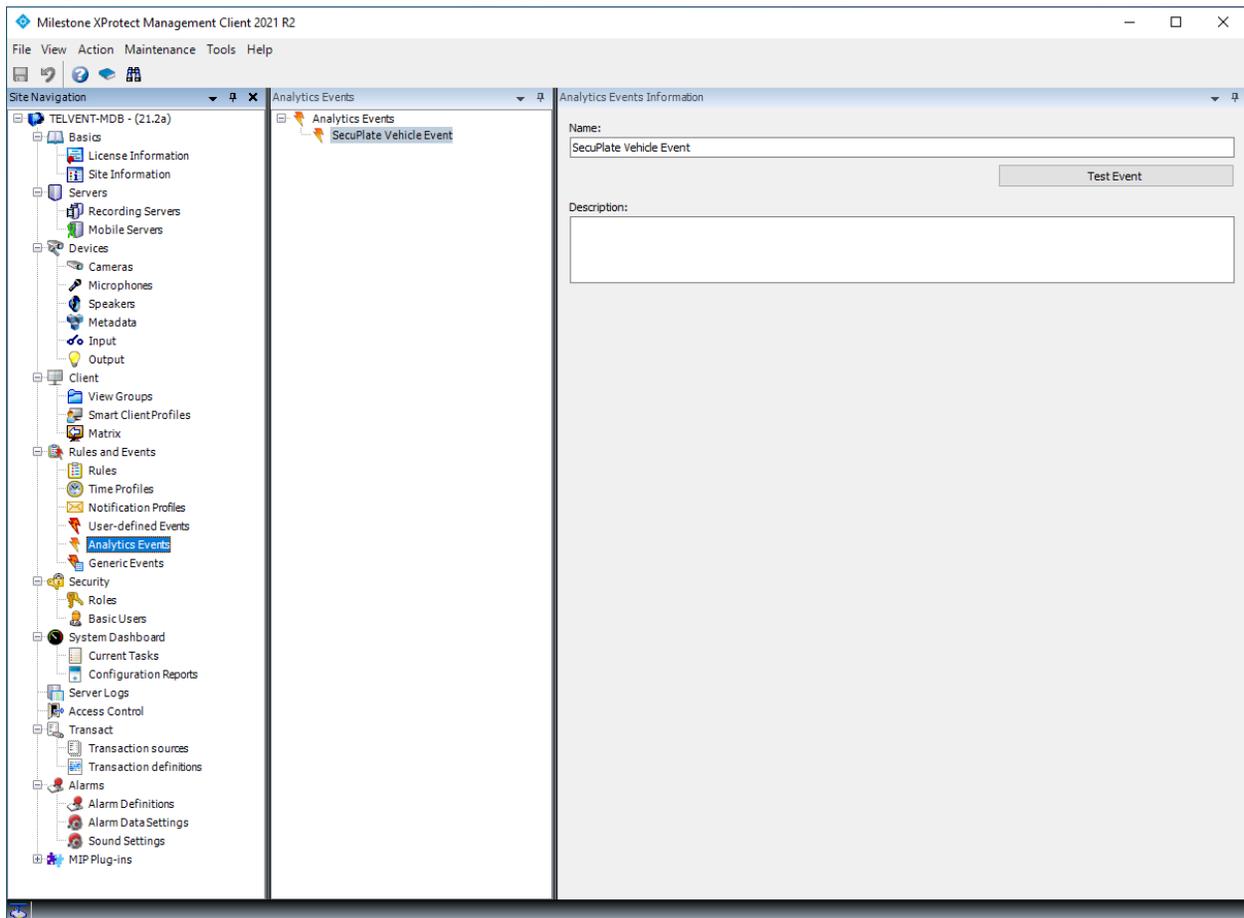
## 2.1 Adding Camera

1. Make sure the camera is switched-on and available on the network.
2. In the **Site Navigation** pane, expand **Servers**, right-click **Recording Servers** and select **Add Hardware**.
3. Select one of the wizard options and follow the instruction on the screen. After completing the wizard, you can see the camera under the recording server.
4. Note down its **GUID** (Globally Unique Identifier). This value will be entered in SecuPlate Web Application while configuring the integration. To see the GUID, select the XProtect Recording Server where the camera has been added, and then select the camera. Click the **Info** tab, press and hold Ctrl on your keyboard, and then click the camera's video preview.



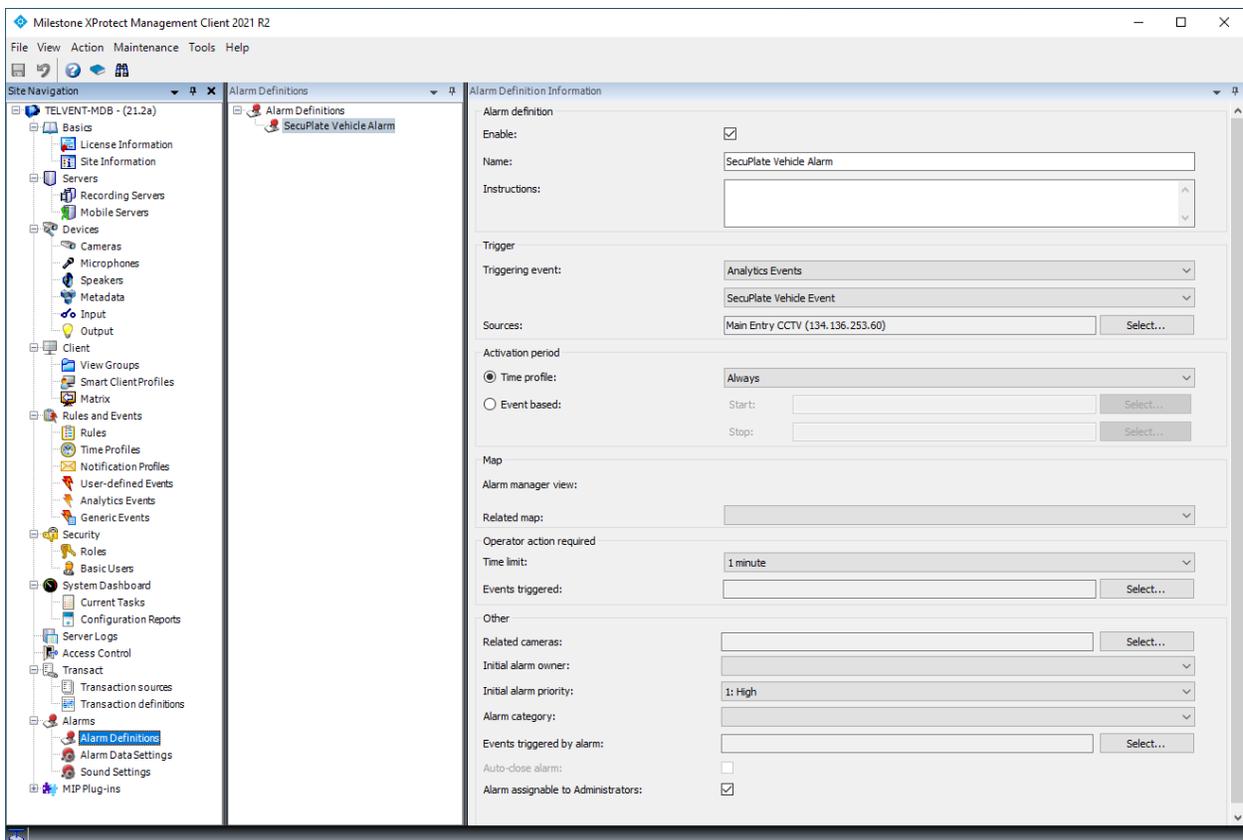
## 2.2 Adding Analytics Event

1. In the **Site Navigation** pane, expand **Rules and Events**, right-click **Analytics Events** and select **Add New**.
2. In the **Properties** window, enter a name for the event in the **Name** field.
3. Enter a description text in the **Description** field if needed.
4. In the toolbar, click **Save**.
5. Note down the event name. This value will be entered in SecuPlate Web Application while configuring the integration.



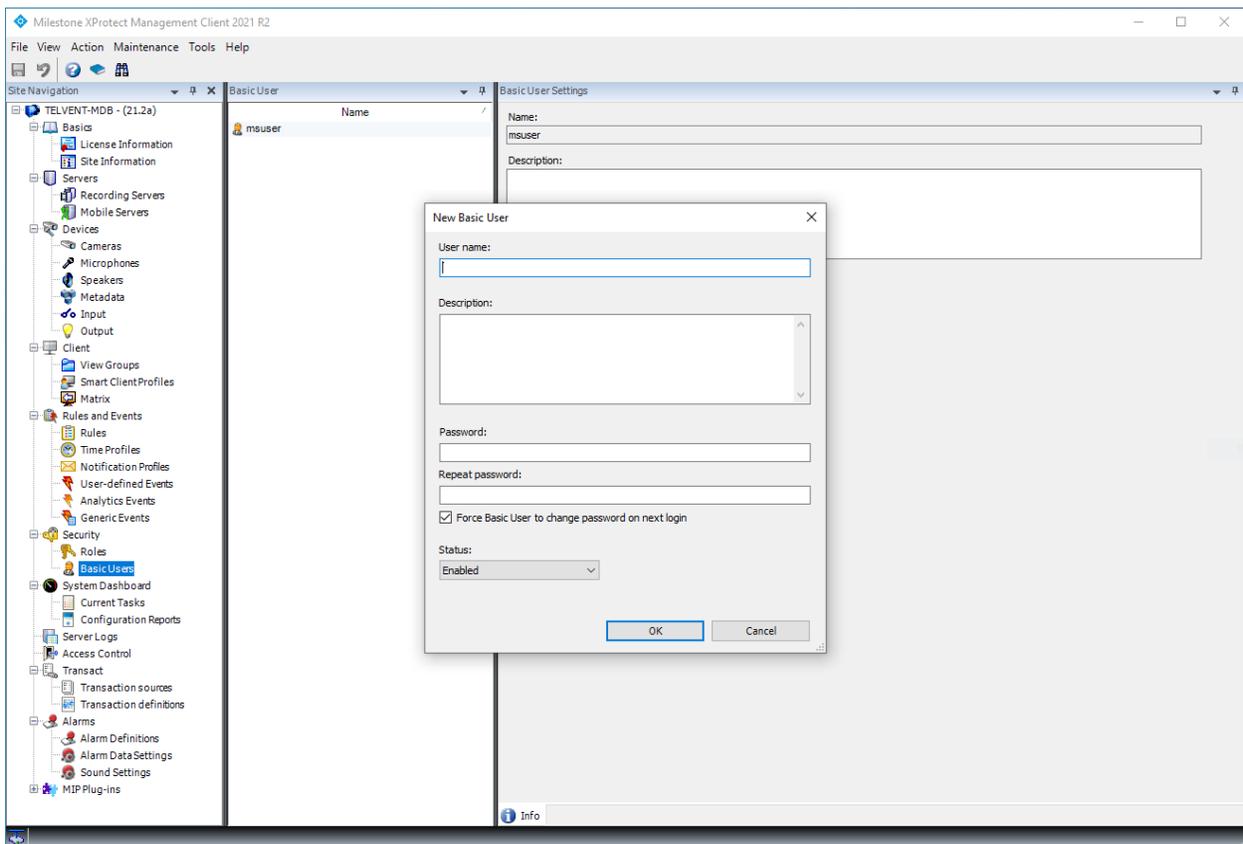
## 2.3 Adding Alarm Definition

1. In the **Site Navigation** pane, expand **Alarms**, right-click **Alarm Definitions**, select **Add New**.
2. In the properties window, enter a name for the alarm in the **Name** field.
3. **Triggering event**: Open the drop-down list, select **Analytics Event**. The names of existing Analytics Event will appear in another list. Select an Analytics Event which is related to SecuPlate.
4. **Sources**: Select the camera, the event should originate from to trigger the alarm.
5. Other options, you may keep to their default. Please consult XProtect user manual for the detailed understanding of these options.
6. In the toolbar, click **Save**.



## 2.4 Adding Basic User

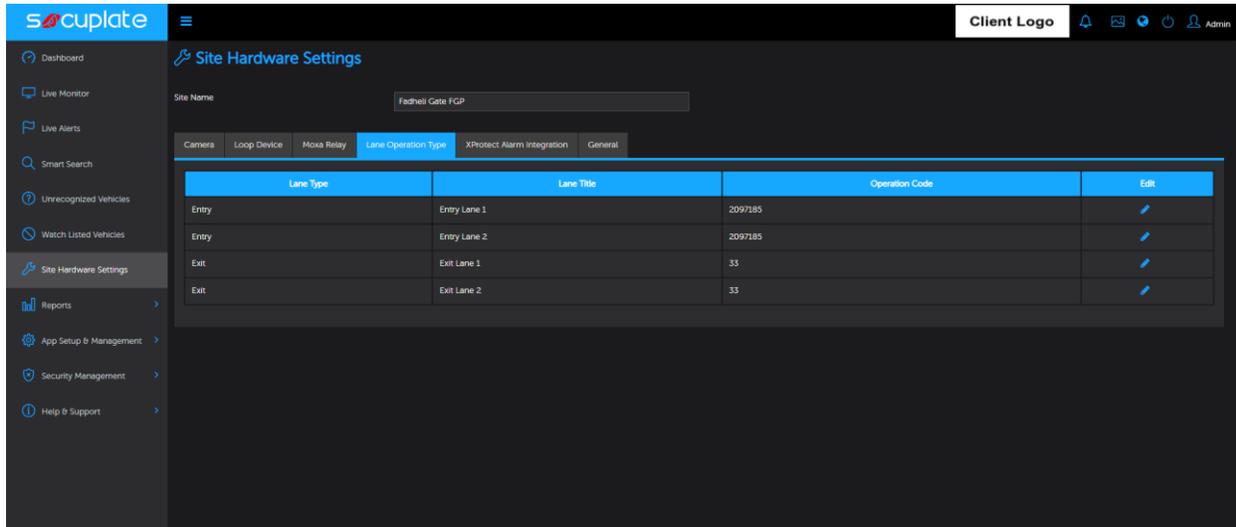
1. In the **Site Navigation** pane, expand **Security**, right-click **Basic Users**, select **Create Basic User**.
2. Specify a user name and a password, and repeat it to be sure you have specified it correctly.
3. Clear the check box for changing the password on next login.
4. Make sure the status is selected as **Enabled**. Click **OK**.
6. Note down the credentials of this user. This information will be used while installing and configuring the alert integration service.



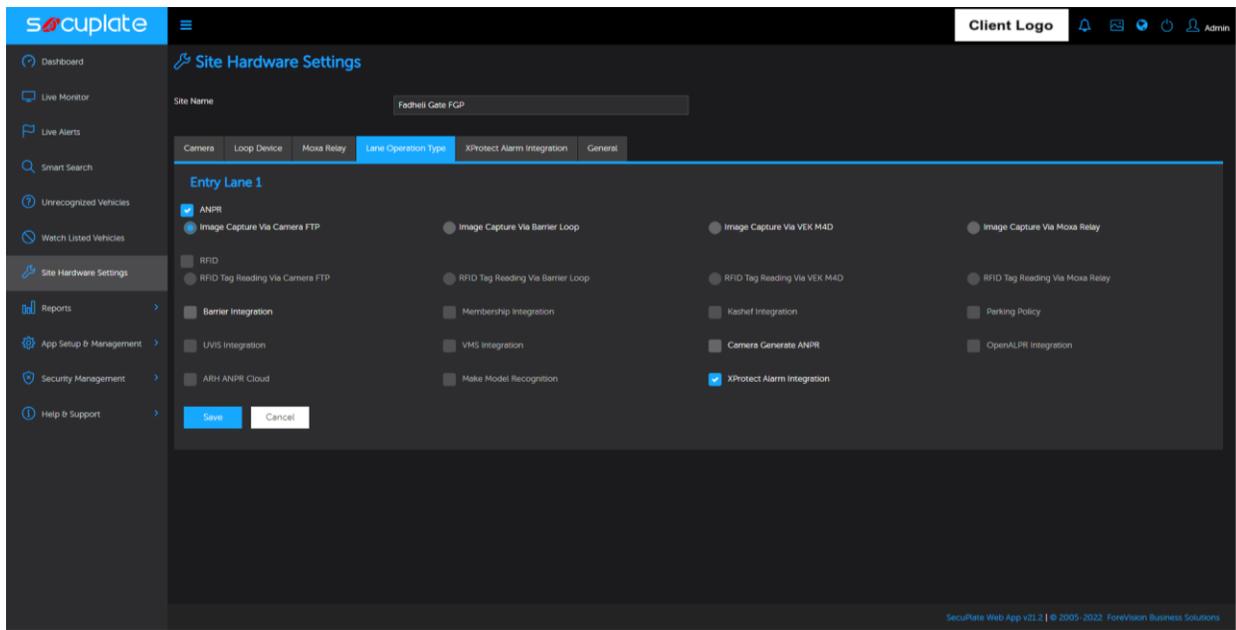
### 3. Configurations in ForeVision SecuPlate Web App

#### 3.1 Entering XProtect Analytics Event and Source Camera ID

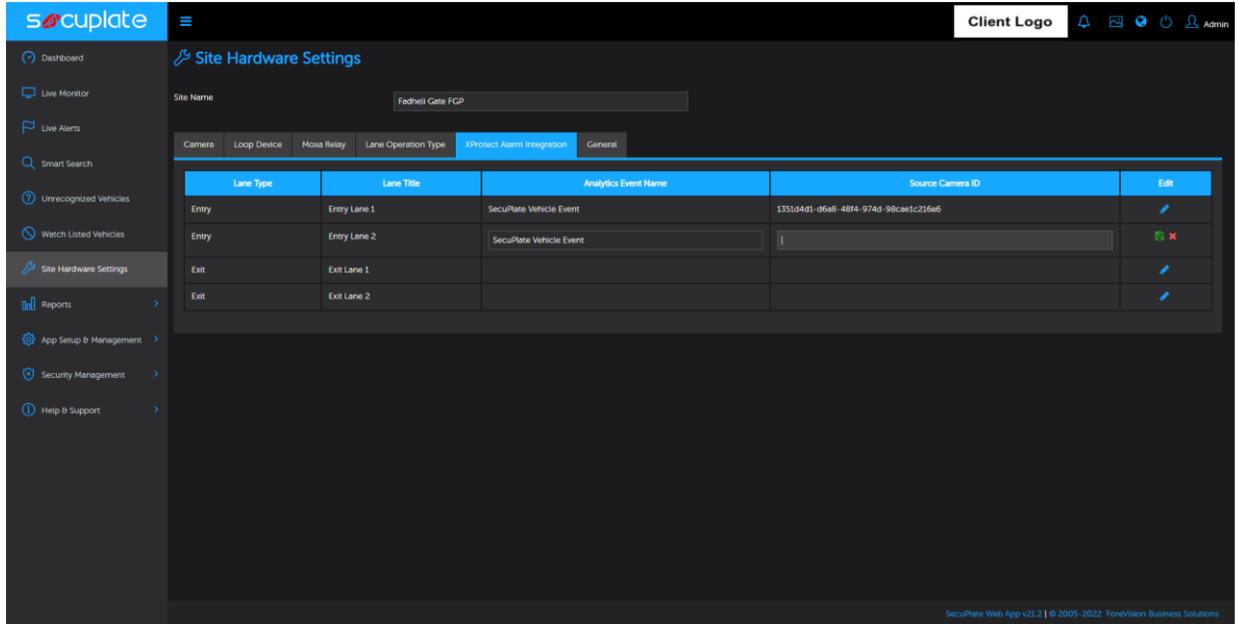
1. Login to SecuPlate Web Application, open **Site Hardware Settings** page, select **Lane Operation Type** tab.
2. Here you will define for which lane the XProtect alert integration should be activated. For this click the **Edit** link in the respective row. This will list of lane operations that can be activated for the subject lane.



3. Select the option **“XProtect Alert Integration”**, click **Save**.



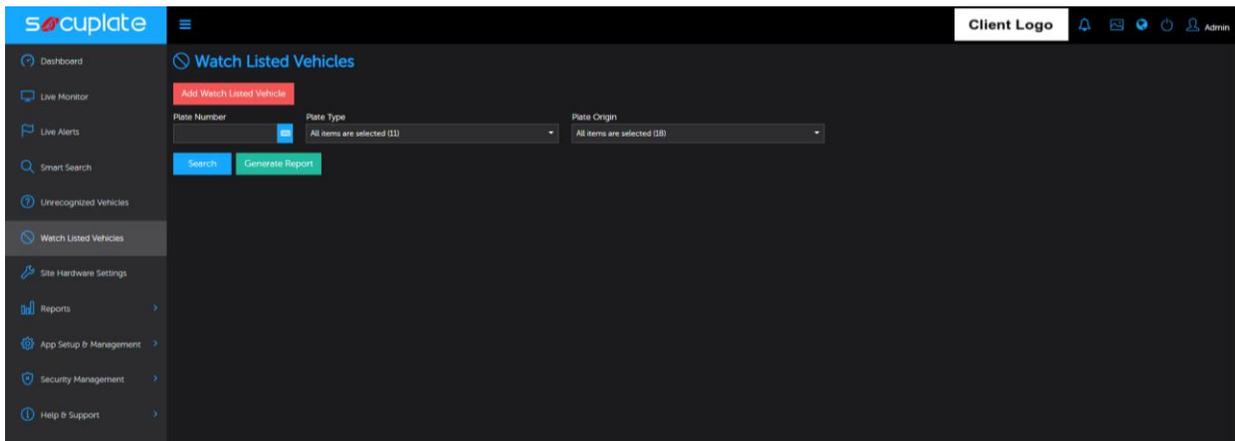
- Now select **XProtect Alert Integration** tab in the same page. Here for the lane(s) which you activated for XProtect alert integration, enter **Analytics Event Name** and **Source Camera ID** which you noted while doing configurations in XProtect Management Client.



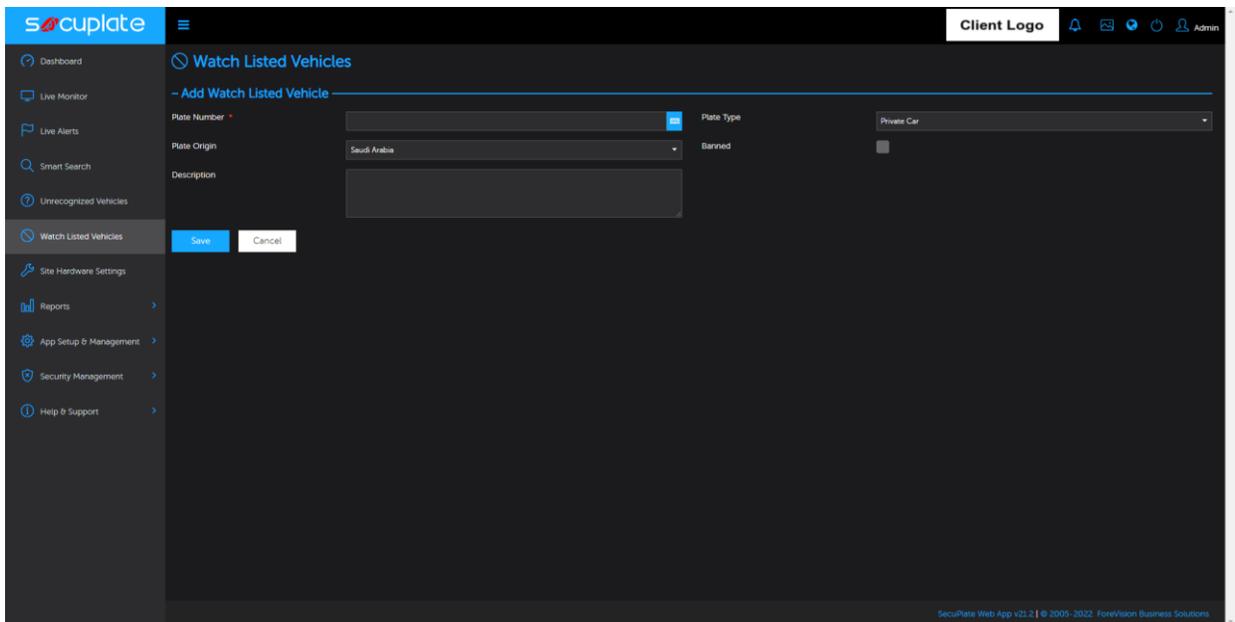
### 3.2 Adding Watch listed Vehicles

This page provides the facility to maintain the list of watch listed vehicles. Once a number plate is added in SecuPlate as watch listed vehicle, it will raise Watch Listed Vehicle Alert (yellow background color) whenever such vehicle will traverse the lane. If the vehicle is under watch due to any negative reasons (banned, stolen, blacklisted etc.) it can be marked as banned by selecting Banned checkbox. In this case SecuPlate will raise Banned Vehicle Alert (red background color) whenever such vehicle will traverse the lane.

1. Open **Watch Listed Vehicle** page and click **Add Watch Listed Vehicle** button. This will display the data entry form.

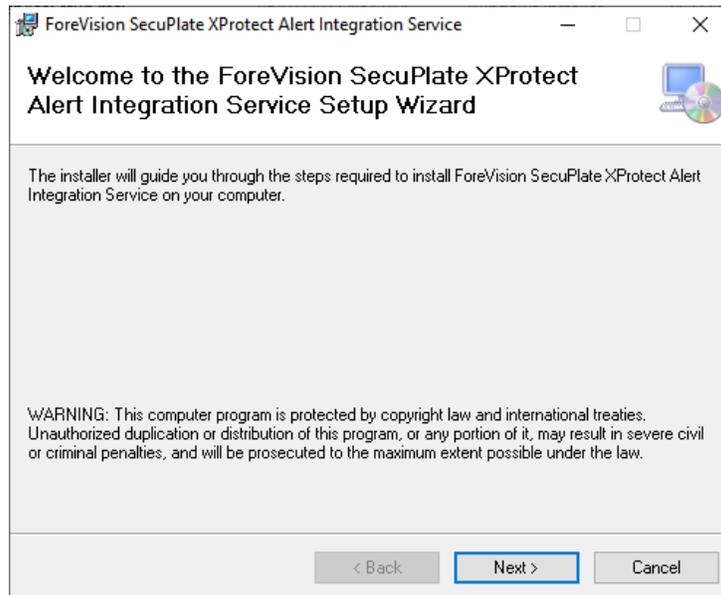


2. Enter the data of watch listed vehicle. Select **Banned** checkbox if you want to mark it as a banned vehicle. Click **Save**.

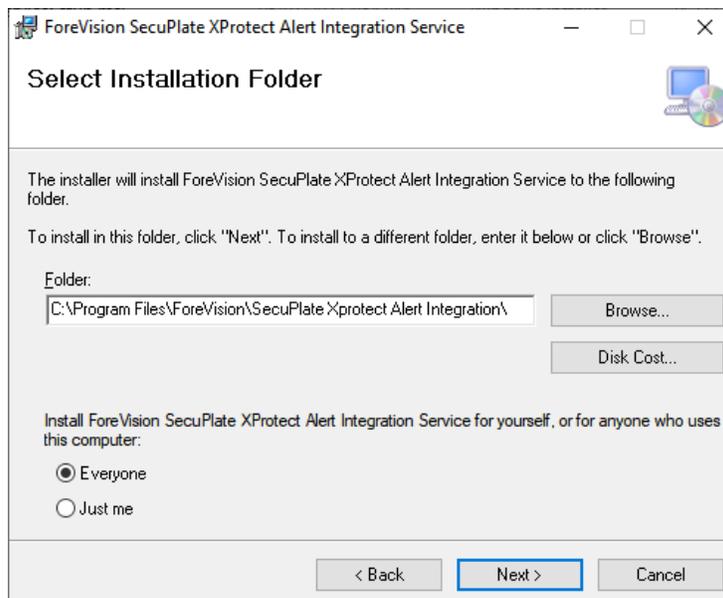


## 4. Installing SecuPlate XProtect Alert Integration Service

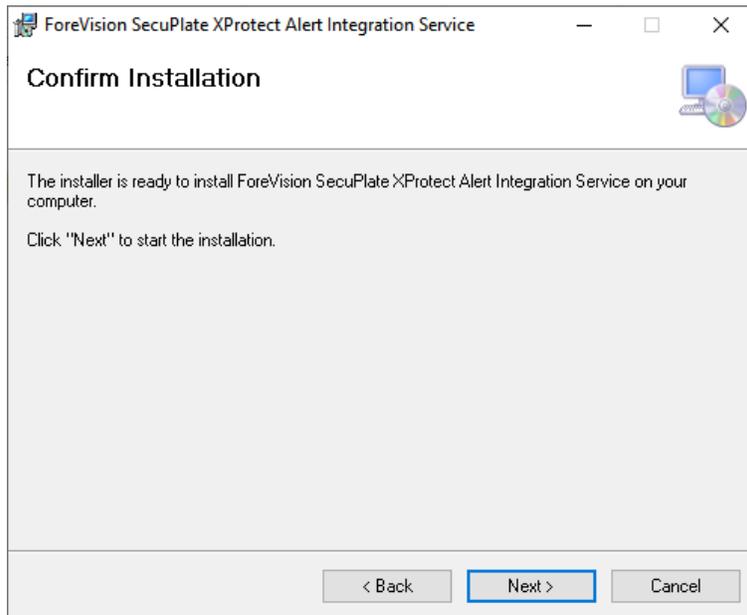
1. Run **XprotectAlertIntegration.WinServiceSetup.msi** on the computer where SecuPlate-Site or SecuPlate Standalone version is installed. The **Welcome** screen of installation wizard will appear. Click **Next**.



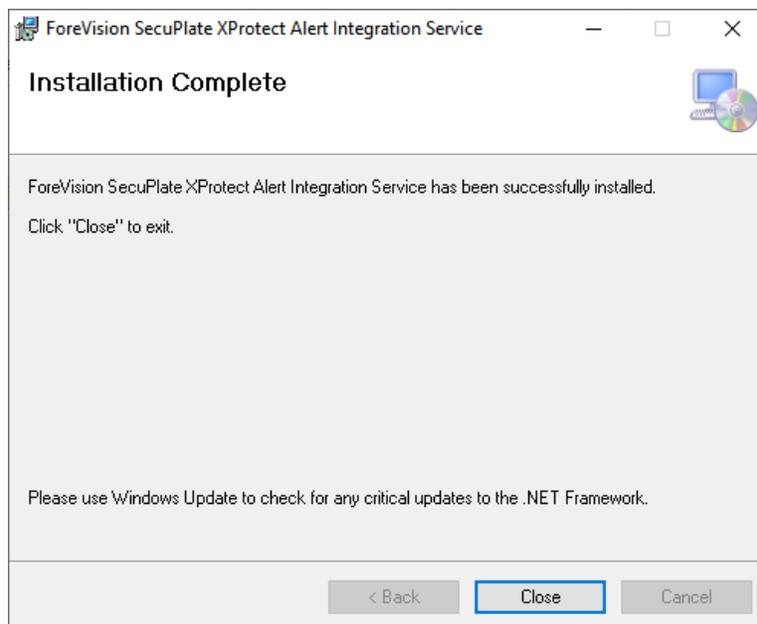
2. The **Installation Folder Selection** screen will appear. Keep the defaults and click **Next**.



3. The **Confirm Installation** screen will appear. Click **Next**. The installation process will start.

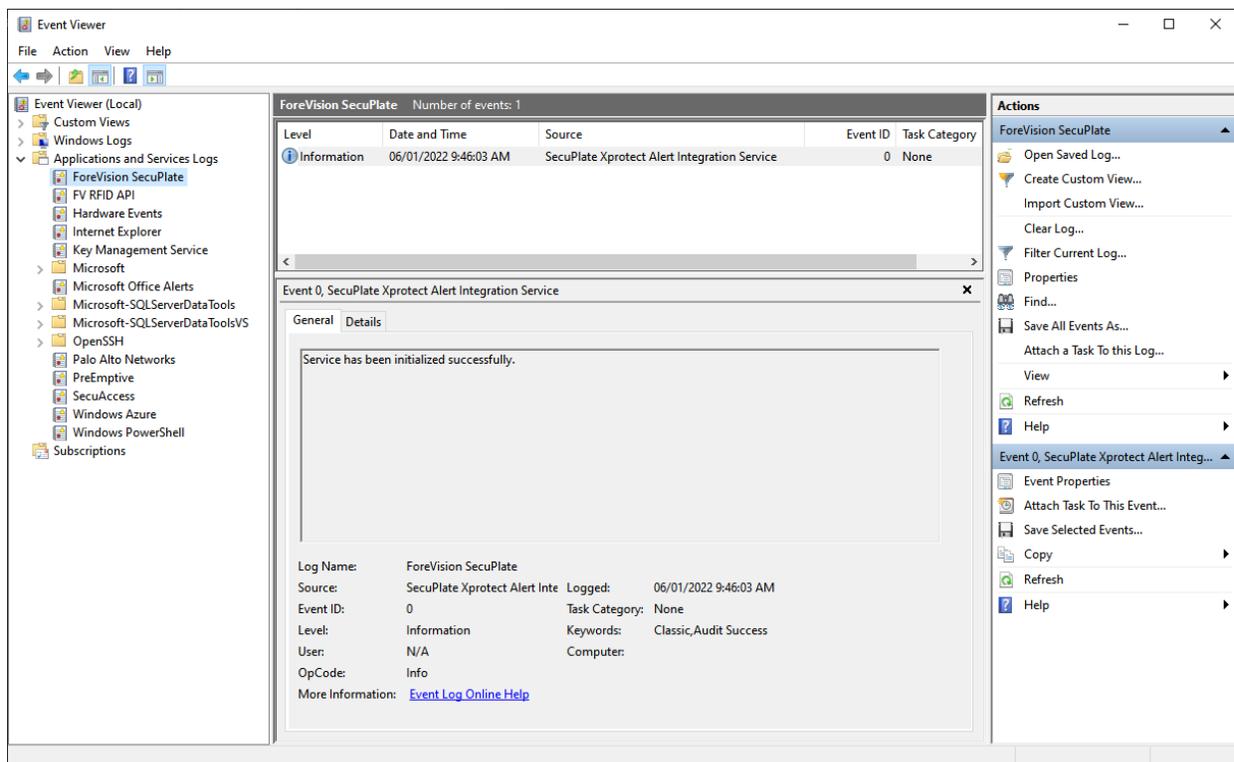


4. After completion, the **Installation Complete** screen will appear. Click **Close**.



## 5. Configuring SecuPlate XProtect Alert Integration Service

1. After successful installation of the service, copy the provided license file (License.sp) in the folder where this service is installed. Service will not operate without the appropriate license.
2. Use the utility named **ForeVision.SecuPlate.ConfigManager.exe** available in the service folder to enter the connectivity information for SecuPlate and XProtect Server. This information is saved in config.xml file and xprotectconfig.xml file respectively in encrypted format. The service reads the information from these files and establishes the connection with SecuPlate database and XProtect Server.
3. Open **Windows Services** console and start the service.
4. For confirmation whether the service started successfully, check the entries in Windows event log named **ForeVision SecuPlate**.

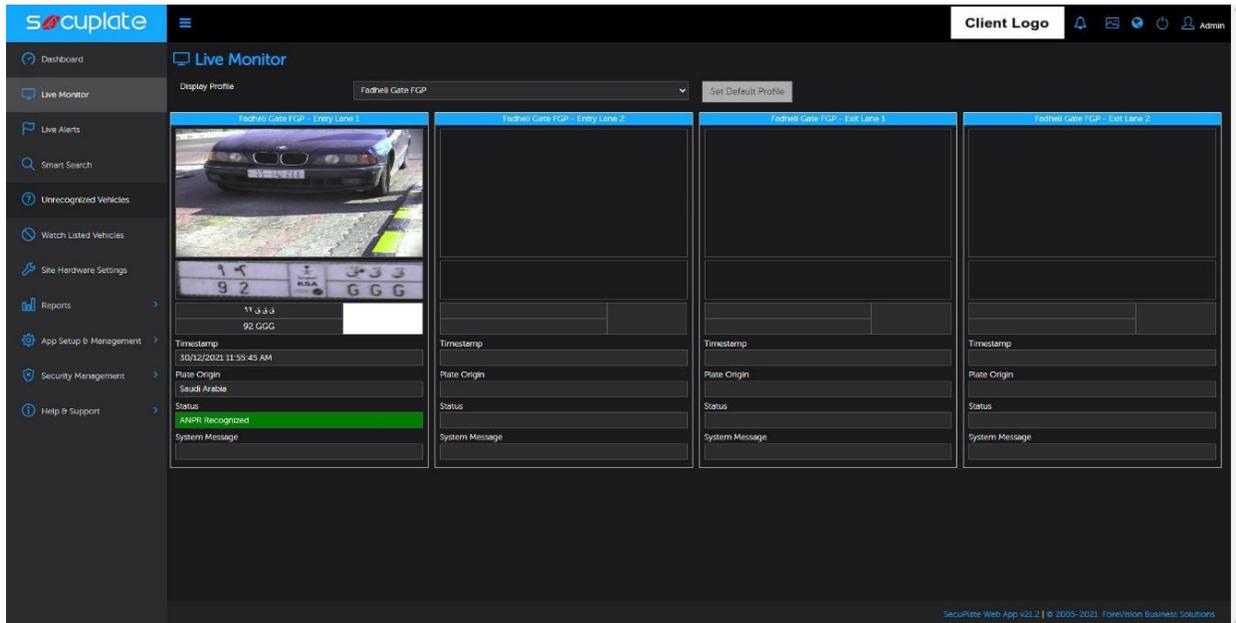


## 6. Viewing Alerts in SecuPlate and XProtect Smart Client

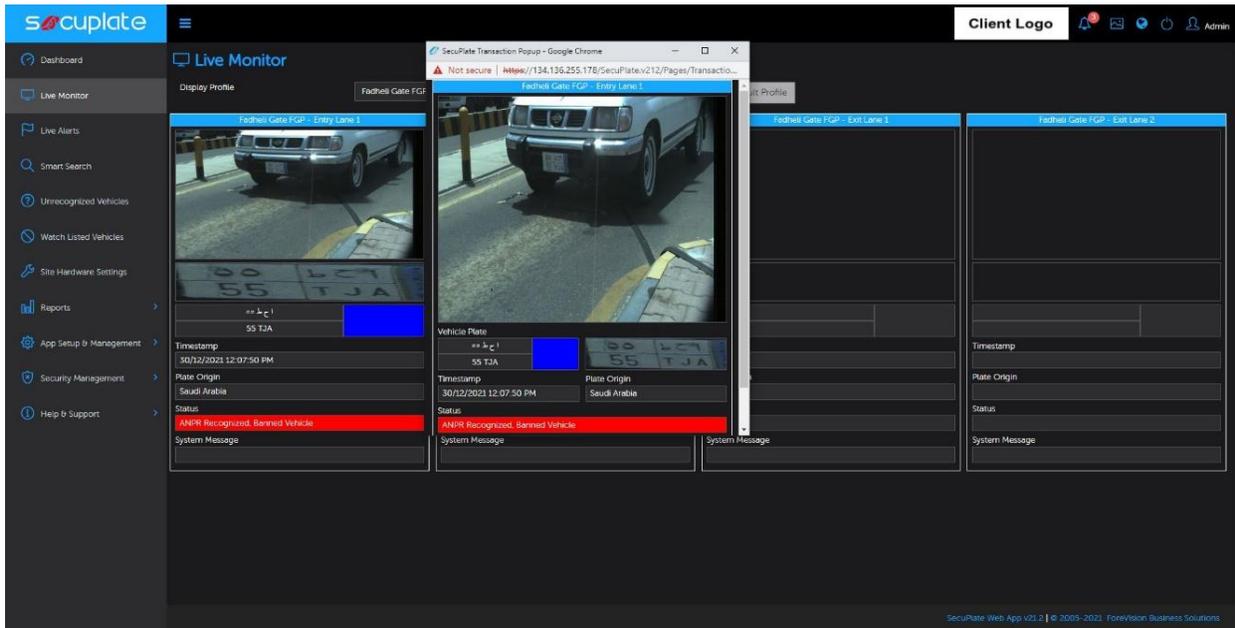
1. For testing/configuration purposes when real-time traffic is not available, the static images (JPG files) of the vehicle's front can be used to simulate the vehicle traversing. The images can be of different nature i.e. clear readable plates, hidden plates and plates which are registered as watch listed/banned vehicle (for testing purposes) in SecuPlate. Any of these images can be copy-pasted in the lane-wise folders at SecuPlate computer. These are the folders in which LPR Cameras drop the images of traversing vehicles during real-time image capturing.
2. As soon as the image is dropped in the folder, it is processed by SecuPlate and the results are displayed at **Live Monitor** page of SecuPlate. In case if it is a watch listed/banned or the plate is not recognized, the System generates the alert. This alert will be transmitted to XProtect and it can be seen in the **Alarm Manager** section of XProtect Smart Client.

**Note:** Below are the screenshots of **SecuPlate Live Monitor** page and **XProtect Smart Client** for different scenario:

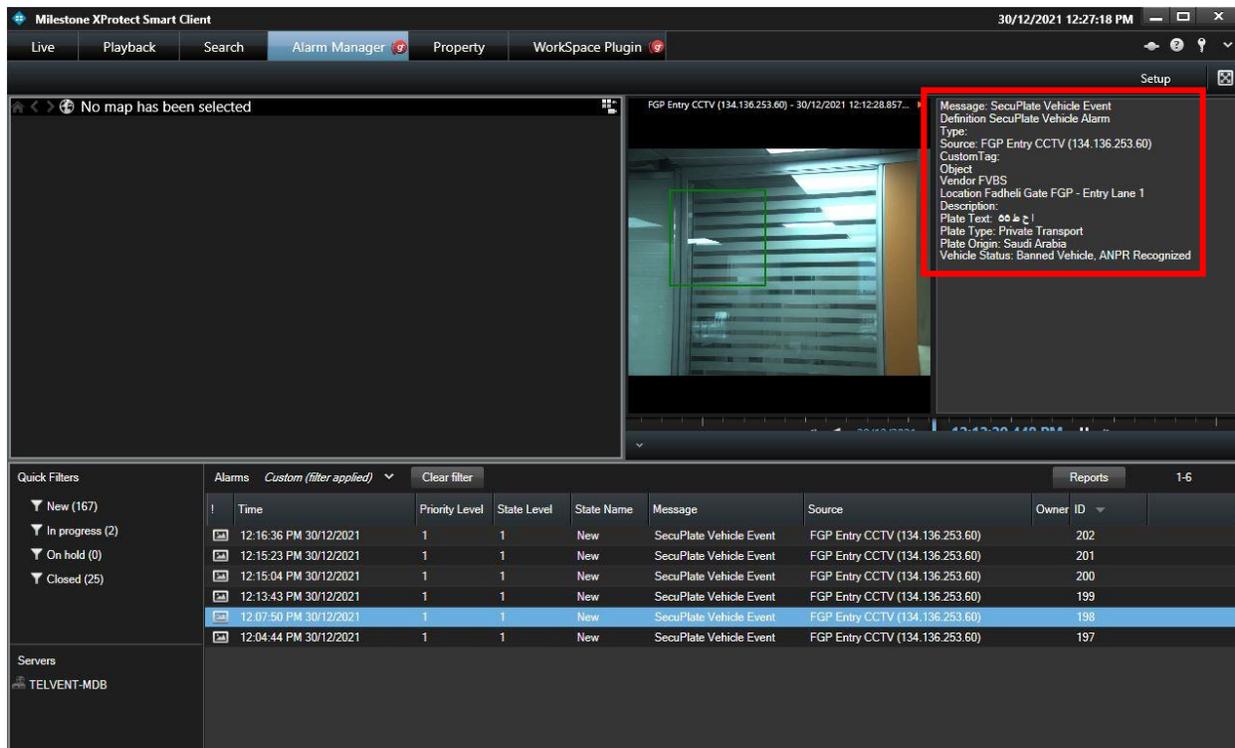
### SecuPlate Live Monitor page view when a non-watch listed vehicle traversed at Entry Lane-1



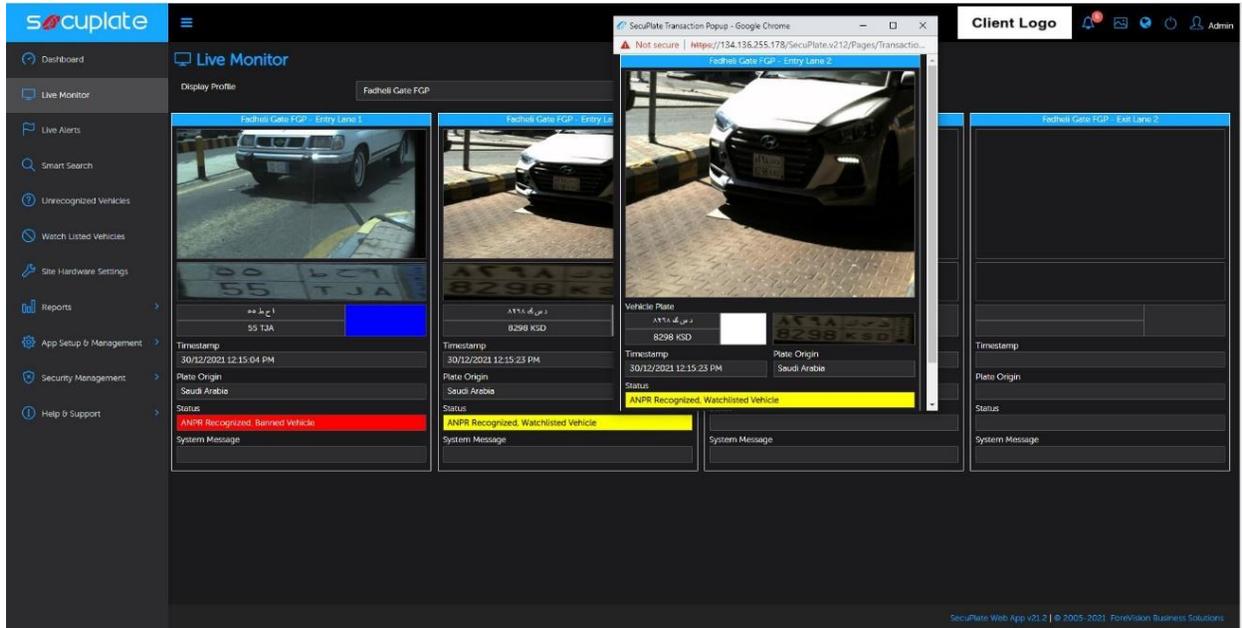
SecuPlate on-screen alert when a banned vehicle traversed at Entry Lane-1



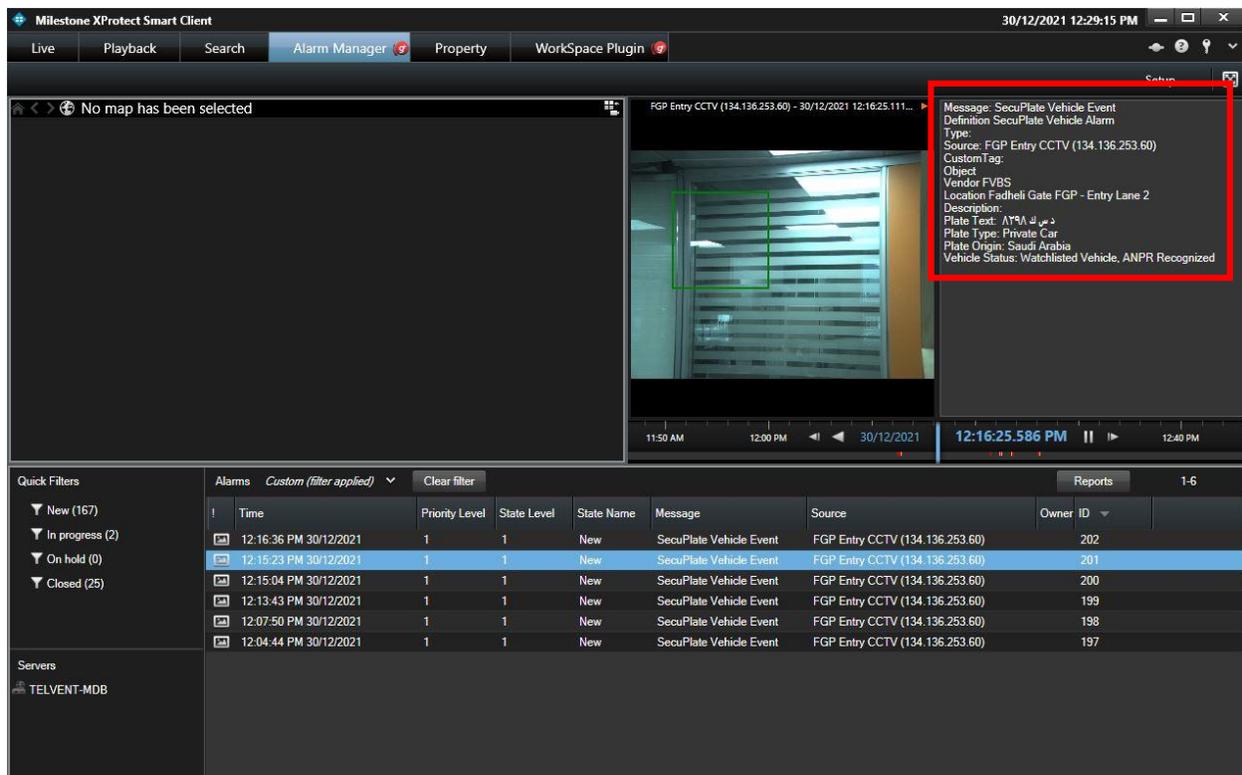
Banned vehicle alarm appears in XProtect Smart Client for the above shown event



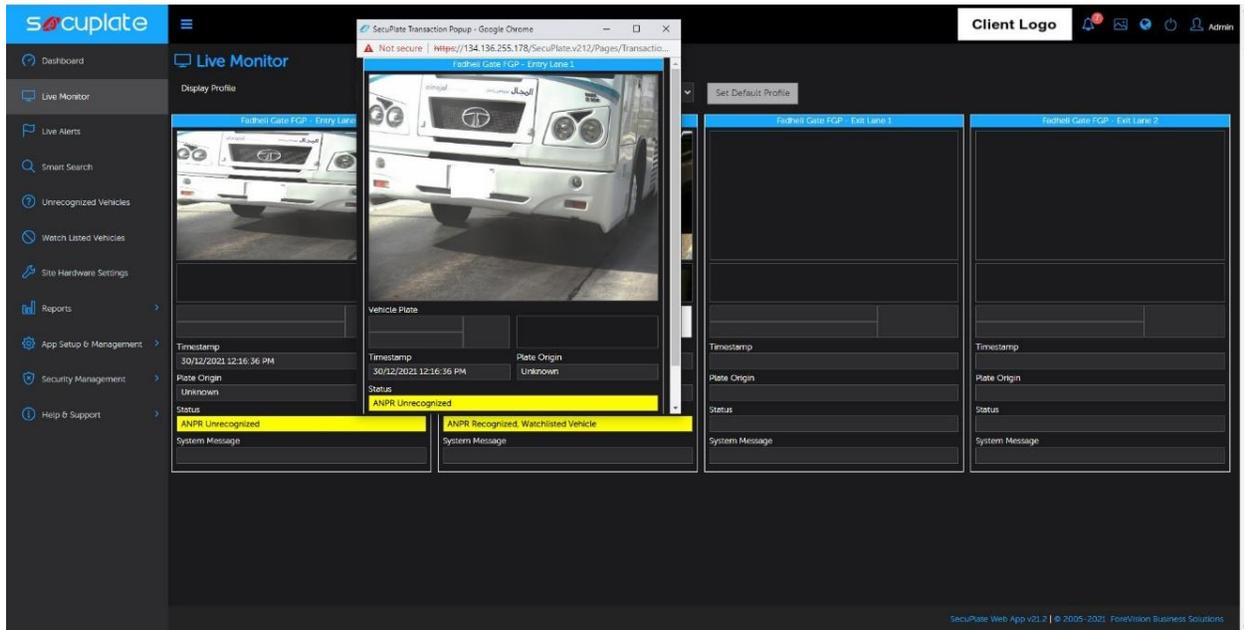
## SecuPlate on-screen alert when a watch listed vehicle traversed at Entry Lane-2



## Watch listed vehicle alarm appears in XProtect Smart Client for the above shown event



## SecuPlate on-screen alert when the vehicle plate is not recognized at Entry Lane-1



## Un-recognized plate alarm appears in XProtect Smart Client for the above shown event

