Milestone Integration

USER MANUAL

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VERSION: 2.5.9

CONFIDENTIAL

PLATESMART Technologies

Document Summary

Installing and Configuring the Milestone Integration
This pre-requisite document outlines how to install the Milestone client and integrate it with PlateSmart's ARES. Note: to set up a PlateSmart/Milestone integration, having active cameras in XProtect is mandatory.

Configuring Analytical Events for ARES and Milestone
This section's purpose is to show how to setup and configure use of the Milestone integration within ARES to allow us to pull the video feed through Milestone's SDK for processing.

Installing the Milestone Plugin
This section's purpose is to show how to configure both ARES and Milestone to use Milestone's Analytical Event process as well as verify proper configuration.

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Contents

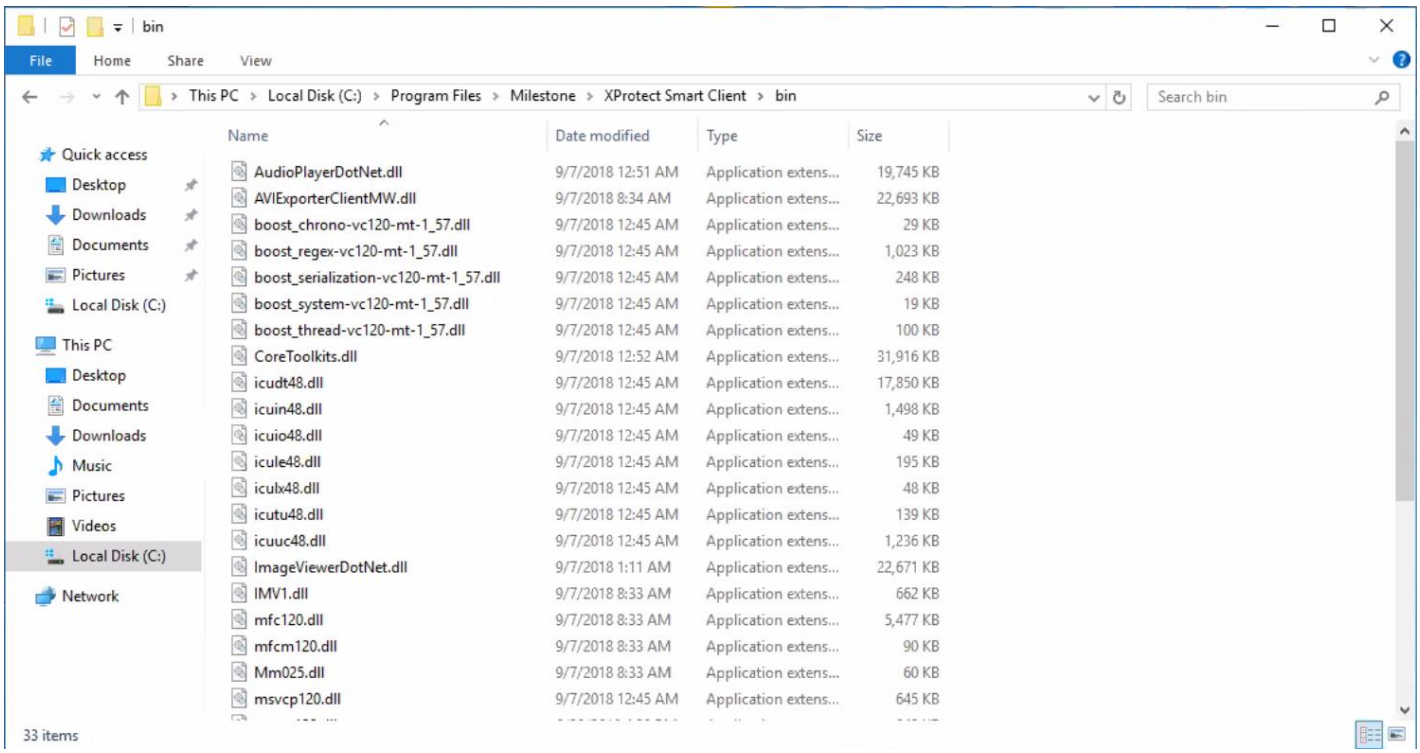
Installing Milestone

1. Locate the “Milestone XProtect VMS Products 2018 R3 System Installer.”

2. Run this application and install the program in the desired directory. For any questions during the installation of Milestone, see https://www.milestonesys.com/support/help-yourself/manuals-and-guides/

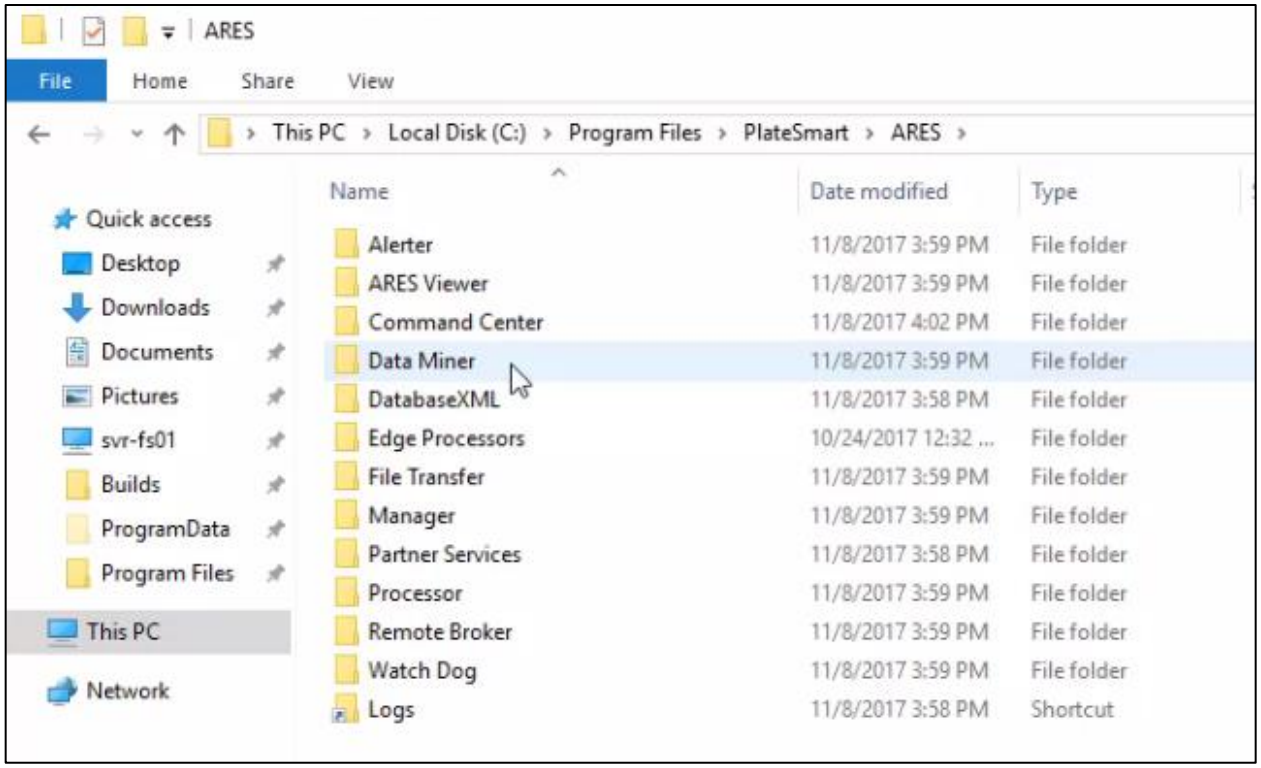
3. This should place the two shortcuts “XProtect Management Client 2018 R3” and “XProtect Smart Client 2018 R3” on the Desktop.

4. Navigate to the following directory:
“YourPC” > “Installation Drive” > “Program Files” > “Milestone” > “XProtect Smart Client” > “bin” (Installation drive is the drive that Milestone is installed on)



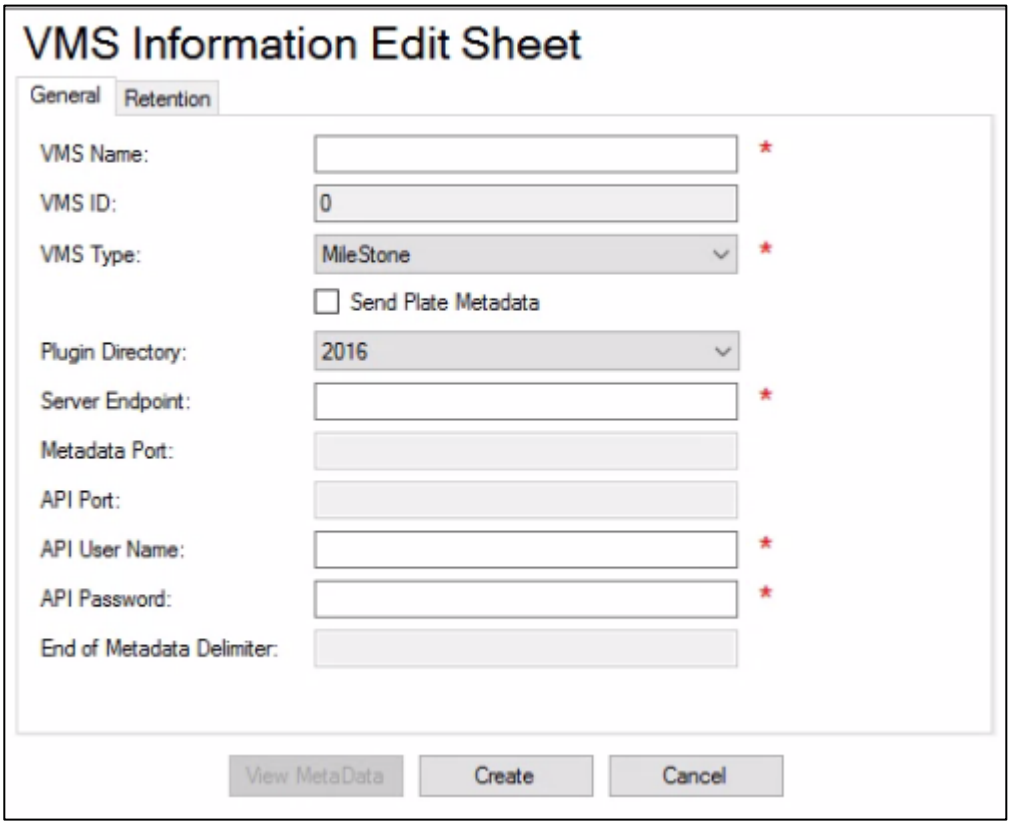
5. Use CTRL-A to select all the files in the directory, then CTRL-C to copy them.

6. Navigate to the following directory and paste the files into the Command Center and Processor folders.



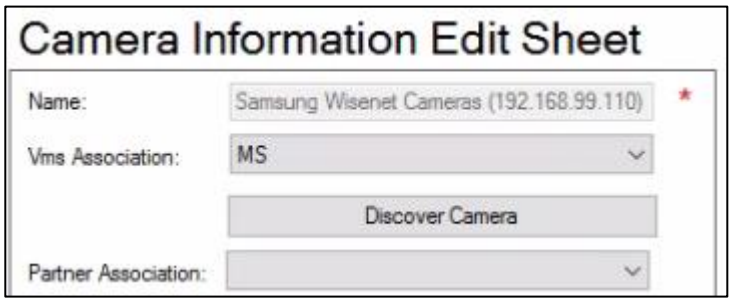
Configuring Milestone

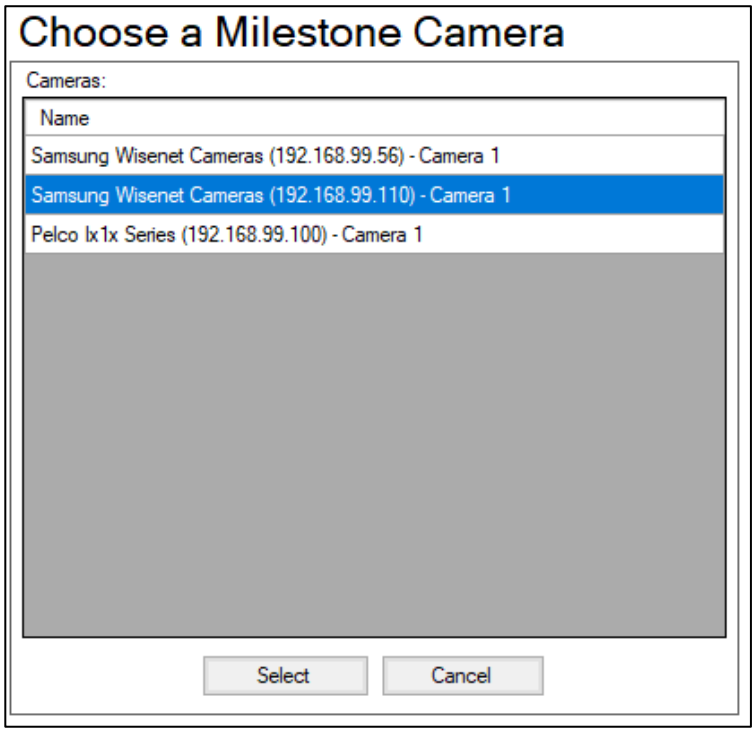
1. Open Command Center and add a service:
   VMS Type: Milestone
   VMS Name: Any recognizable ID [we will use 'MS' in this document]
   Send Plate Metadata: Send plate data to Milestone for all ARES cameras using this integration.
   Server Endpoint: The Milestone VMS DNS (machine name) or IP Address
   API User ID/Password: Milestone VMS credentials



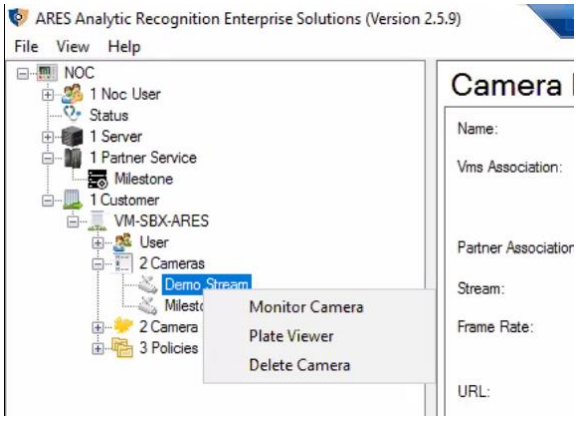
2. Set up a camera

VMS Association: Selected ID from Partner Service name ['MS' in this document]. Once you've chosen a **VMS Association**, select the **Discover Camera** button and choose a camera from the list. Restart the Data Miner and each Processor that will be affected by these changes.





3. To confirm that everything is working properly, right click on the node for this camera and select **Monitor Camera**. The camera stream should load and play.



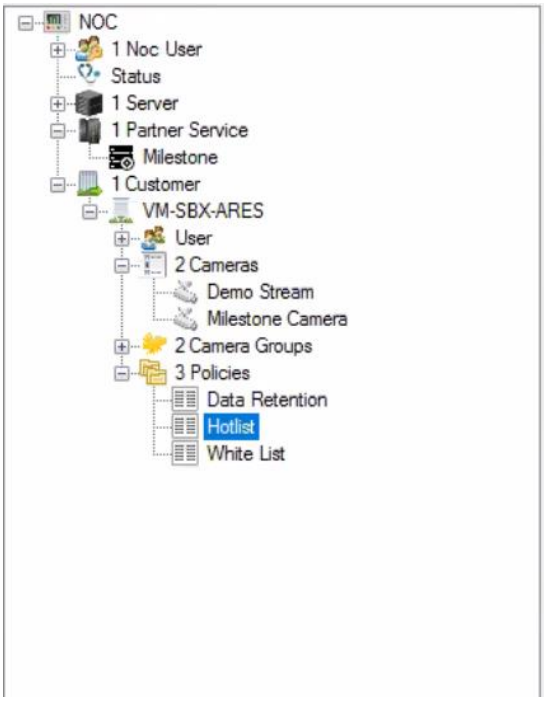
4. The following can be reset by right clicking on the **ARES_Dataminer** and selecting restart.

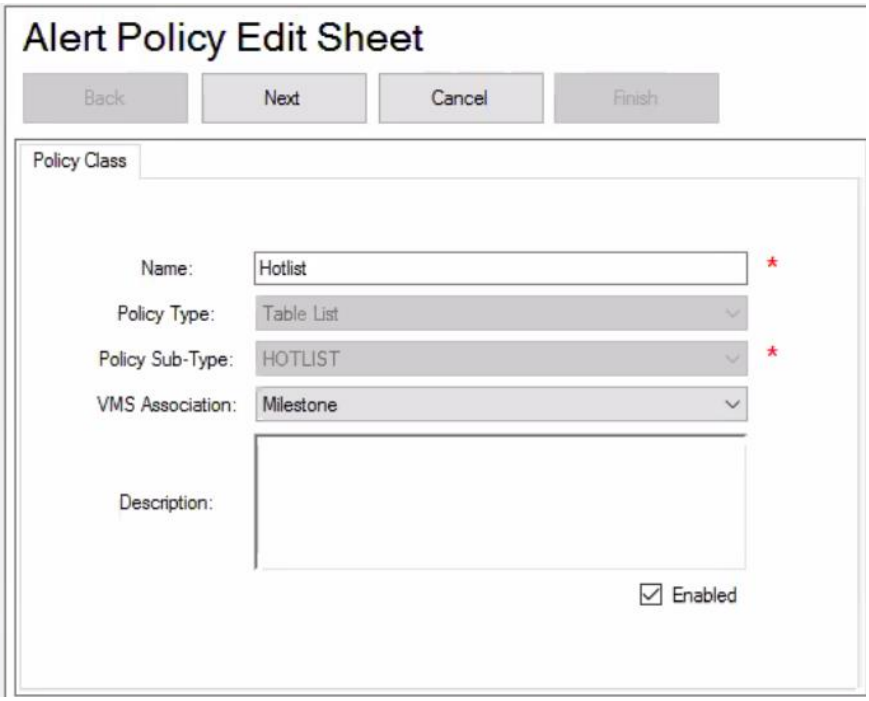
	Status	Last Message	Name	Server	Last Heartbeat		Command
	Ok	Running	ARES_WatchDog	VM-EA2	4:08:31 PM		None
	Ok	Initializing WatchDog client	ARES_Manager	VM-EA2	4:08:32 PM		None
	Ok	Running	ARES_FileTransfer	VM-EA2	4:08:33 PM		None
▸	Ok	Running	ARES_DataMiner	VM-EA2	4:08:34 PM		RestartNeeded
	Ok	Running	ARES_Alerter	VM-EA2	4:08:34 PM		None
	Ok	Running	ARES_RemoteBroker	VM-EA2	4:08:35 PM		None
	Ok	Processing feed	Camera 1 (ARES_Processor_1)	VM-EA2	4:08:37 PM		None

Creating Analytical Events

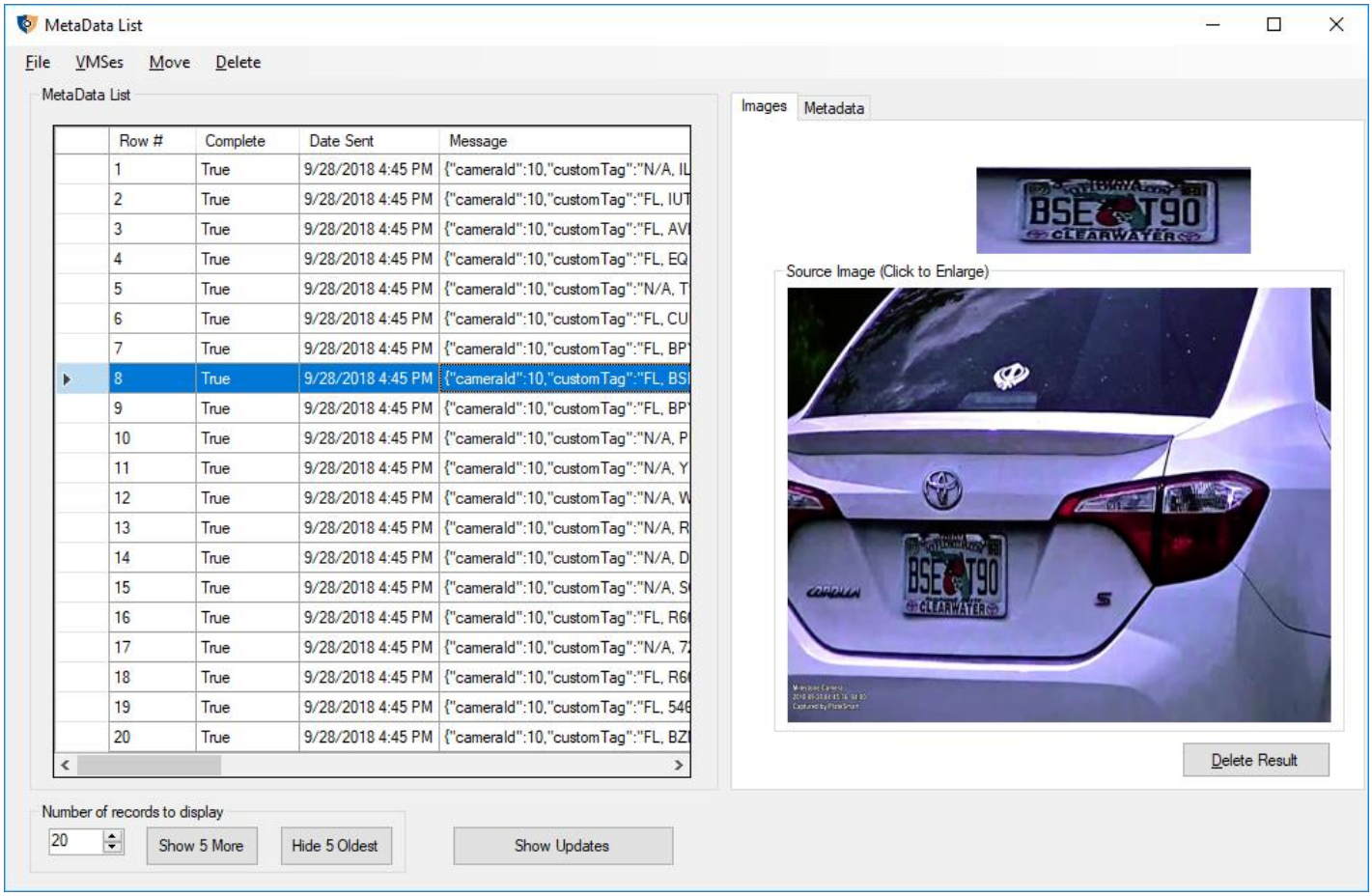
In Command Center

1. For each alert policy you want to send metadata with, enter the **Alert Policy Edit Sheet** and select the VMS name from the **VMS Association** dropdown.





2. Open Plate Viewer/Alert Viewer and the **Metadata List** to confirm that the correct data is coming through. If the camera connection is correct and running properly, the interface shown below will be populated with metadata.

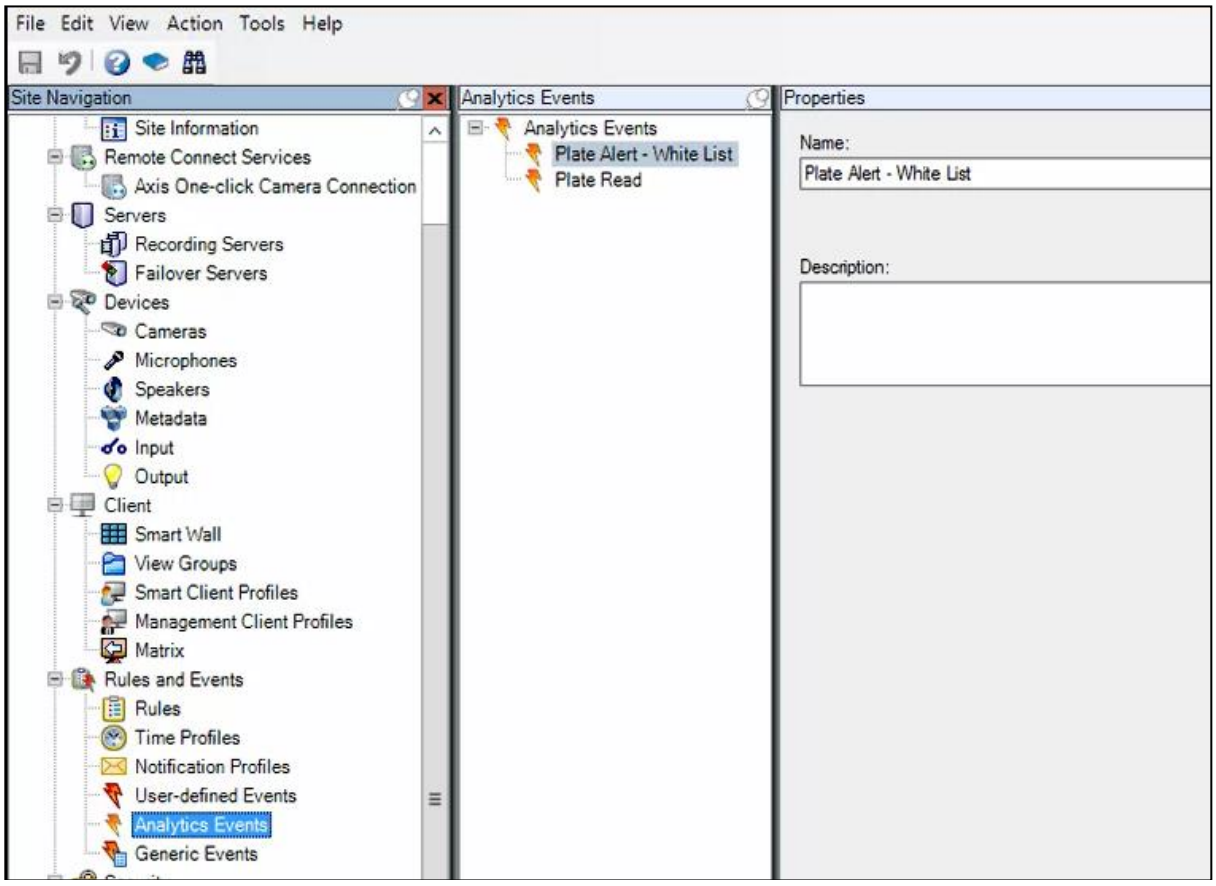


*Please note that license plate “BSET90” is used for example purposes and with example data only. This is not tied to an active hotlist nor have any live hotlists have been used in the creation of this document.

In XProtect Management Client:

Open **XProtect Management Client** and select **Analytics Events** from the left-hand option tree. There are two separate types of events that must be included in order to properly integrate the system: an event titled **Plate Read** for base LPR data, and multiple **Plate Alert- [Policy Name]** events for LPR alerts.

3. Add an Event by right-clicking **Analytic Events** and selecting **Add Event**. Then complete the event by inputting the event name and description and clicking the **Save** icon in the upper left-hand corner of the screen (see next page).

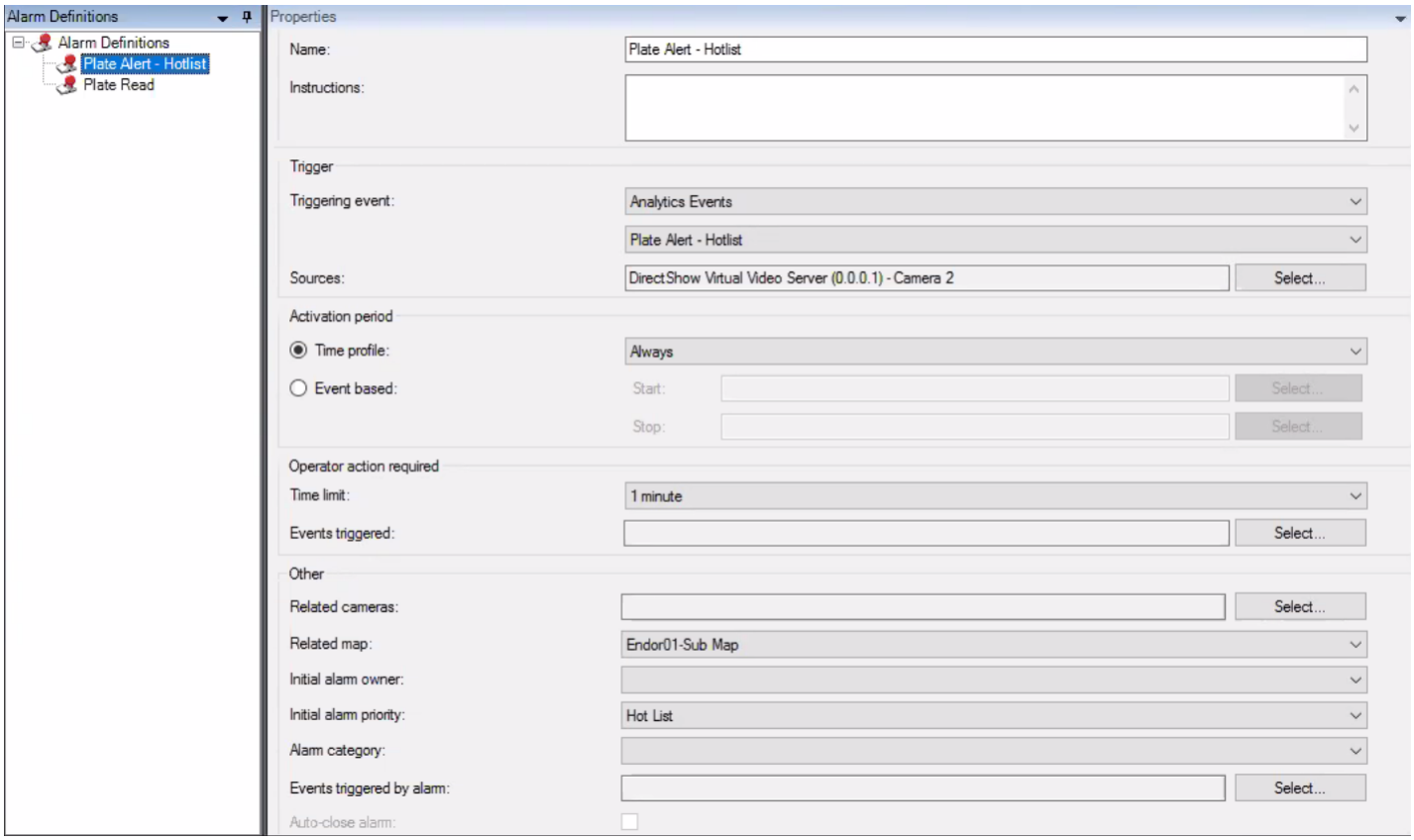


*When configuring, the **Analytical Events** should be named **Plate Alert – [Policy Name]**, in this example this analytical event **Plate Alert – White List** corresponds to

the ARES Alert Policy named **White List** in ARES.

4. You now have analytical events created for **Plate Alarms** and **Plate Reads** generated from the ARES system. These events can be used to configure **Alarm Definitions**.

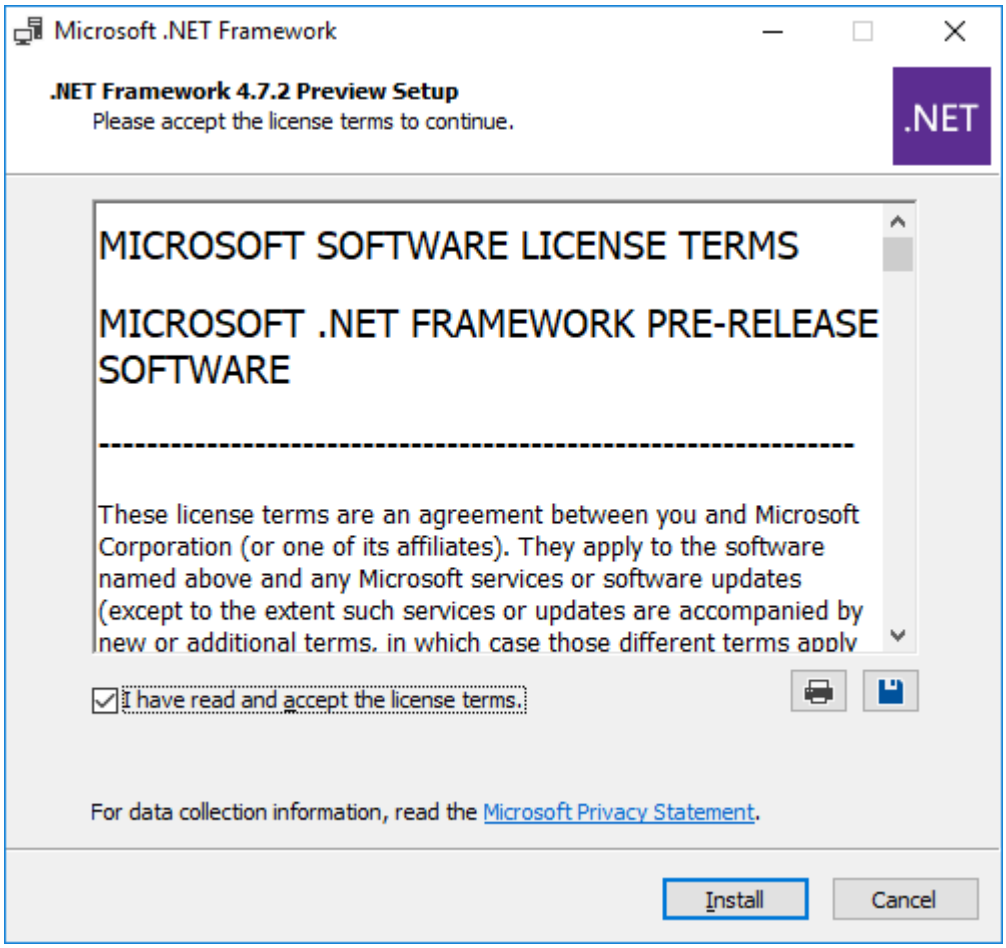
   Select **Alarms** -> **Alarm Definitions** from the left-hand option tree. Right-click to add a new alarm definition, name the alarm, and select **Analytical Events** as the trigger event. In the second drop-down box in this section, select the specific analytical event you wish to use.



Installing the PlateSmart Plugin

.Net Framework

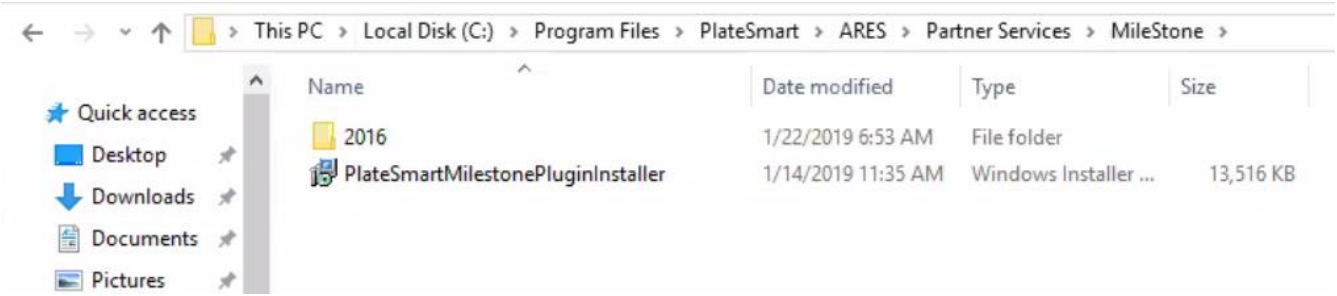
1. Open the .NET Framework setup window.



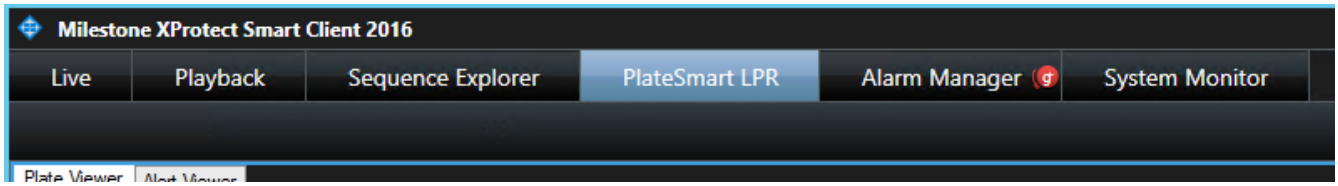
2. Restart the computer to complete installation.

3. Navigate to the Plugin Installer in File Explorer through:

   Program Files -> **PlateSmart** -> **ARES** -> **Partner Services** -> **MileStone**.



4. Run the **PlateSmartMilestonePluginInstaller.msi** to complete installation. Once installation is complete, the **PlateSmart LPR** tab will appear in the XProtect Smart Client.



Summary

In the XProtect Smart Client, Under the **PlateSmart LPR** tab, plate reads will be stored as they are read from the live stream. There are different tabs, depending on the event. In this case there is the **Plate Reader** and **Alert Viewer** tab. The **Plate Reader** shows all license plates while the **Alert Viewer** only shows the plates marked in the Hotlist. A live stream of the video can be viewed under **Live** and recorded video can be viewed through **Playback**.