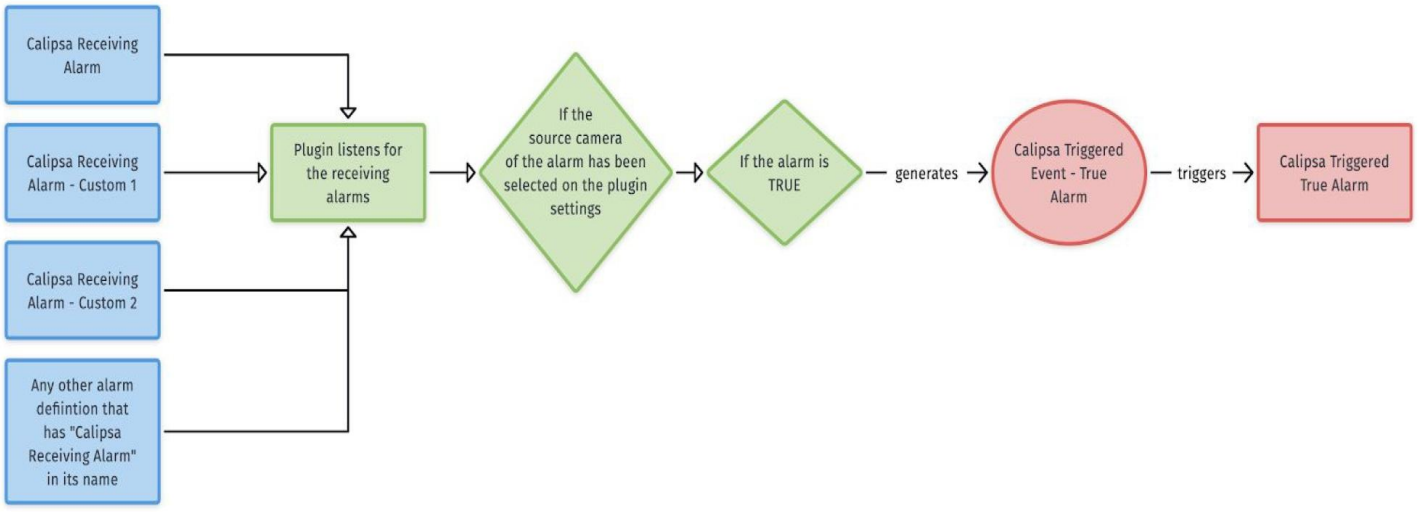
Calipsa Milestone Plugin Integration

Welcome! This guide walks you through the process of installing the Calipsa Milestone Plugin

How It Works

- The plugin will listen to any alarms generated by XProtect that have **Calipsa Receiving Alarm** as a substring of their name. This alarm definition, which is created by default, listens to **XProtect's Motion Detected system event**.
- If Calipsa marks the alarm as true, it'll generate the **Calipsa Triggered Event - True Alarm** analytics event that the plugin created itself. This event will, in turn, trigger the **Calipsa Triggered True Alarm** alarm (this can be verified by looking at the triggers of the Calipsa Triggered True Alarm definition).
- The definition of **Calipsa Receiving Alarm** basically controls what kinds of events (system, analytics, device events, etc) the plugin listens for. Hence, by extending/updating this definition (for example changing the default Motion Detection trigger to some camera in-built device event) we can change what Calipsa responds to and what it discards.



- **Calipsa Triggered Event - True Alarm** and **Calipsa Triggered True Alarm** can also be viewed in the **Smart Client**; via **rules and triggers**, various actions can also be executed when they occur.

Prerequisites

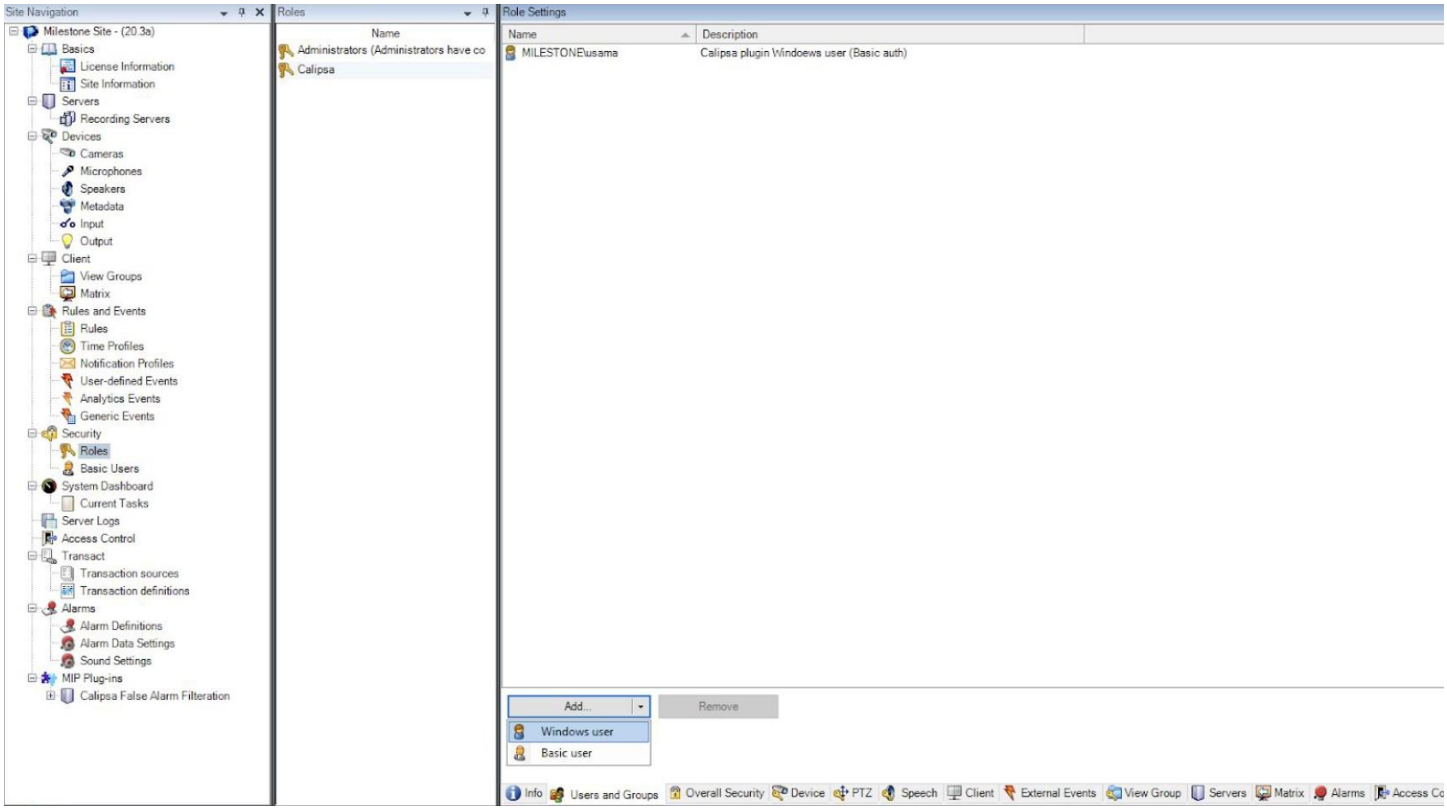
Remote Access

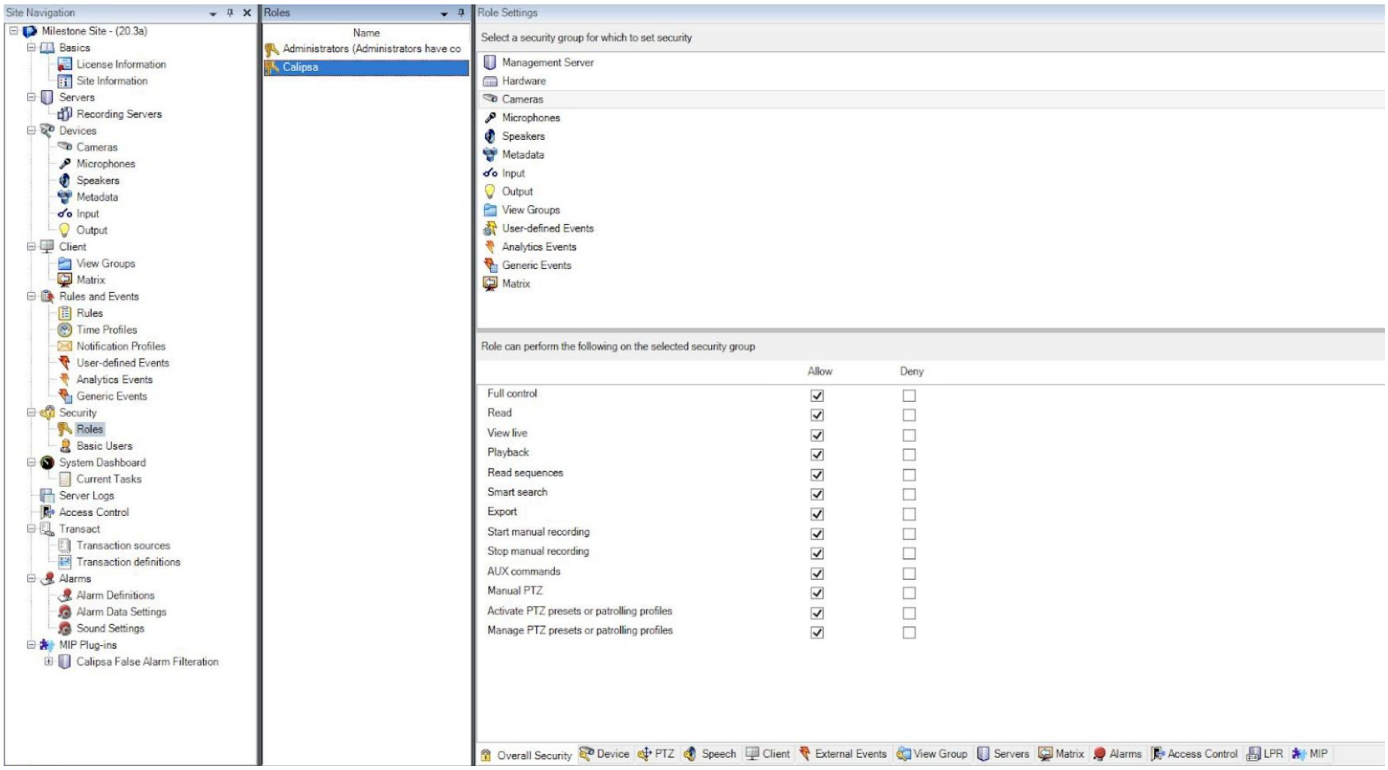
- Calipsa requires the Management Server, Image Server and Analytics Events to be remotely accessible in order to fetch images and post true alarms.
- These services run, by default, on local ports **80**, **7563** and **8888** for a standard XProtect installation.
- The following IPs will be used to make the requests for fetching the images and posting true alarms back into XProtect. Hence they should be allowlisted:

52.19.32.51 | **34.250.135.186** | **63.32.238.104** | **52.212.236.183**

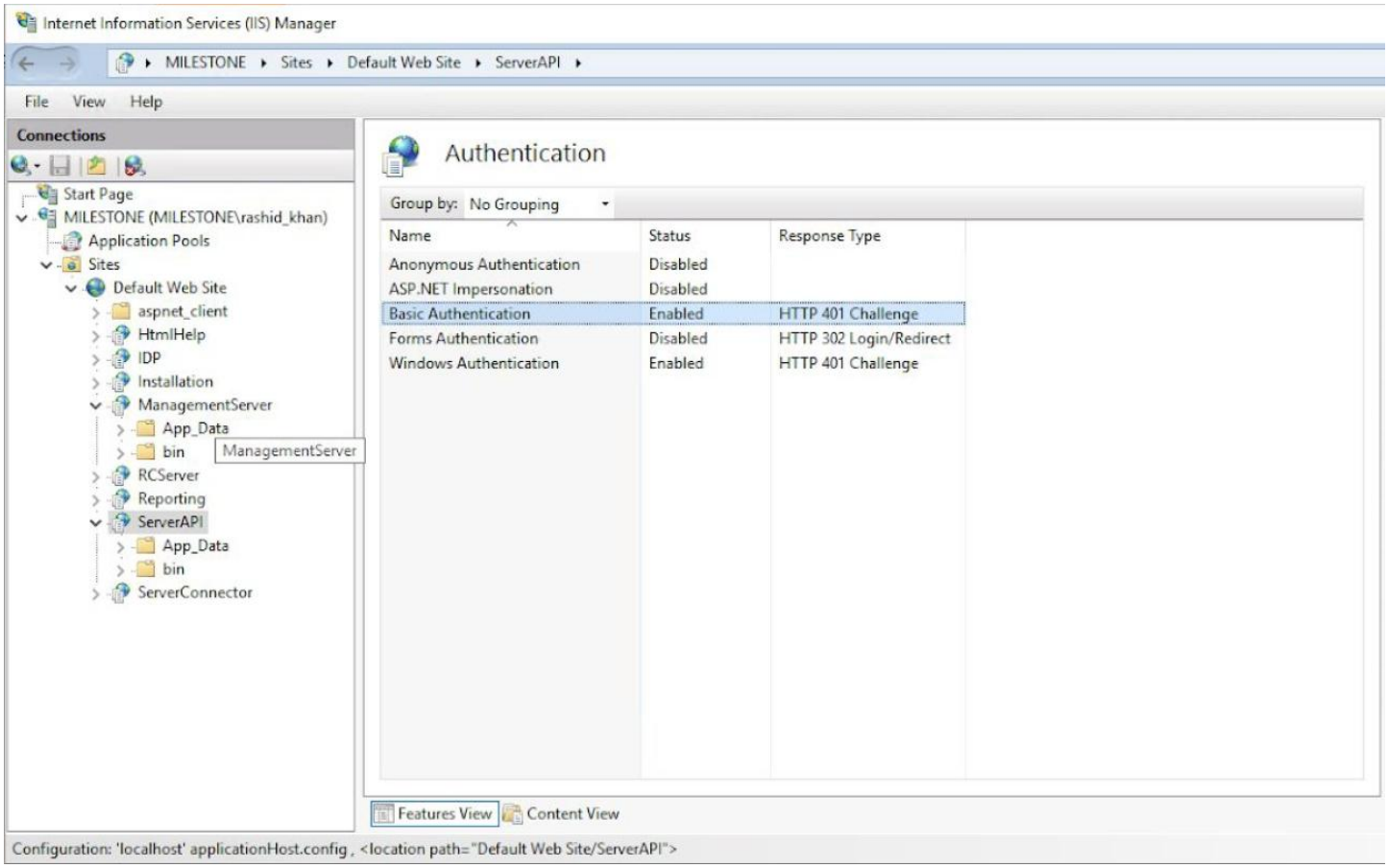
Windows User With XProtect Access

- We suggest creating a dedicated Windows user on the machine on which XProtect is installed, and then adding this user via the Management Client to a new, dedicated role that essentially gives it access to camera footage and allows remote logins.
- Having a dedicated Windows user solely for the integration with a dedicated role is considered good practice since it allows isolating access and not exposing information on existing accounts:





- Also make sure that **Basic** and **Windows authentication** is enabled for **ServerAPI** and **ManagementServer**. This can be done from the **Microsoft IIS Manager**:

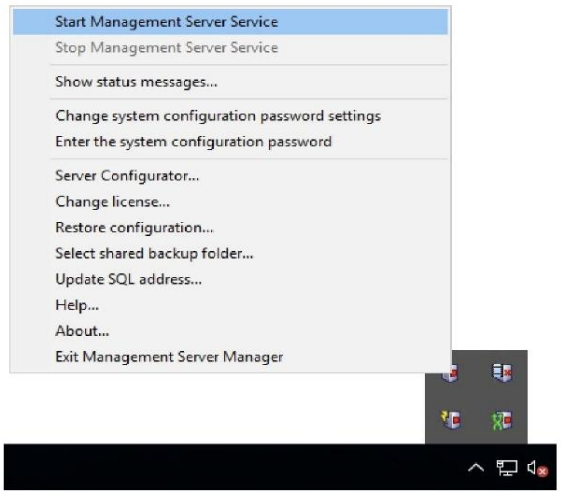


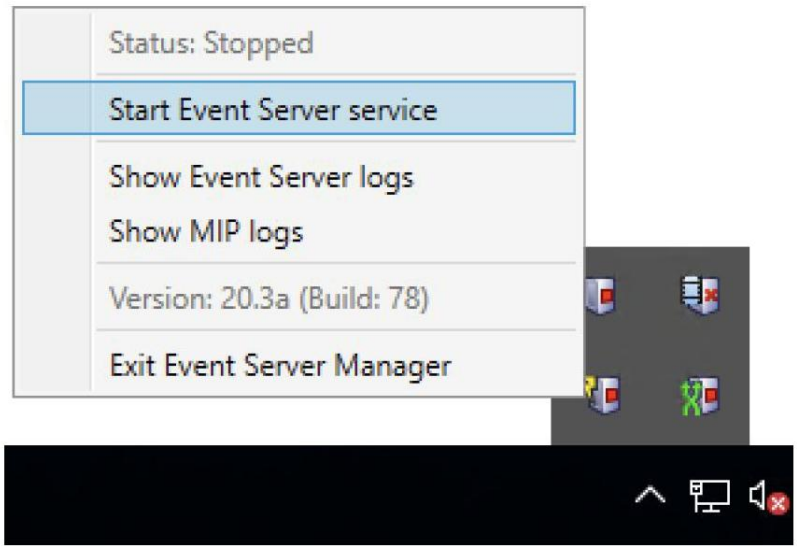
Installation

- Calipsa will provide a zipped file containing the plugin installation libraries. This should be unzipped, and the extracted folder should be copied to the **MIPPlugins** folder inside the **Milestone installation folder**:

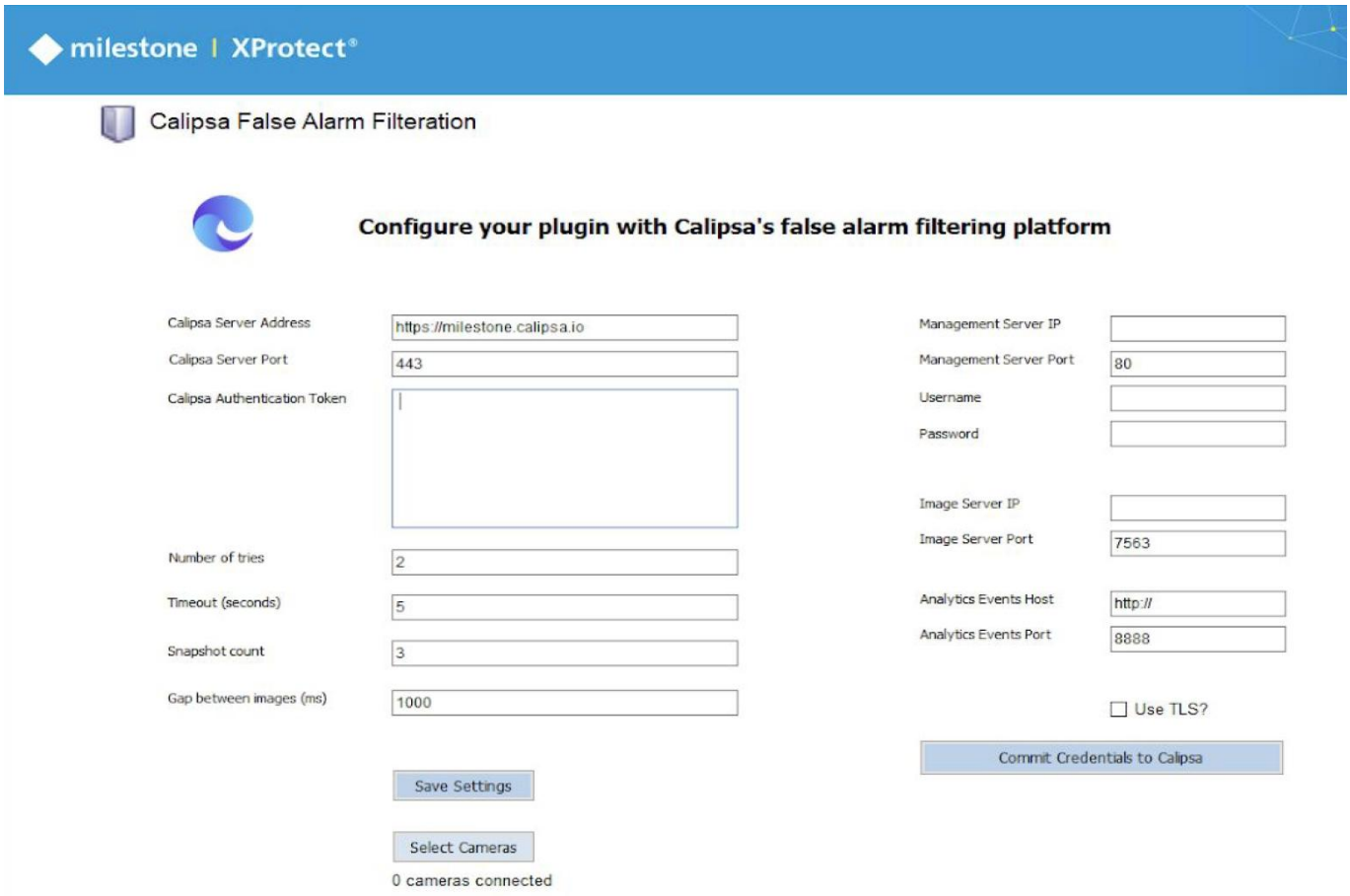
  C:\Program Files\Milestone\MIPPlugins

- Please stop and then restart the **Management Server** and the **Event Server** services again to load the newly added plugin:





Activation



1. After restarting the **Management Client**, you'll find the **Calipsa False Alarm Filtration** plugin under the **MIP Plug-ins** leaf within the **Site Navigation panel** on the left-hand side of the screen
2. Enter the **Management Server**, **Image Server**, **Windows user**, and **Analytics Events** information. The **username** and **password** will be the ones for the Windows user referred to earlier. Click **Commit Credentials to Calipsa**. If successful, the information will be saved with Calipsa.
3. Create a **Calipsa Authentication Token** via the following method:
    a. Log into the **Calipsa Dashboard**
    b. Click **Settings**
    c. Click the **...** symbol next to **Integrations**
    d. Click **Milestone**
    e. Click **Create new token...**
    f. Copy the token presented within the Calipsa window into the **Calipsa Authentication Token** text field within Milestone
    g. Click **Save Settings**

4. Choose the cameras to be watched by Calipsa using the **Select Cameras** item picker. After selecting the cameras you want to add Calipsa analytics to, they will also appear within the Calipsa dashboard.
5. Under the **Alarms** ➔ **Alarm Definitions** leaf in the **Site Navigation** panel, please verify that two new definitions were created by the plugin: **Calipsa Receiving Alarm** and **Calipsa Triggered True Alarm**
6. Under **Rules and Events** ➔ **Analytics Events** a new analytics event named **Calipsa Triggered Event - True Alarm** will be seen