



# O-Insights BACnet

## Set up help/Installation Guide

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# About O-Insights

O-Insights is a camera monitoring and analytics system, specifically designed for IP video management application.

## O-Insights with BACnet Setup

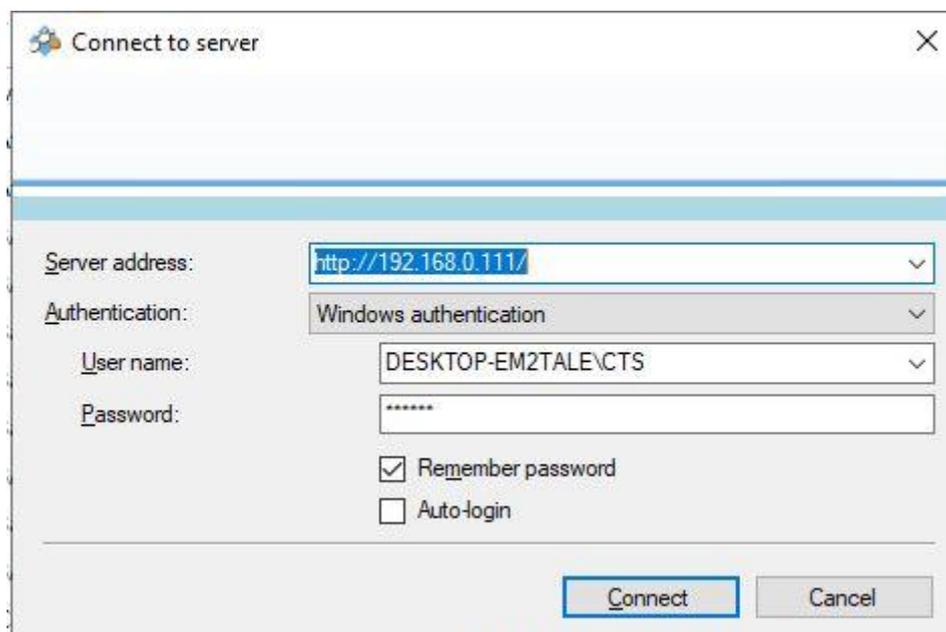
This is a set up file which runs to install the O-Insights and an Odxel BACnet service on the machine.

Pre-Requisites:

1. Milestone server
2. O-Insights BACnet setup file
3. Customers Host ID

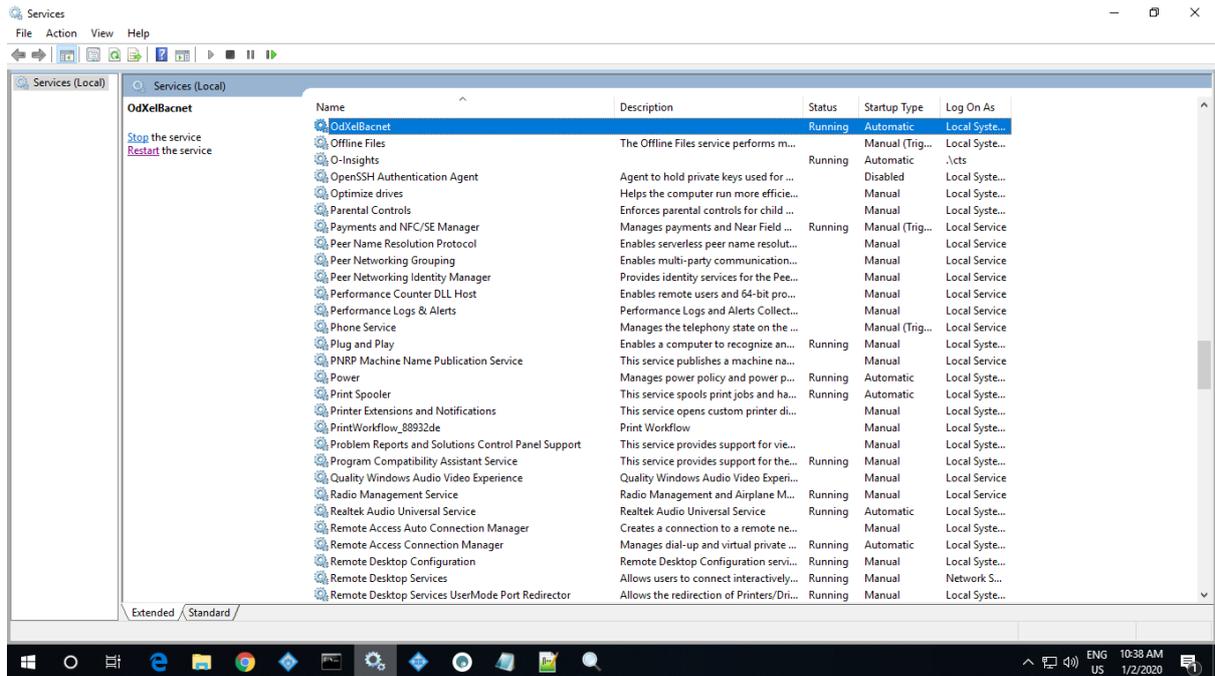
### To install the set-up

- Run the set-up file to install O-Insights for BACnet.



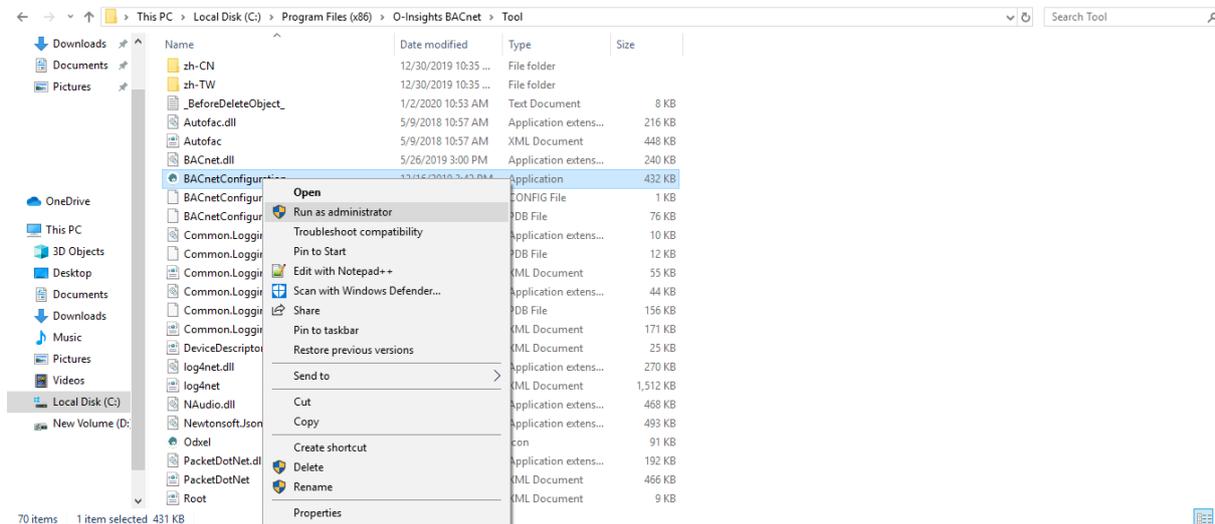
Enter the details of Milestone Server machine, its login credentials and connect to it.

Once connection is established, services will be configured and started, as shown below.

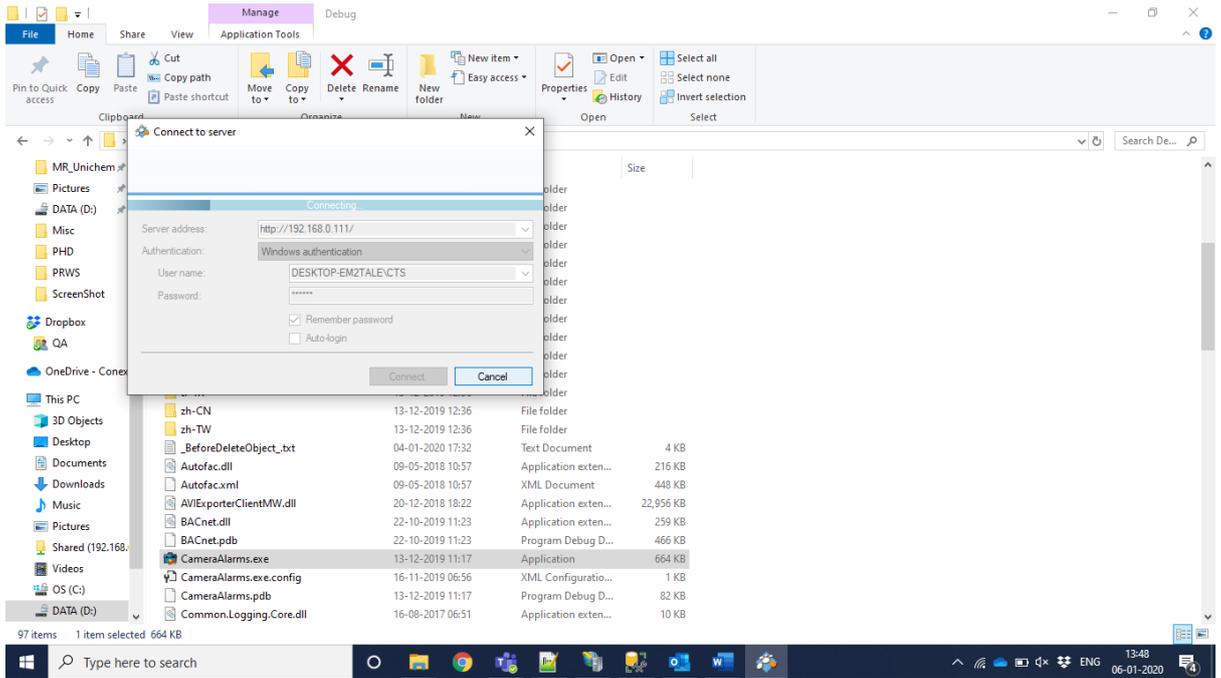


## To map Milestone events with BACnet objects

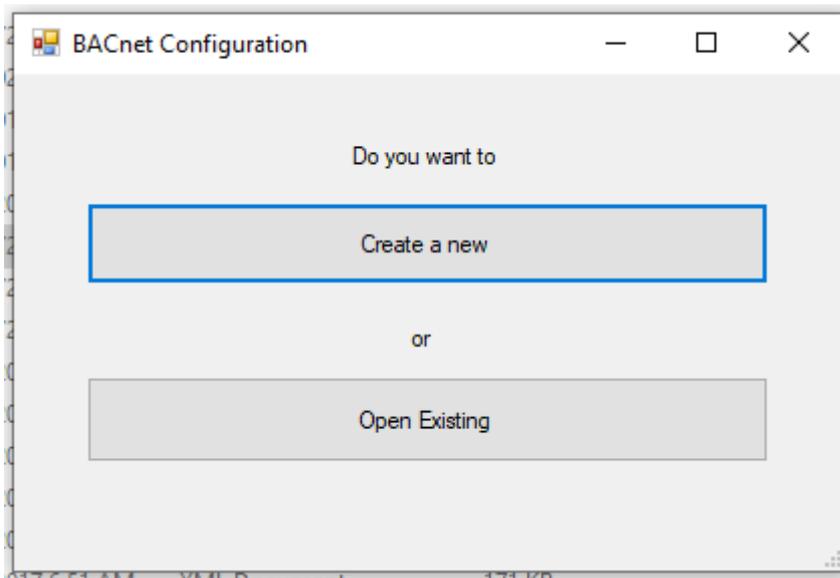
- Go to the following directory  
'[C:\Program Files \(x86\)\O-Insights BACnet\Tool](C:\Program Files (x86)\O-Insights BACnet\Tool)'
- Search for “BACnetConfigurations” (i.e. the application file) run it in **administrator** mode.



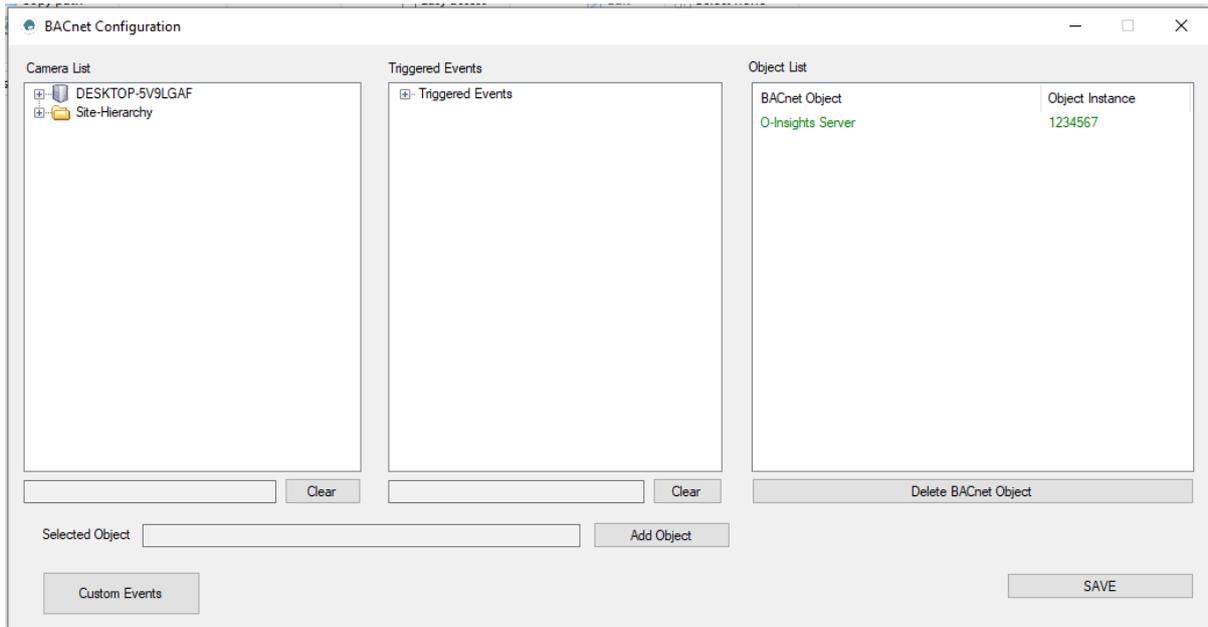
- This will try to connect to the Milestone server.



- After connection, a small window as shown below will open. Click on Create a new to create a new device descriptor configuration.

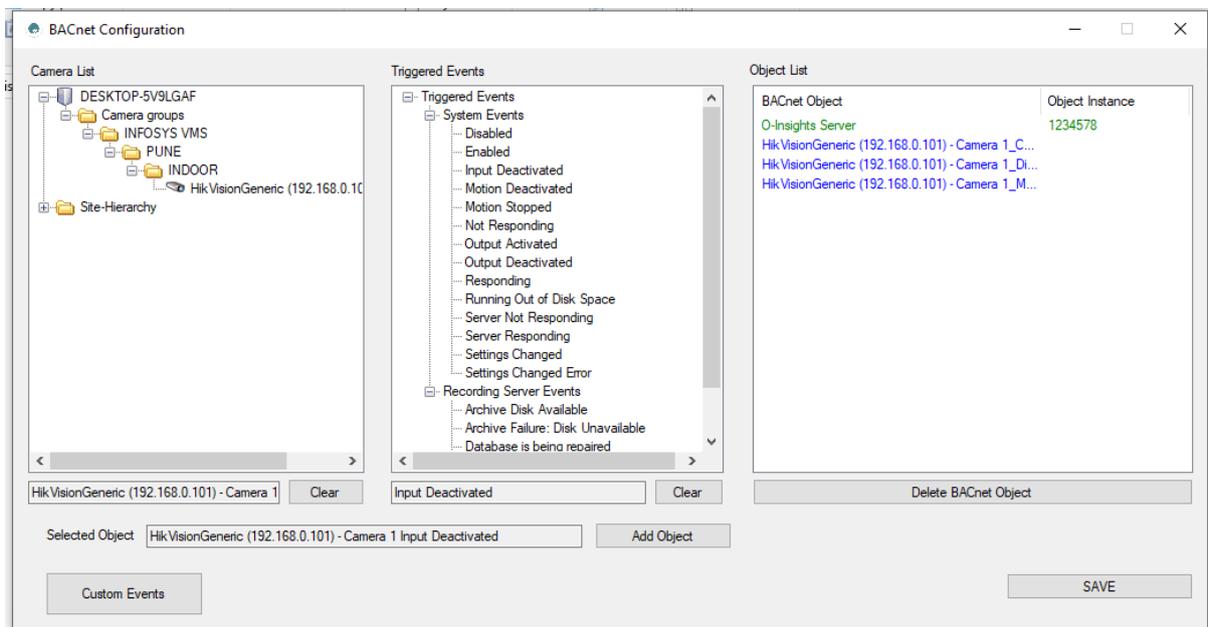


- If you want to use the existing BACnet configuration, select Open Existing, else select Create a new configuration.

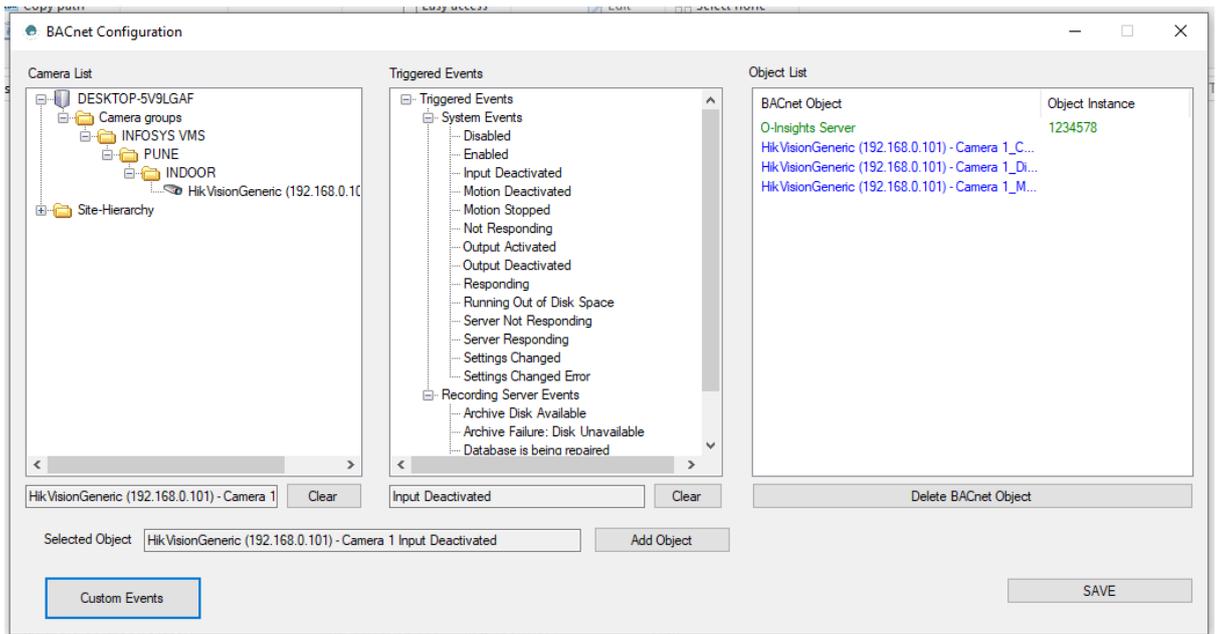


Choose required cameras from the camera list, corresponding events from event list and click Add object button to configure it. For each selected, there may be one or more events.

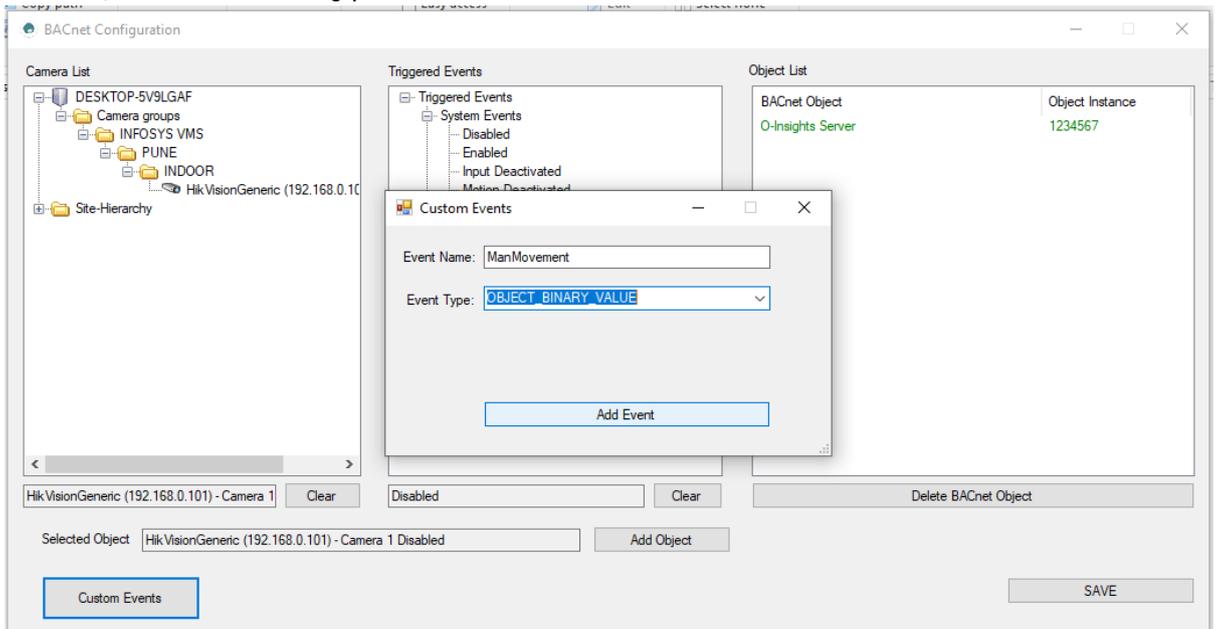
- List of all selected camera and their camera events are displayed in the third Object list in blue colour. Configuration will be saved on click of Save button.



- For custom events, click Custom Events button.



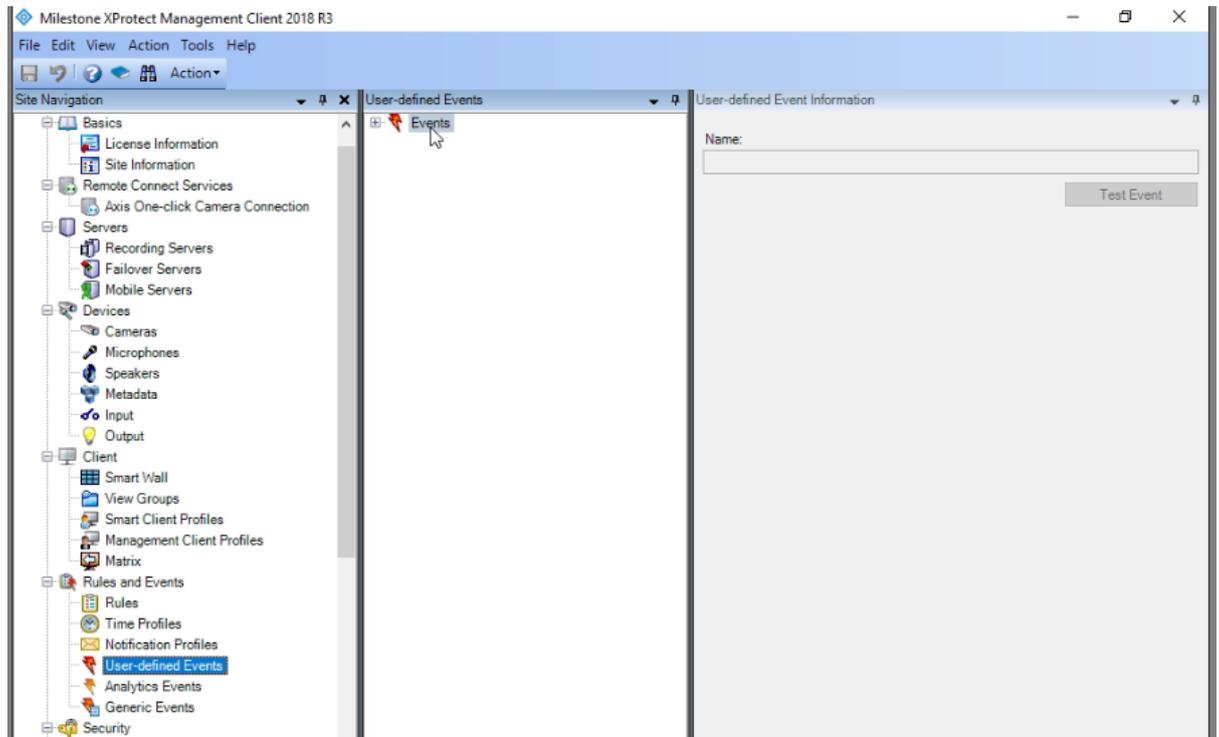
- A small window will open where in you have to enter the Event Name, select Event Type and Add Event.



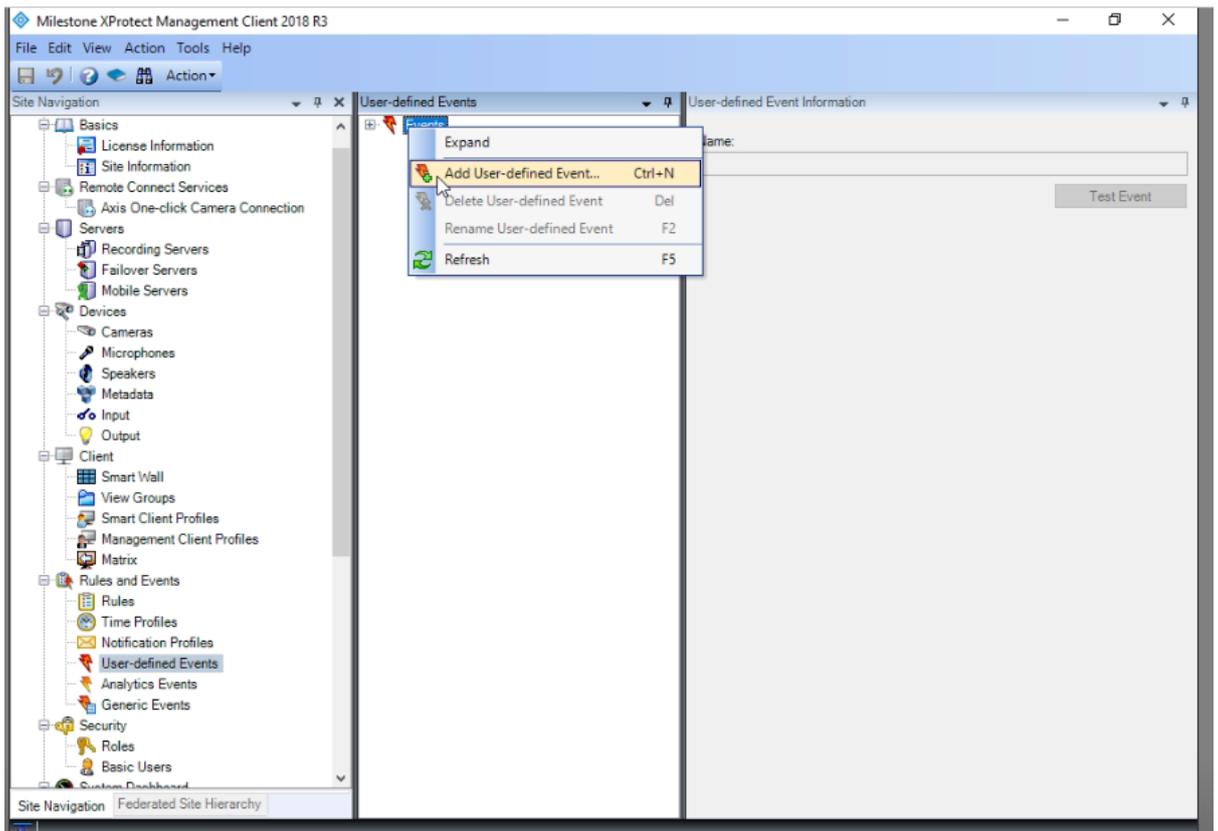
- Now restart both OdXel BACnet service followed by O-Insight service.
- All the alarms and analytical events generated in Milestone will be reflected in the BACnet objects.

## To map BMS alarms to Milestone user defined events

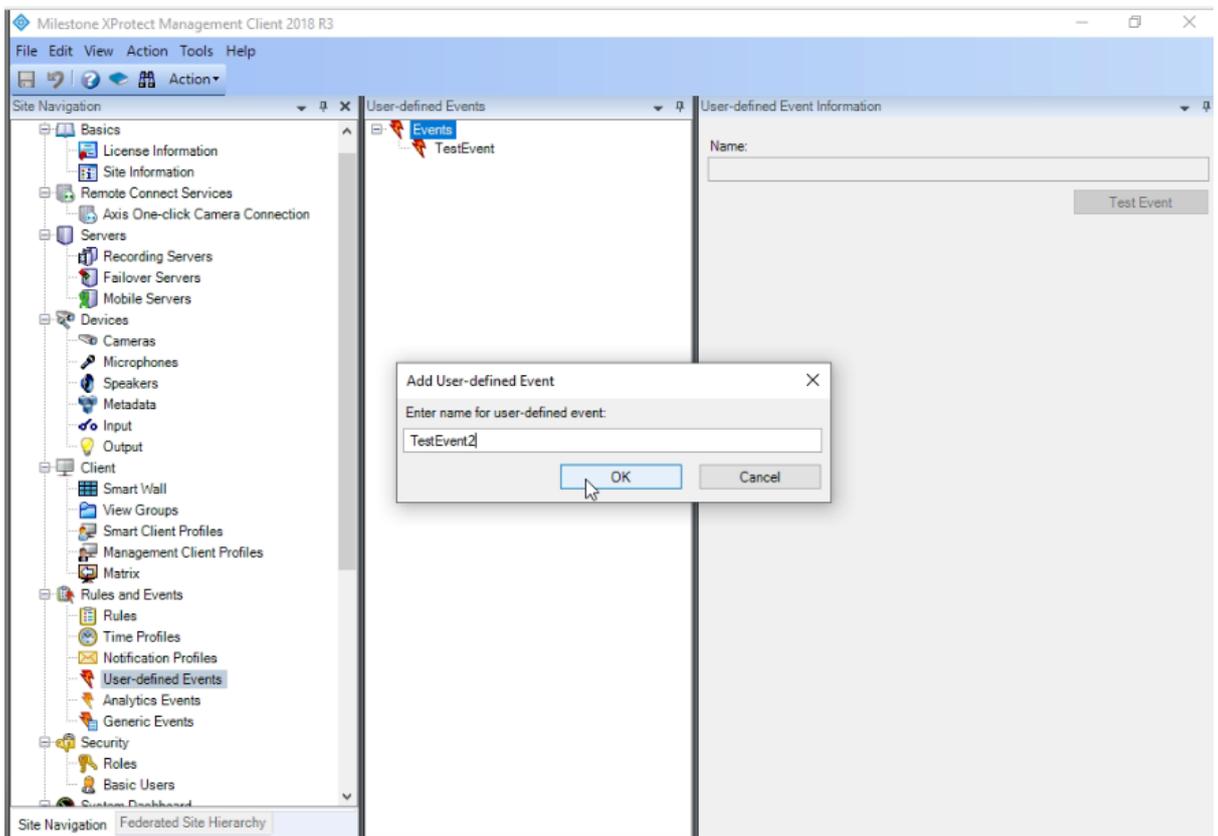
- Go to Rules and Events in Milestone server.
- Select User defined Events under that.



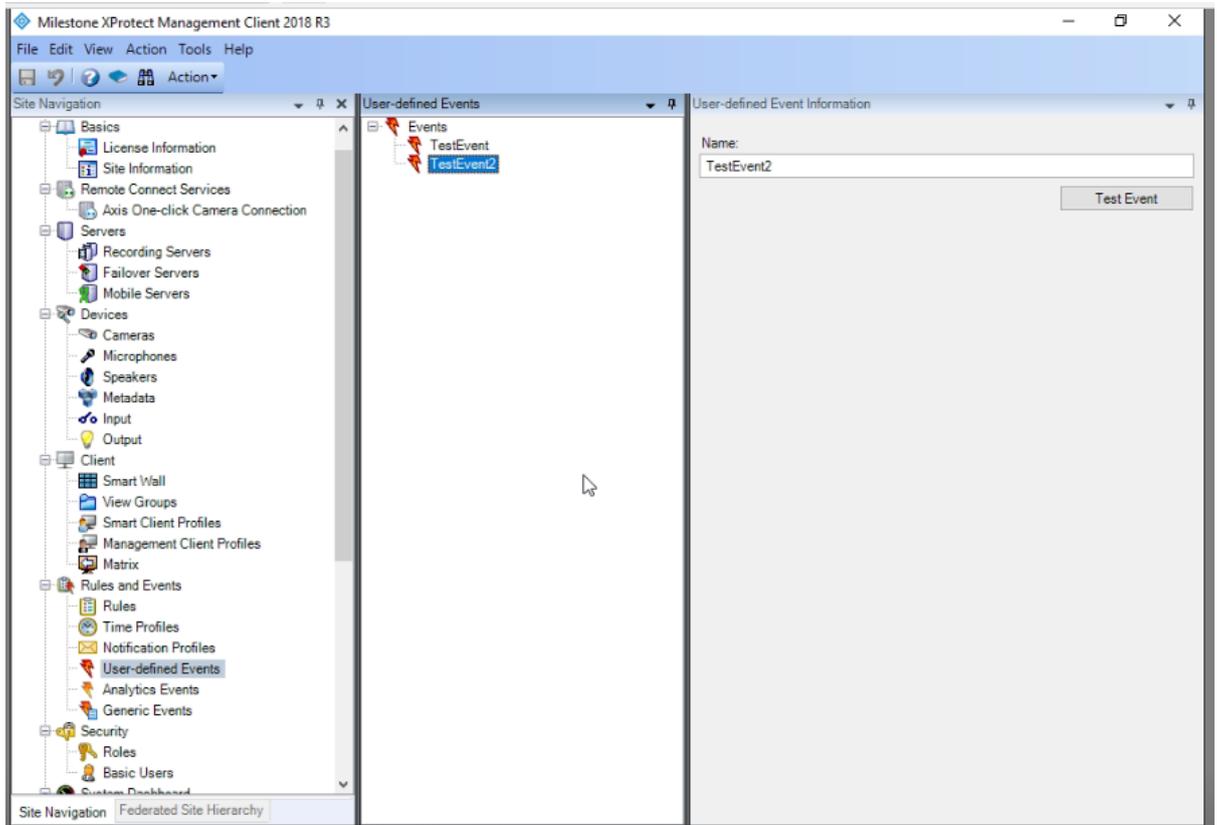
- Right click on the Events in the middle pane of window to select Add user defined Event.



- Enter the name for user-defined event in popped up window and click OK.



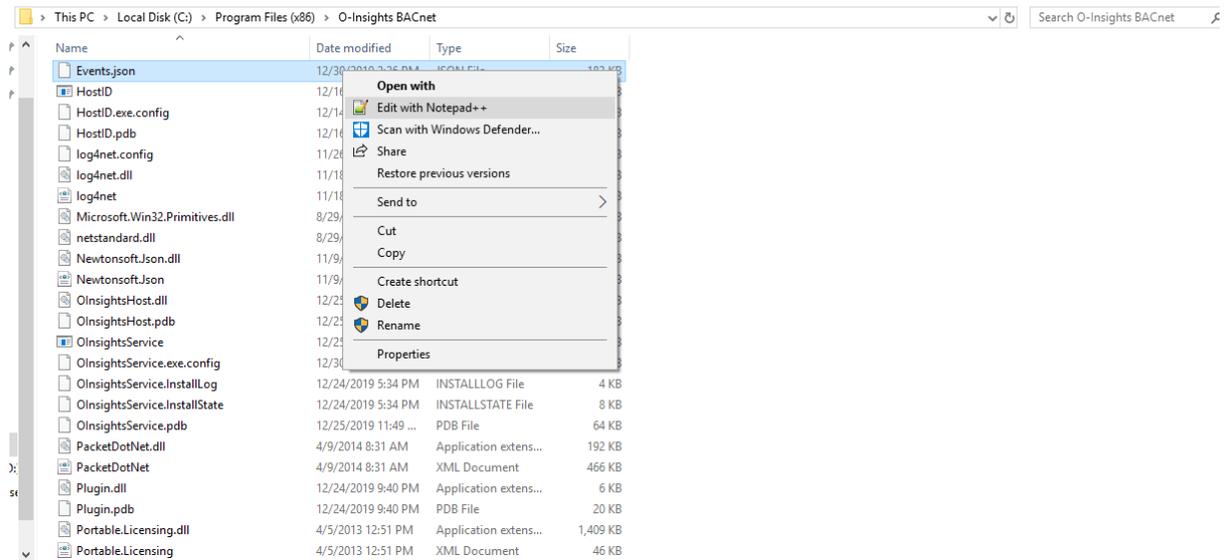
- Now this latest Event will be seen in the middle pane under user-defined events.



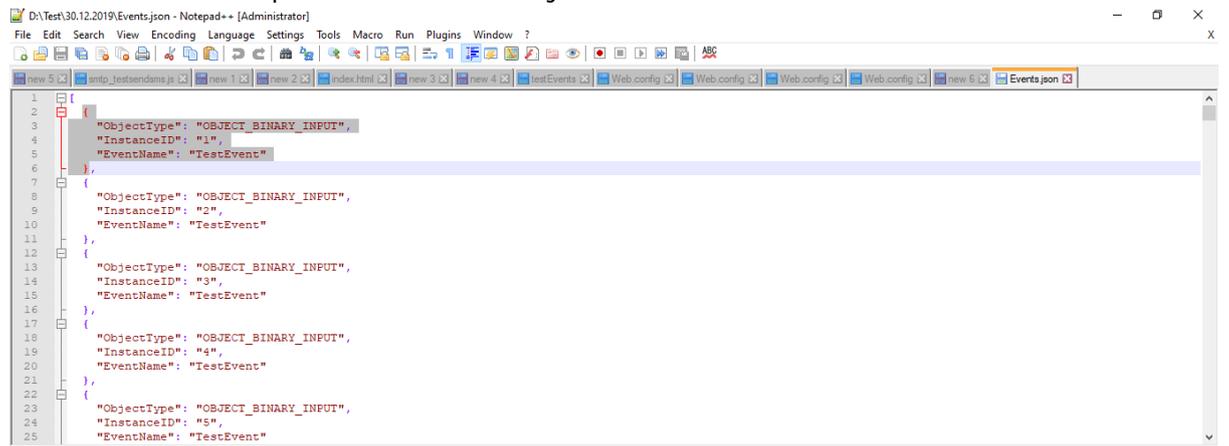
- Now BMS alarms are to be mapped to the Milestone user-defined events is kept in the "Events.json" file located in the following directory.

'C:\Program Files (x86)\O-Insights BACnet'

- Right click on this file and Edit with Notepad++ to add BMS alarms to this file.

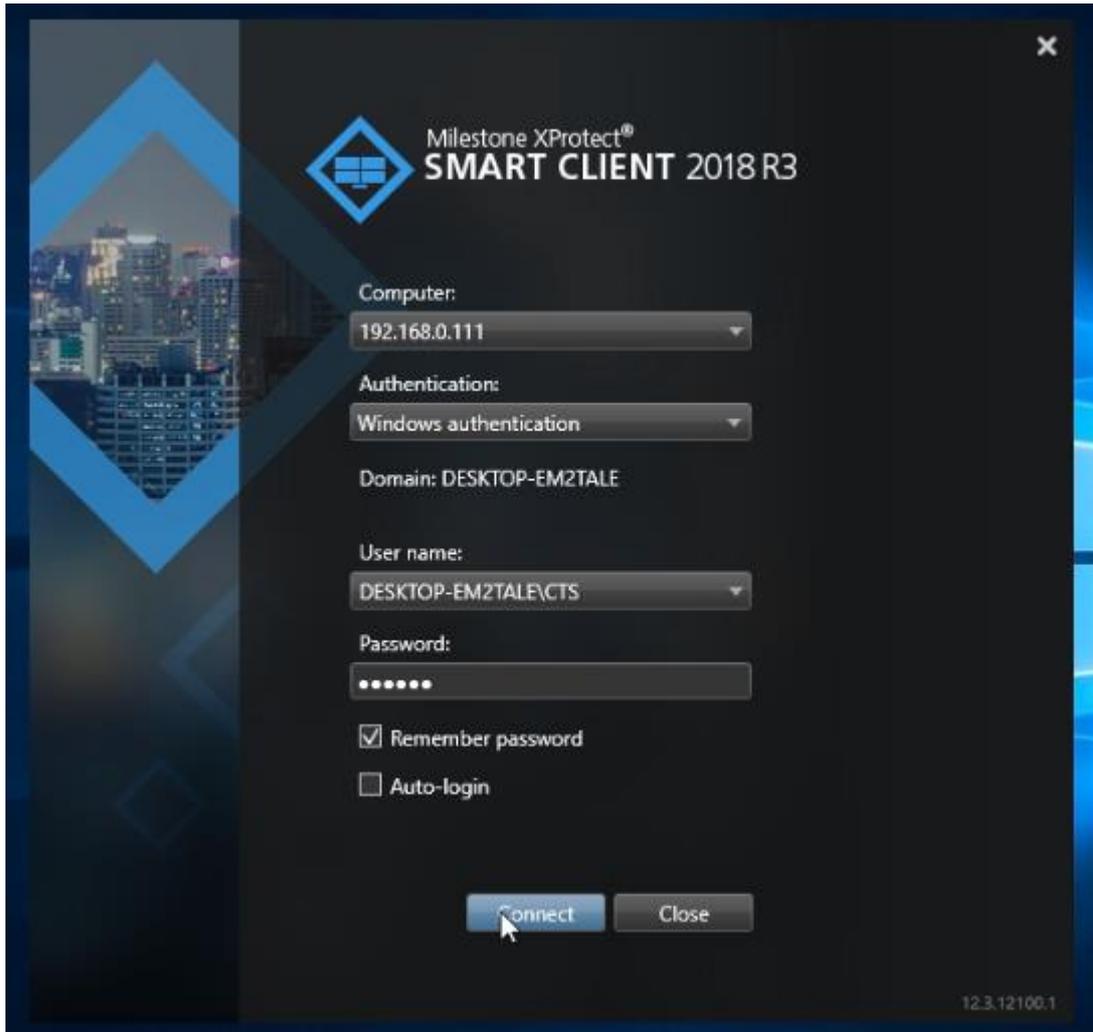


- Editing is very simple, as shown below. All the Events are to be entered in a simple format in the json.



Here Object type, Instance ID and EventName must be entered.

- Start Milestone Smart Client and go to Alarm Manager.



- Go to Alarm Manager tab, here all BMS alarms will be reflected.

The screenshot displays the Milestone XProtect Smart Client interface with the Alarm Manager tab selected. The top navigation bar includes Live, Playback, Sequence Explorer, Alarm Manager, Insights, Property, Workspace Plugin, and System Monitor. A message at the top states: "Thank you for using this trial license to demonstrate or evaluate the XProtect video management software. The trial license expires on 12/31/2019..."

The main area is split into two sections. On the left, a map area shows "No map has been selected". On the right, a camera feed from "HikVisionGeneric" is displayed, showing a timestamp of "12/30/2019 09:14:51 AM" and "Camera 81". To the right of the camera feed, a message box contains the following details:

- Message: Not Responding
- Definition: Camera Not Responding
- Type: System Alarm
- Source: HikVisionGeneric
- Custom Tag: Object
- Vendor: Location
- Description: Camera Not Responding

Below the camera feed, a table lists various alarms. The table has columns for Time, Priority Level, State Level, State Name, Message, and Source. The filter is set to "Closed (filter applied)".

Time	Priority Level	State Level	State Name	Message	Source
9:12:19 AM 12/30/2019	1	11	Closed	Not Responding	HikVisionGeneric
9:12:19 AM 12/30/2019	1	11	Closed	Not Responding	AXIS M3005 Network
4:58:51 PM 12/27/2019	1	11	Closed	Enabled	AXIS M3005 Network
4:58:36 PM 12/27/2019	1	11	Closed	Disabled	AXIS M3005 Network
4:20:01 PM 12/27/2019	1	11	Closed	Recording Stopped	AXIS M3005 Network
4:17:49 PM 12/27/2019	1	11	Closed	Not Responding	AXIS M3005 Network
4:17:33 PM 12/27/2019	1	11	Closed	Recording Started	AXIS M3005 Network
4:17:33 PM 12/27/2019	1	11	Closed	Recording Stopped	AXIS M3005 Network
4:17:26 PM 12/27/2019	1	11	Closed	Recording Started	AXIS M3005 Network
4:16:39 PM 12/27/2019	1	11	Closed	Enabled	AXIS M3005 Network
4:16:11 PM 12/27/2019	1	11	Closed	Disabled	AXIS M3005 Network

The interface also shows a "Quick Filters" sidebar with categories: New (246), In progress (0), On hold (0), and Closed (1596). The "Servers" section lists "DESKTOP-EMZTALE". The bottom status bar shows the system language as "ENG US" and the date/time as "9:05 AM 1/7/2020".