

PureActiv Administration Guide

Milestone Integration Appendix



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Revision 1

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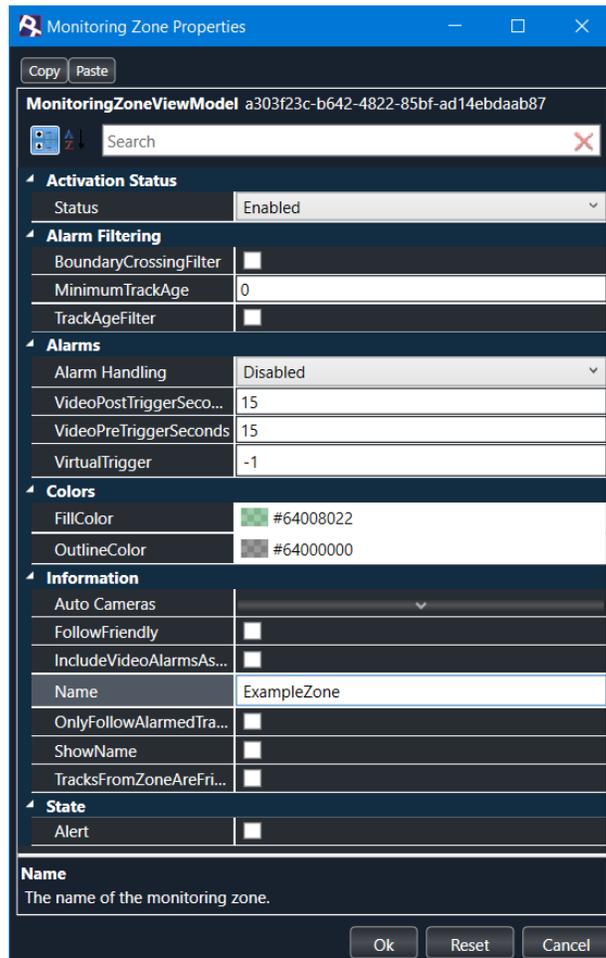
Overview

PureActiv v15 or greater supports an integration with Milestone VMS which allows sending of PureActiv alarms into the Milestone system. This guide covers the required setup to enable one method of integration using PureActiv Workstation AlertView, PureActiv Setup and Milestone XProtect Management Client. Contact PureTech Systems for additional methods of integration with Milestone. Once the integration setup is completed, alarms from specific PureActiv map zones will appear in Milestone's XProtect Alarm manager.

PureActiv to Milestone Integration Setup

Before starting, ensure TCP Communication is allowed on the selected port (default is 1234) for both the Milestone Server's Host and the PureActiv Server's Host

1. Create a monitoring zone in PureActiv workstation
 - a. Enter Admin mode from the File menu.
 - b. Create the monitoring zone by holding the Alt key and clicking on the map to define the vertices of the zone, clicking back to the first vertex to enclose the zone.
 - c. Right-click on the monitoring zone, and select properties.
 - d. Set the Status parameter to Enabled or EnabledButHidden
 - e. Give the Monitoring Zone a unique name.



Note: optionally a zone can be defined from an imported KML polygon by marking the Is Zone checkbox on the map layers window.

2. Enable the Milestone plugin service in PureActiv Setup
 - a. Enable MilestoneService in the Central Server configuration.
 - b. Click on the Configuration field to show the service XML configuration.
 - c. Edit the Milestone Destination element attributes (see example XML below):
 - Enabled = "true"
 - Port = "1234"
 - Host = "<IP Address or Hostname of Milestone Server>"

```
<Destination Enabled="true" Name="" MessageType="GenericEvent">
  <Connection Host="10.123.1.15 Port="1234" TransmissionTimeoutSeconds="3.0"
  MaxAttempts="2"/>
</Destination>
```

- d. Once changes are completed, click the Save, and then the Apply buttons on the PureActiv Setup application menu.

3. Configure Milestone for reception of Generic Events

- a. Launch the Milestone XProtect Management Client
- b. Click the Tools Menu: Tools -> Options -> Generic Events Tab
- c. Select data source: Compatible
- d. Mark the Enabled checkbox
- e. Enter port to use (default is 1234)
- f. Set to TCP
- g. Set to IPv4
- h. Add Allowed external IP addresses

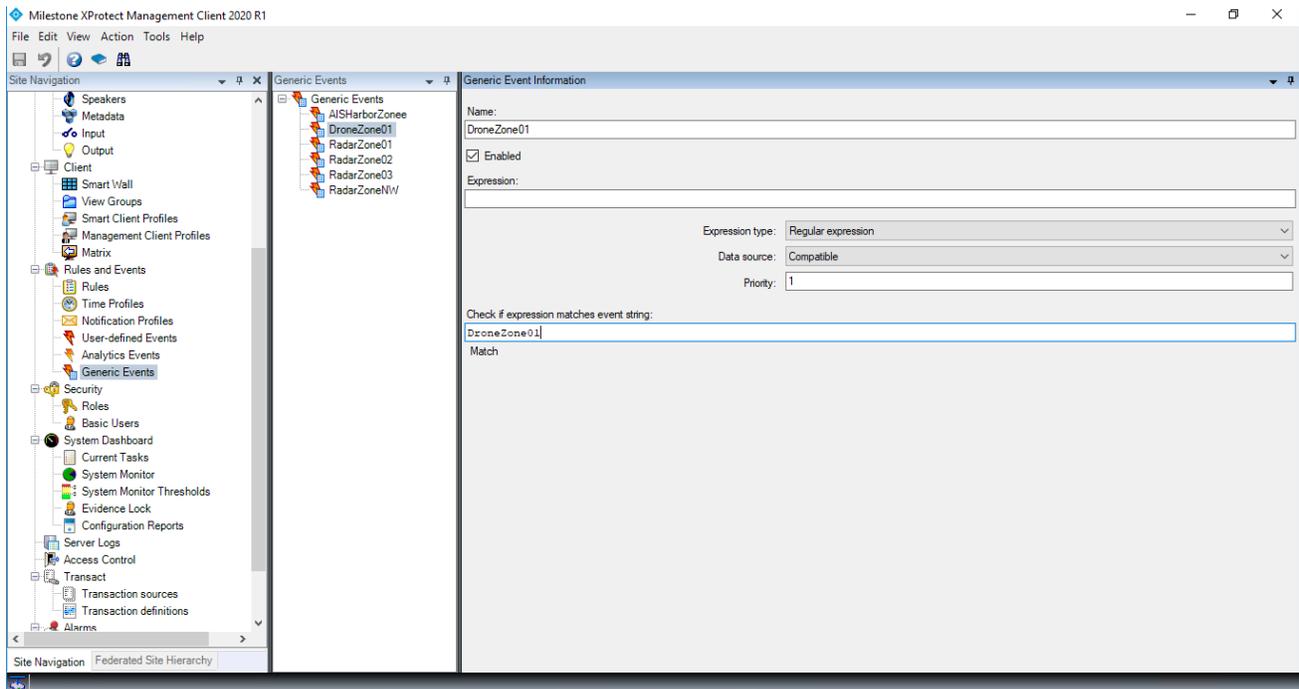
The screenshot shows the 'Options' dialog box with the 'Generic Events' tab selected. The 'Generic events' section is active, showing a list of data sources with 'Compatible' selected. The 'Selected data source' section is configured with the following settings:

- Name: Compatible
- Enabled:
- Port: 1234
- Protocol: TCP
- IP Version: IPv4
- Separator bytes: (empty)
- Echo all bytes:
- Western European (Windows):
- Show all:
- Allowed external IPv4 addresses: 192.168.68.39; 172.18.91.209
- Allowed external IPv6 addresses: (empty)

Buttons at the bottom include 'New', 'Delete', 'Help', 'OK', and 'Cancel'.

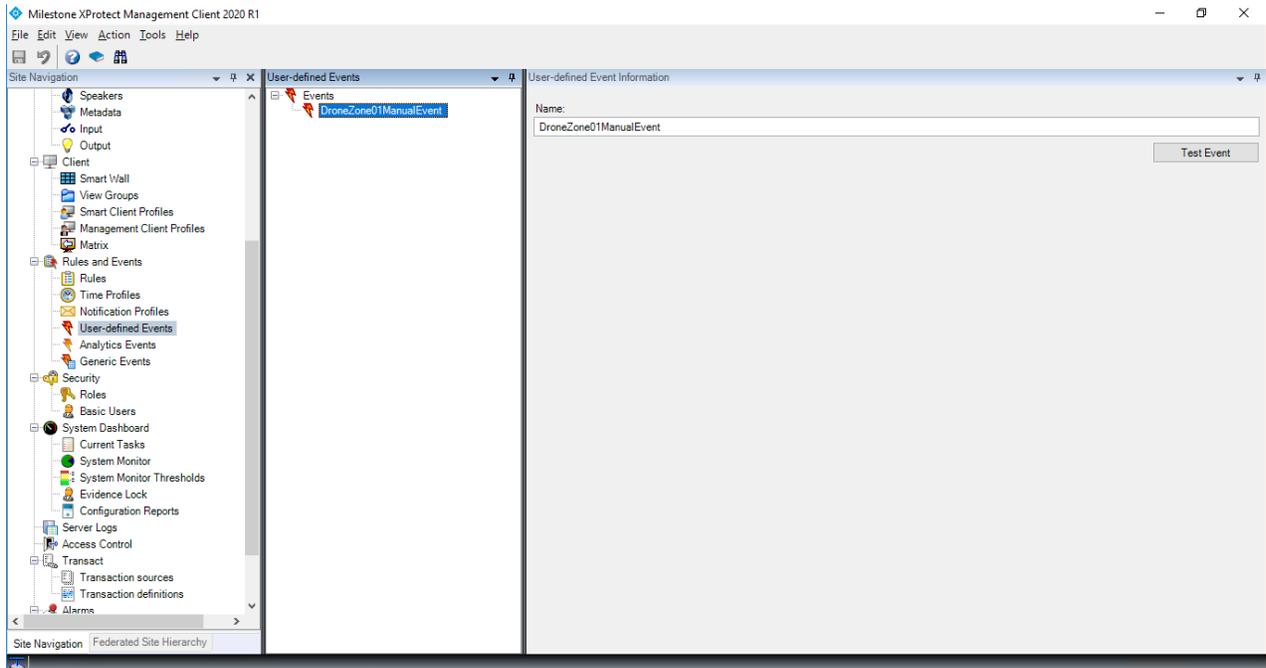
4. Configure Milestone XProtect to display events

Add Generic Event Definition(s)



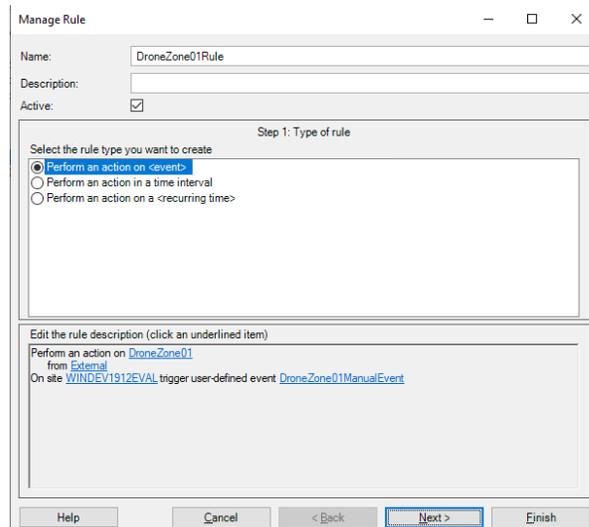
- a. Expand the Rules and Events section from the Navigation pane and then click Generic Events
- b. Right-click on the Generic Events pane, and then select Add New.
- c. Give the event a name which matches the name defined in the PureActiv monitoring zone.
- d. Check the Enabled checkbox.
- e. Change the Expression Type to Regular Expression then clear the Expression field.
- f. Change the Data Source to Compatible
- g. Use the Check Expression field to ensure the name matches the event string: <Name of Monitoring Zone defined in PureActiv Workstation>

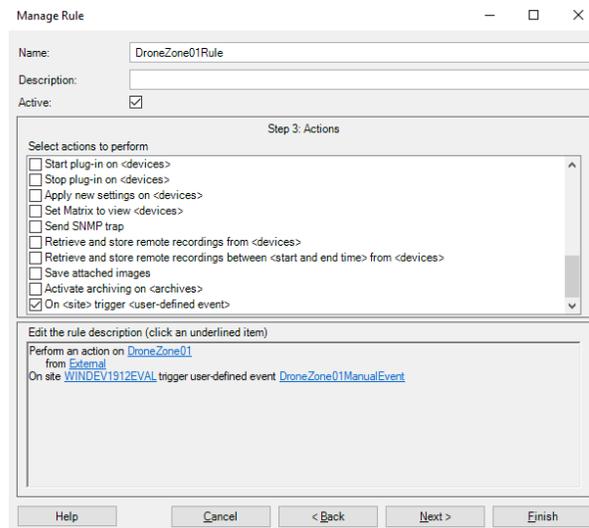
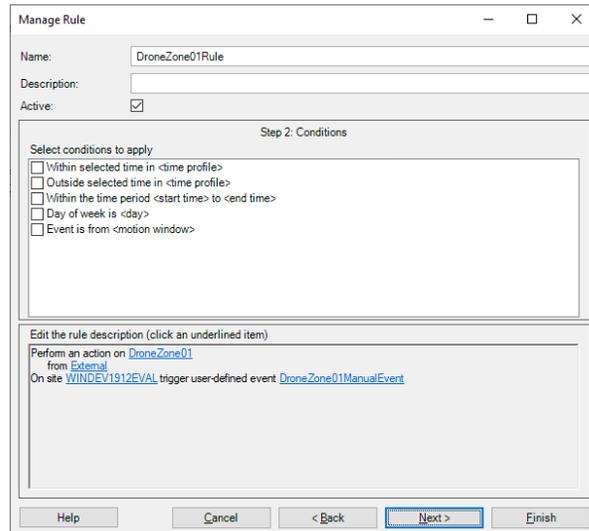
Add User-Defined Event(s)



- h. Click on User-defined Events item in the Rules and Events section.
- i. Right-click on the User-Defined Event pane and select Add User-Defined Event.
- j. Give the User-Defined event a name.

Add Rules for Events

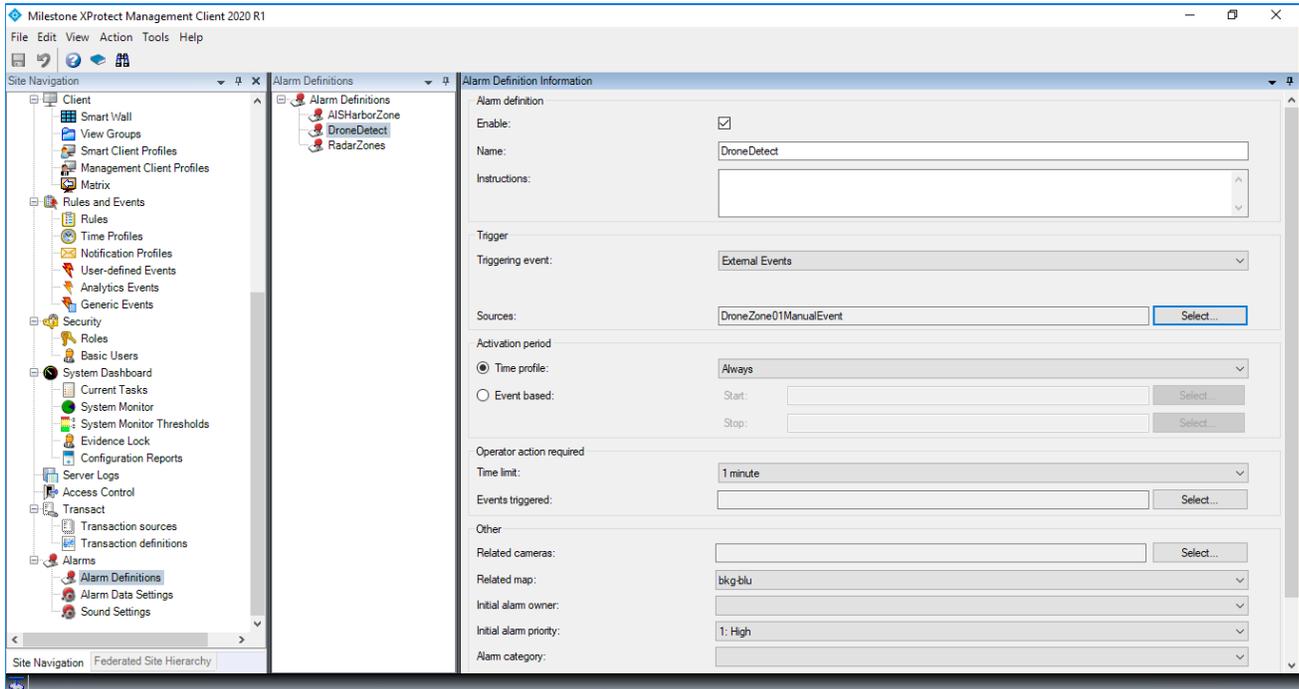




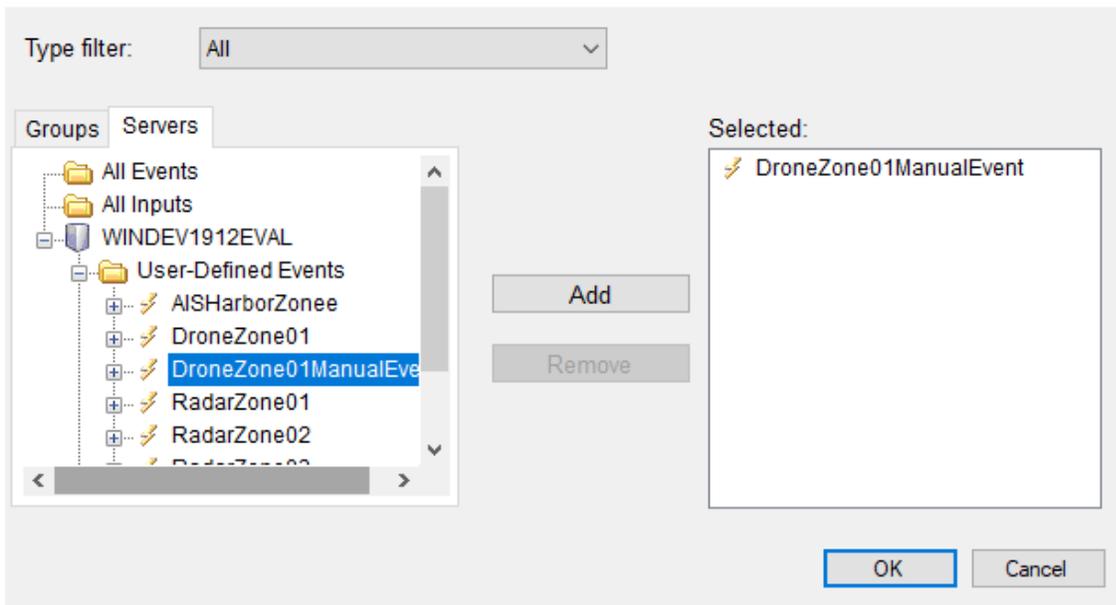
- k. Click on Rules item in the Rules and Events section.
- l. Right-click on the Rules pane and select Add Rule.
- m. On the Add Rule window give the Rule a name, and mark the active checkbox.
- n. In the Step 1: section of the Add Rule window, select the Perform an action on <Event>
- o. Next, click on the event hyperlink in the bottom pane of the Add Rule window, and navigate through the tree to find the Generic Event created earlier. Then, click the next button.
- p. On the Step 2: Condition no selection is required, click the Next button.
- q. On the Step 3: Action section, select 'On <site> trigger <user-defined event>

- r. In the rule description section click the site hyperlink, and select the server. Then click the 'user-defined-event' hyperlink and select the user-defined event created earlier.
- s. Click the Finish button to close the dialogue and create the rule.

Add Alarm(s)



Select Sources



- t. Expand the Alarms section of the Navigation pane, and then select Alarm Definitions.
- u. Right-click on the Alarm Definitions pane and select 'Add Alarm'.
- v. Ensure the Enabled checkbox is checked.
- w. Give the Alarm an identifying name.
- x. In the Triggering Definition field select 'External Events'
- y. Click on the 'Select' button next to the Sources field.
- z. On the Source Select window, click the Servers tab. Then, select the server, and expand User Defined Events.
- aa. Select the name of the User-Defined Event (Not the Generic Event)
- bb. Save the Changes in from the File menu or toolbar button.

Testing the configuration

- cc. Launch Milestone XProtect Smart Client
- dd. Trigger an alarm in PureActiv which references a Monitoring Zone that was setup in Milestone.
- ee. View Alarm in Alarm Manager in Milestone XProtect Smart Client and ensure the alarm appears.