INTEGRATION GUIDE

IQ-SERIES with MILESTONE VMS

iOmniscient IQ Series integration with Milestone VMS

IQ series is capable of receiving video from both Milestone VMS and sending events back to Milestone VMS. It was tested here with Milestone Corporate 6.1a and Enterprise 8.1a. The IQ Server will process a video stream that can either be streamed from the Milestone VMS or from any other supported video source.

Any camera from Milestone can be added in IQ server. When adding camera, select VMS protocol in video Input type, Milestone XProtect 8x in Brand name and enter IP address where Milestone server is running, proxy name is the camera name (name in Milestone server) as shown here, username & password of basic user and port number of Milestone server in Set URL form.

```
Hardware Devices
    Hardware Device 1
        Camera 1
        Speaker 1
        Microphone 1
    Hardware Device 2
        Camera 2
```

If this camera stream is configured to send analytic events to Milestone VMS, it will do so as each alarm is generated. Alarm events are sent to the Milestone VMS Event server. Alarms can be viewed in Milestone client.

Alarm type, camera name, server name, snapshot of alarm image from iQ Series with bounding box and all other relevant alarm information can be seen in Milestone client in IQ Analytic tab and Alarm manager.

User can change status of any alarm. Also, alarms can be filtered based on camera name or alarm type or alarm status. Before alarms were saved on Milestone server side but it has size limit on storing data so now alarms are saved on IQ server side.

To view alarm in Milestone client, the setup needed to be done on Milestone server side and IQ server side is as follow:
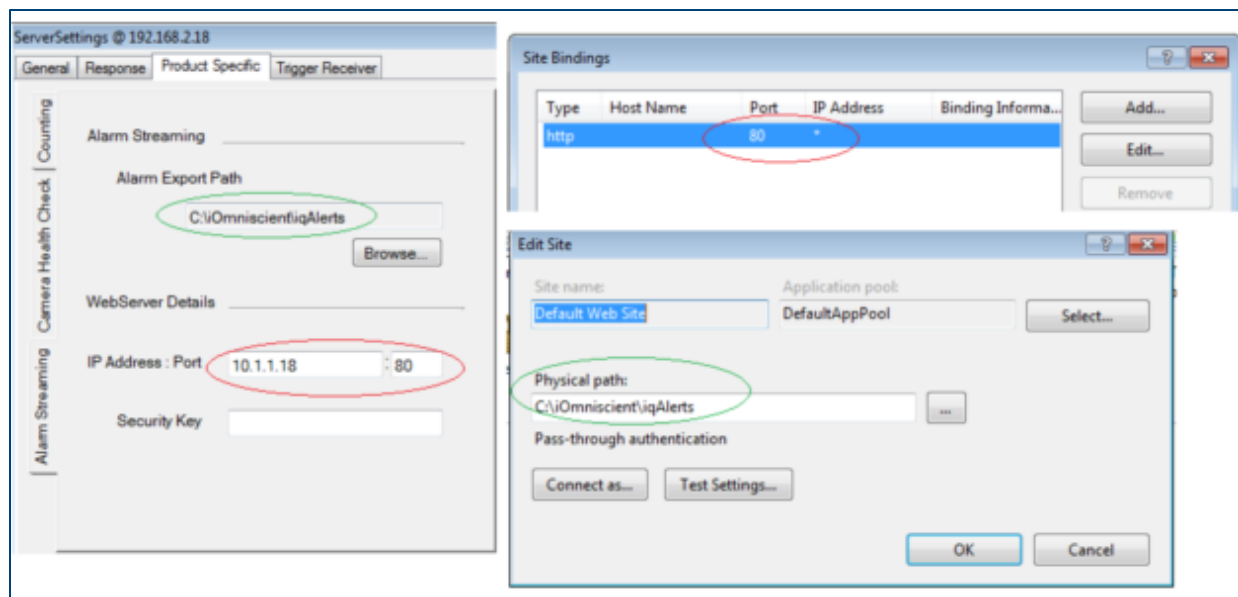
Set up on IQ server side:

To store alarms in IQ server side IIS should be setup in computer. To set up IIS go to control panel → Program & features. Click on Turn windows features on or off. Install Internet information services (IIS). Make sure directory browsing is enabled.

In IQ client, go to preferences → Server settings → Product specific → Alarm streaming. Settings in IIS for default website should match with settings in IQ client as shown below:
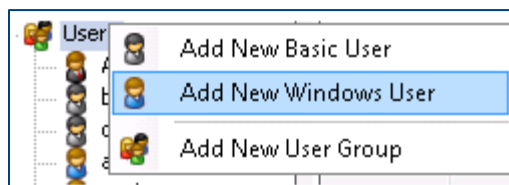
Any port number which is not in use by other application and local path or remote shared path with read/write access can be given.

To check if it working open URL localhost: port number in any browser. It should point to given path.

**Set up on Milestone server side:**

- Add Window user in server by right clicking users in Milestone Server left hand side tree as shown:
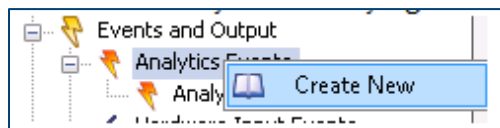

In Milestone corporate window, user can be added in roles. If user is inside role other than administrator then rights to view alarms should be given inside user and group.
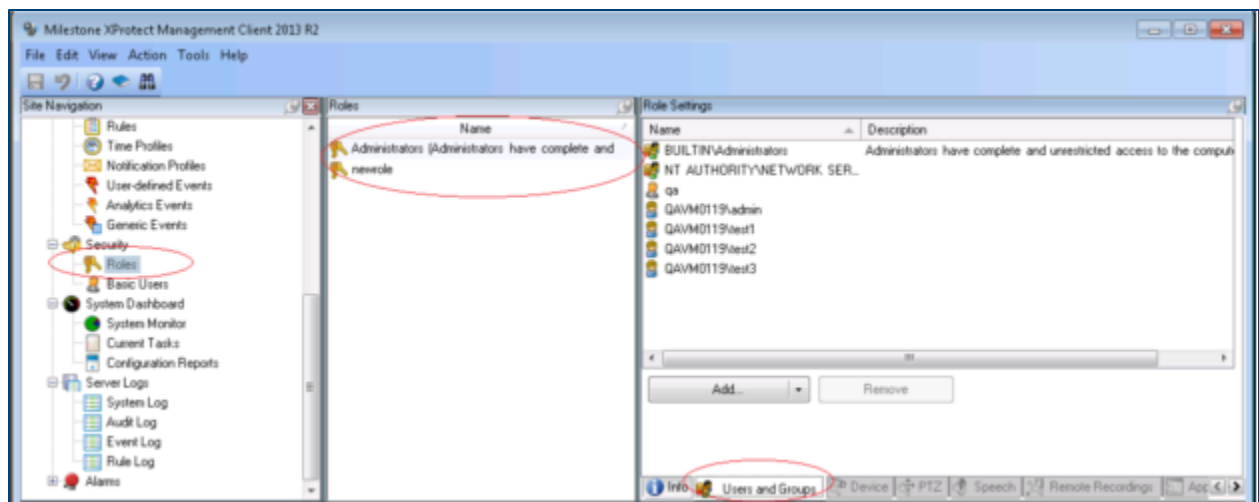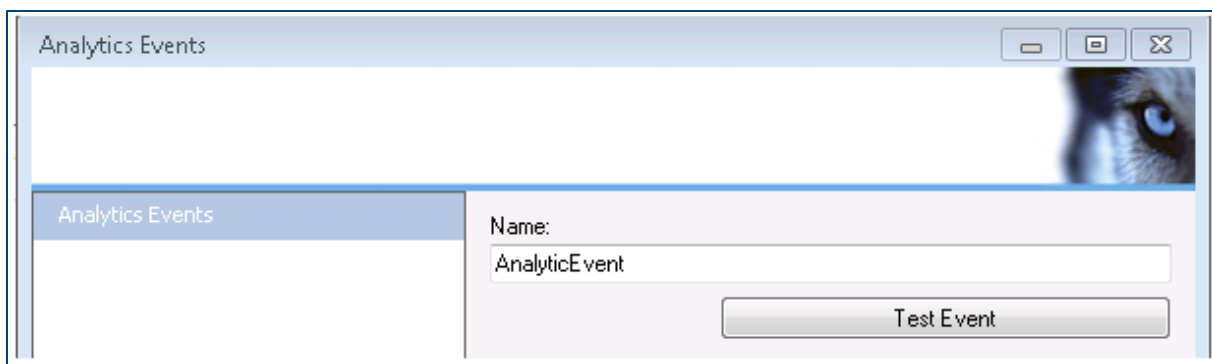
Window user added above should be present in local user in computer management or it should be domain user.
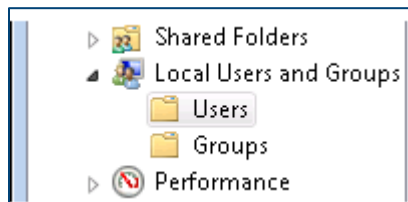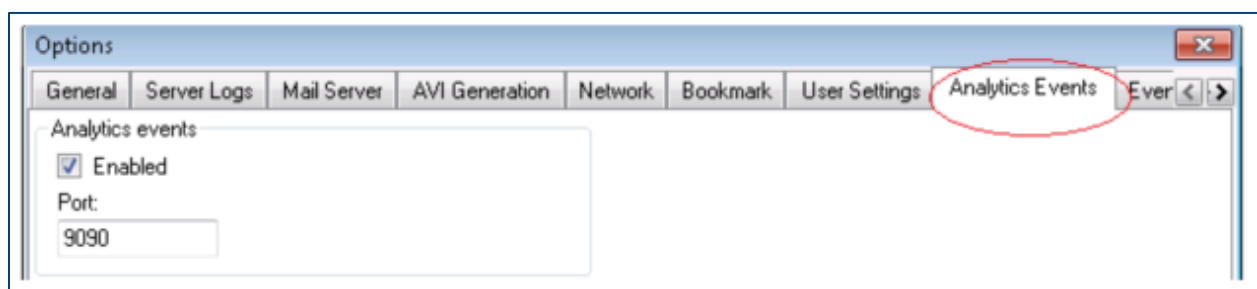

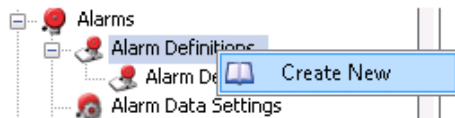- Create new analytic event by right clicking 'Analytics Events' tab as shown:

Make sure event name is AnalyticEvent and click ok:

Click 'Test Event' to check if it working. In corporate Milestone, Analytics Event should be enabled inside tools → options → Analytic events

- Add new alarm definition under Alarms with the following settings:

- Make sure IQ plugin is available within the Milestone Client's 'MIPPlugins' folder. Relative path is like this \\Milestone\XProtect Smart Client\ MIPPlugins

Note:

1. Date and time where IQ server and Milestone server is running should be same so that Alarm time is correct.
2. If an alarm is sent and is lost in the network, there will be no attempt to send it again.
3. Basic user will not work.