

Analytics Events turned into Alarms displaying in the Smart Client.

Show custom information in the Smart Client.

When you make send in analytics events to the Event Server you can include more information. Two text fields are especially interesting as they can be used in the Smart Client without doing any Smart Client development, but just using the Smart Client as it is.

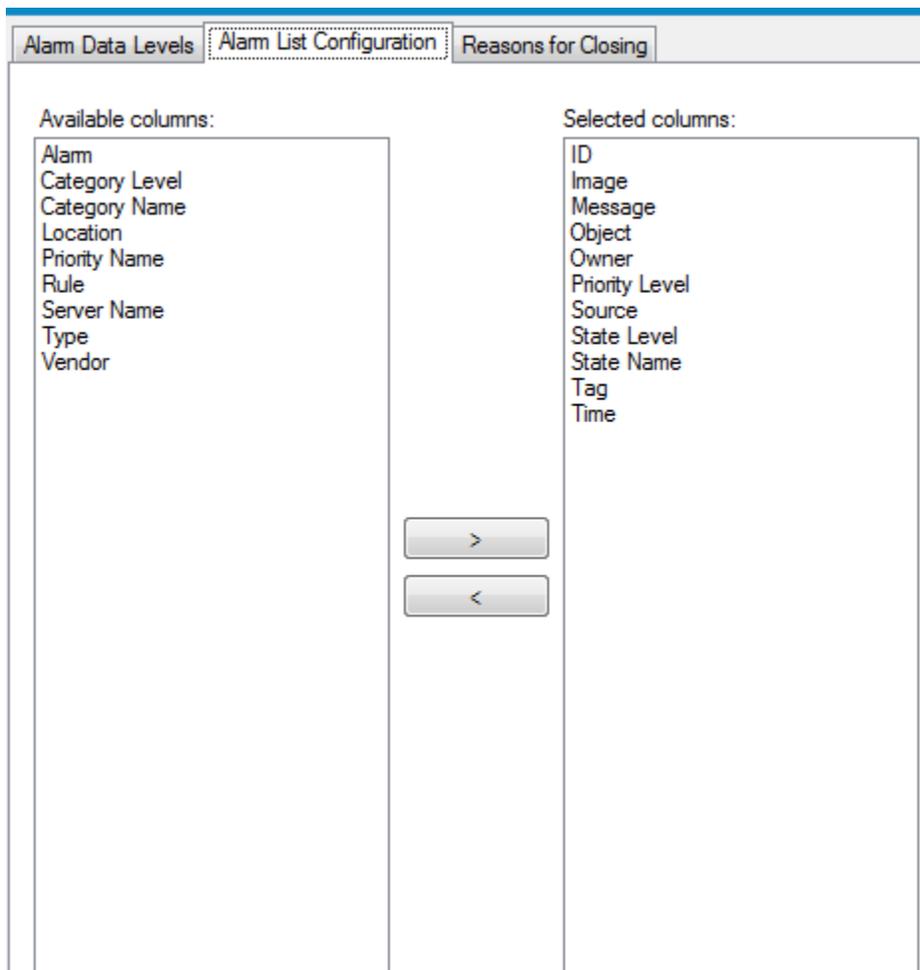
The two fields in the Smart Client Alarm List are Tag and Object. In the Analytics object/XML they are CustomTag and ObjectList-Object-Value.

```
<CustomTag>TagFromXML</CustomTag>

<ObjectList>
  <Object>
    <Name>Rectangle</Name>
    <Value>A suspect item</Value>
  </Object>
</ObjectList>
```

Figure 1: Example XML

To make sure the Alarm List in Smart Client will show these fields you must do the following configuration in the Management Client / Management Application.



Alarm Data Levels | **Alarm List Configuration** | Reasons for Closing

Available columns:

- Alarm
- Category Level
- Category Name
- Location
- Priority Name
- Rule
- Server Name
- Type
- Vendor

Selected columns:

- ID
- Image
- Message
- Object
- Owner
- Priority Level
- Source
- State Level
- State Name
- Tag
- Time

>

<

Figure 2: Configure Alarm List

You will get the following result in the Smart Client:

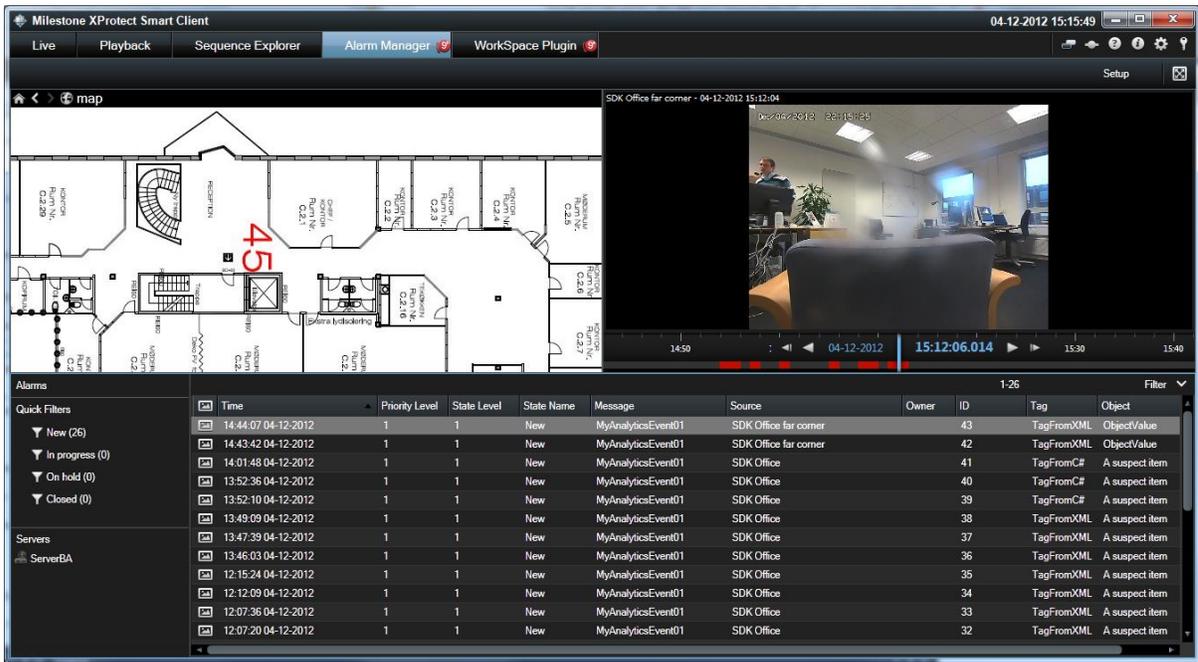


Figure 3: Smart Client Alarm List showing Tag and Object columns

The Smart Client does also have the ability to show an Event List, when you click Setup you will see

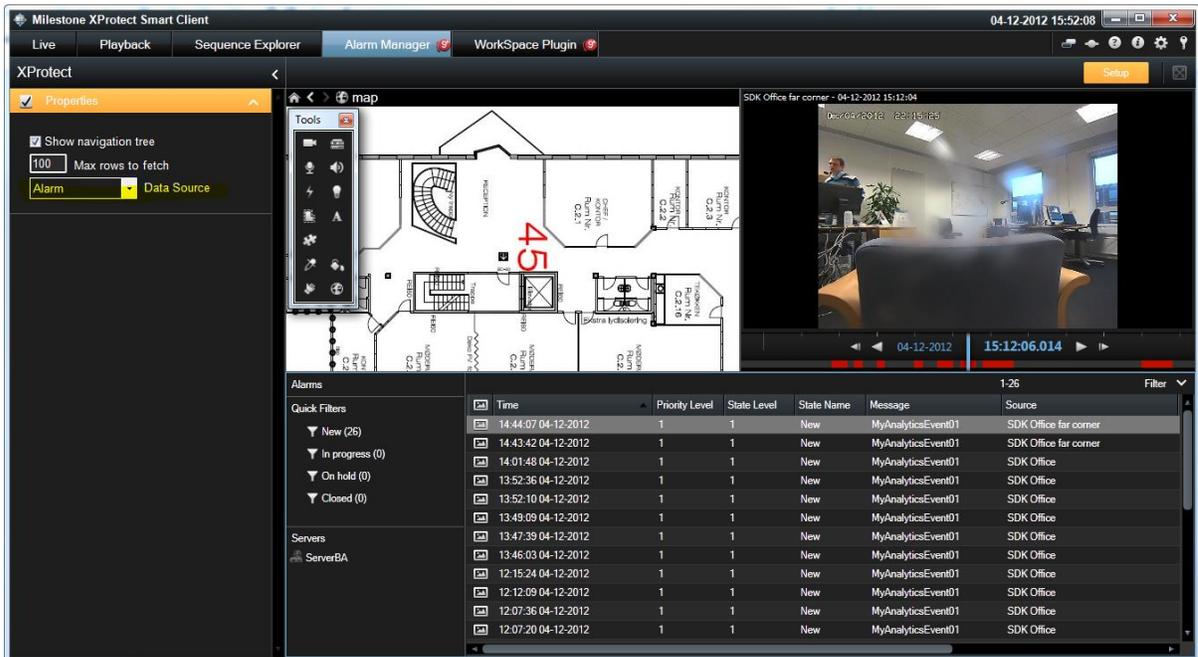


Figure 4: Smart Client setup to change from Alarm to Event in the "Alarm" List

You will see this instead

The screenshot displays the Milestone XProtect Smart Client interface. At the top, the title bar reads "Milestone XProtect Smart Client" and the system clock shows "04-12-2012 15:09:26". The main menu includes "Live", "Playback", "Sequence Explorer", "Alarm Manager", and "WorkSpace Plugin". Below the menu, there is a "map" view on the left showing a floor plan with a red "45" overlaid on a room. To the right of the map is a video feed titled "SDK Office far corner - 04-12-2012 15:09:23" showing an office interior with the text "After database end" overlaid. At the bottom, an "Events" table is visible, showing a list of events with columns for Time, Message, Source, Owner, ID, Tag, and Object.

Time	Message	Source	Owner	ID	Tag	Object
14:44:07 04-12-2012	MyAnalyticsEvent01	SDK Office far corner		4960	TagFromXML	ObjectName
14:43:42 04-12-2012	MyAnalyticsEvent01	SDK Office far corner		4959	TagFromXML	ObjectName
14:41:40 04-12-2012	Enabled	SDK Office		4941		
14:41:40 04-12-2012	Enabled	SDK Office far corner		4942		
14:41:40 04-12-2012	Enabled	Rising signal on input 6, alert event by		4943		
14:41:40 04-12-2012	Enabled	Rising signal on input 5, alert event by		4944		
14:41:40 04-12-2012	Enabled	Rising signal on input 4, alert event by		4945		
14:41:40 04-12-2012	Enabled	Rising signal on input 1, alert event by		4946		
14:41:40 04-12-2012	Enabled	Falling signal on input 1, alert event		4947		
14:41:40 04-12-2012	Enabled	Falling signal on input 6, alert event by		4948		
14:41:40 04-12-2012	Enabled	Falling signal on input 5, alert event by		4949		
14:41:40 04-12-2012	Enabled	Falling signal on input 4, alert event by		4950		

Figure 5: Smart Client Event List

Note: Some versions of Smart Client have the Event List using Object-Name while the Alarm List uses Object-Value. Future Smart Clients will use Object-Value in the object column. For best backwards compatibility you can put the same value in both Object-Value and Object-Name.

The correlation between Smart Client Alarm List and the Analytics Events tags.

The following table shows the Smart Client Alarm List columns and how they correspond with the Analytics Event. The columns entries marked in *red* are not shown in the Smart Client per default which means they must setup to be shown in Alarm List Configuration in the Manager (Management Client/Management Application), and afterwards must be setup to be shown in the Smart Client Alarm list (right-click the Alarm List header row and pick the columns to include).

Smart Client Alarm list column	Inherit from Analytics Event	Alarm Management feature	Analytics Event xml tag	Analytics Event class member	Notes
Image					
Time	Yes		<Timestamp>x </Timestamp>	.EventHeader .Timestamp	
Priority Level		Yes			
State Level		Yes			
State Name		Yes			
Message	Yes		<Message>x </Message>	.EventHeader .Message	Name of the Analytics Event as the setup in the Manager
Source	Yes		<Source>... </Source>	.EventHeader .Source	Source device (most often camera)
Owner		Yes			
ID					
<i>Priority Name</i>		Yes			
<i>Category Level</i>		Yes			
<i>Category Name</i>		Yes			
<i>Alarm</i>					Name of the Alarm Definition as setup in the Manager
<i>Rule</i>			<RuleList> <Rule> <Type>x </Type> </Rule> </RuleList>		If left out "Alarm Definition" is displayed, otherwise [blank] is displayed

Smart Client Alarm list column	Inherit from Analytics Event	Alarm Management feature	Analytics Event xml tag	Analytics Event class member	Notes
<i>Vendor</i>	Yes		<Vendor> <Name>x </Name> </Vendor>	.Vendor.Name	
<i>Location</i>	Yes		<Location>x </Location>	.Location	
<i>Tag</i>	Yes		<CustomTag>x </CustomTag>	.EventHeader .CustomTag	
<i>Type</i>	Yes		<Type>x </Type>	.EventHeader .Type	
<i>Object</i>	Yes		<ObjectList> <Object> <Value>x </Value> </Object> </ObjectList>	.ObjectList[0] .Value	If <ObjectList> contain more than one <Object> only the value of the first object is displayed.
<i>Server Name</i>	(Yes)				

You can build your own Smart Client Plug-in to act as a replacement for the native Smart Client Alarm List, you cannot display more of the information from the Analytics Event in the native Smart Client Alarm List than what is listed.

Object, Tag, Type and Location are the ones you as a developer can utilize freely and will be able to display in the Smart Client Alarm List.