

Description: Guide to the configuration of global alarm subscriptions and filters in the Unified Data Manager.

OS Requirement: Win 2000/2003/XP/Server 2000/Server 2003/Vista

General Requirement: N/A

Introduction

The Unified Data Manager (UDM) enables the centralized management of commonly used expressions, value sets, groups, alarm subscriptions, filters, recipes and event triggers across GENESIS32 and BizViz products. This document will help you understand global alarm subscriptions and filters from the configuration point of view and will demonstrate how they are used.

In order to get a global overview of all UDM functions, you can see other application notes about this tool or the UDM whitepaper.

Alarm Subscriptions

Subscriptions are used to inform the OPC Alarms/Events Server which alarms we want to be informed about. These global subscriptions can be used by alarm clients such as the AlarmWorX32 Viewer, AlarmWorX32 Logger or AlarmWorX32 Multimedia.

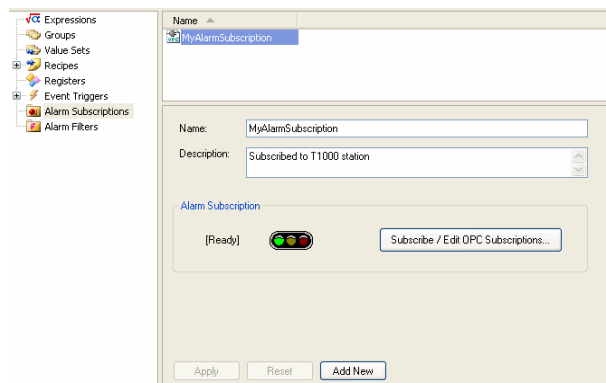
Creating a New Alarm Subscription

1. Launch the Unified Data Manager by going to Start → Programs → ICONICS Tools → Unified Data Manager.
2. In the tree-control in the left-hand pane, right-click on Alarm Subscriptions and select New → Alarm Subscription Item.

Note: You can select to create a new Folder instead of a new Recipe. Folders are used to logically organize the Recipes.

Configuring an Alarm Subscription

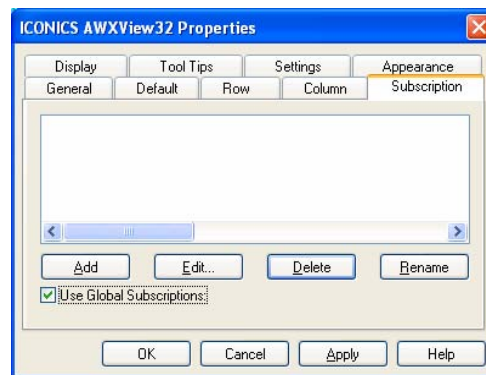
The configuration of Alarm Subscription is the same in the UDM as in other AlarmWorX32 applications. Clicking on the “Subscribe / Edit OPC Subscriptions” button brings you to a universal configuration dialog.



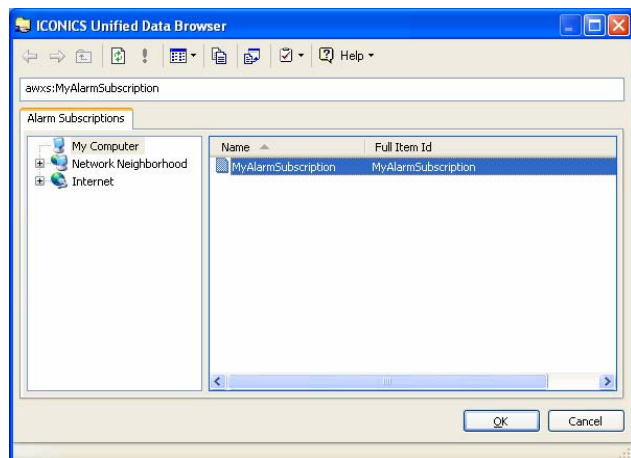
Using Global Subscriptions

As mentioned in the previous column, the subscription stored in the Unified Data Manager is accessible across Genesis32 and BizViz products. All modules use the same interface for configuring AlarmWorX32 subscriptions.

1. Launch GraphWorX by going to Start → Programs → ICONICS GENESIS32 → GraphWorX32 → GraphWorX32.
2. Insert an AlarmWorX32 Viewer ActiveX by clicking the  button.
3. Under the Subscription tab in the ActiveX properties delete all existing subscriptions.
4. Check the “Use Global Subscriptions” checkbox.



5. Click the “Add” button and select your subscription in the Unified Data Browser.



6. You do not need to configure anything else. You can now view your AlarmWorX32 Viewer in runtime mode.

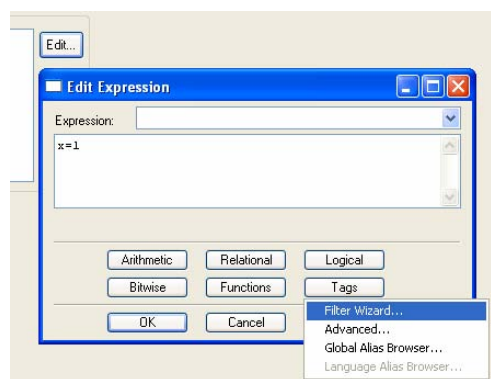
Note: You can always recognize a global alarm subscription by the “awxs:” prefix in the subscription name.

Alarm Filters

Filters are used to present a subset of the alarms provided by the alarm server. The filters are used by alarm clients such as the AlarmWorX32 Viewer and AlarmWorX32 Multimedia.

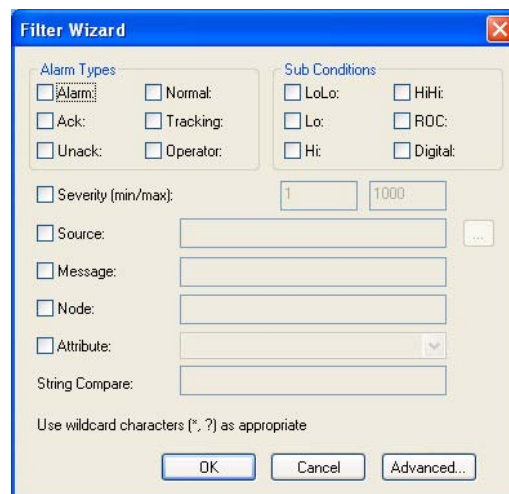
Configuring a New Alarm Filter

1. In the tree-control in the left-hand pane, right-click on Alarm Filters and select New → Alarm Filter Item.
2. Define the name and description (optional) of the new filter.
3. Modify the filter string either by direct input or using the “Edit” button.
4. The “Edit” button will display the Expression editor where you can use various functions to customize your filter.



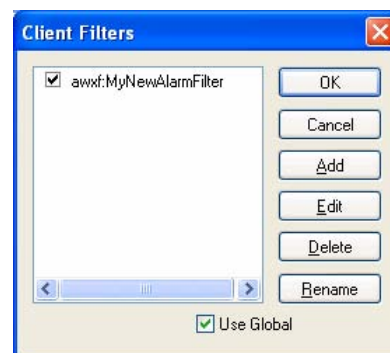
5. To simplify this process, you can use the Filter Wizard that can be accessed via Tags button in Expression editor.

To find out more about Expression Editor or the Filter Wizard, you may read their related Application notes.



Using the Alarm Filter

Alarm filters created in the UDM can be used in all AlarmWorX32 client applications. Wherever you can use Alarm Filters, you will be presented with the following dialog box:



In order to use Global Alarm Filter, you need to check the “Use Global” checkbox and select your filter in the Unified Data Browser via the “Add” button.

Note: You can always recognize a global alarm filter by the “awxf:” prefix in the filter name.