AlarmWorX32 Multimedia – Using Workbench32 for Configuration

APPLICATIONS NOTE

April 2010

Description: Guide to using the Workbench32 for configuring AlarmWorx32 Multimedia.
OS Requirement: Win 2000, XP Pro, Server 2003, Vista, Server 2008, Windows 7
General Requirement: AlarmWorx32 Multimedia and Workbench32 installed

Introduction

With the release of GENESIS32 v9.20 and the new Workbench32, users now have the ability to remotely configure their applications. AlarmWorX32 Multimedia is just one of the many applications that make use of this new feature.

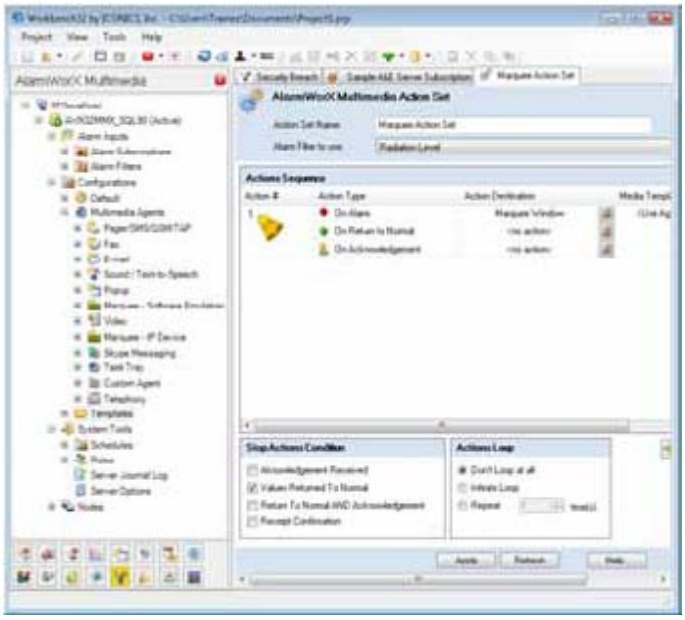

Figure 1 - AlarmWorX32 Multimedia Provider in Workbench32

This application note will guide you through the basic steps in adding the AlarmWorX32 Multimedia Provider, and configuring it from Workbench32.

Adding the AlarmWorX32 Multimedia Provider

If you currently do not have the AlarmWorX32 Multimedia Provider in your Workbench32 project, you can add it by:

1. On the Edit Toolbar, click the "Add/Remove providers" button. This will open the "Select Applications in the Project" dialog.
2. There will be an "AlarmWorx32 Multimedia" section which contains "AlarmWorX32 Multimedia" and "AlarmWorX32 Server". Place a check mark next to the AlarmWorX32 Multimedia item.
3. Click OK, and you should now see the AlarmWorX32 Multimedia provider available in Workbench32.

Configuring AlarmWorX32 Multimedia

The configuration for AlarmWorX32 Multimedia through Workbench32 is almost identical to the standalone configurator.

Creating a New Configuration Database

We will start with creating a new "empty" Configuration Database.

1. With Workbench32 Open, and the AlarmWorX32 Multimedia Provider, right click on the Server name at the top of the tree, and select **New Database**.
2. Select the SQL Server and Authentication you want to use and click **Next**.
3. Enter a name for your database and click **Finish**.
4. You should now see your new configuration database listed in the tree. Right click on it and select **Make Active**.

Adding an Alarm Subscription

Next we will add an Alarm Subscription so AlarmWorX32 Multimedia can receive alarms.

1. Expand Alarm Inputs → Alarm Subscriptions.
2. Right click on Alarm Subscriptions and select **Alarm Subscription** to add a new one.
3. Enter a name for your Alarm Subscription and click the **Subscribe/Edit** button to subscribe to an OPC A/E server.
4. Once you have selected your OPC A/E server, click **Apply** to save your changes.

Adding an Alarm Filter

Now we will create an Alarm filter so we will only trigger an agent based on certain alarms.

1. Expand Alarm Inputs → Alarm Filters.
2. Right click on Alarm Filters and select **Alarm Filters** to add a new one.
3. Enter a name for your Alarm Filter and click the **Edit Filter** button to open the Filter Wizard, or manually enter a Filter String.
4. Once you have designed your filter, click **Apply** to save your changes.

Adding a Media template

Then we will create a Popup Media Template which will be used by or Popup Agent in the next section.

1. Expand Configurations → Templates.
2. Right click on the Templates folder and select **Multimedia Template**.
3. Enter a name for your Template and then select the **Popup Window** radio button for the Template Type.
4. Enter some text or alarm specific information using the ellipsis button to launch the **Template Definition Wizard**.

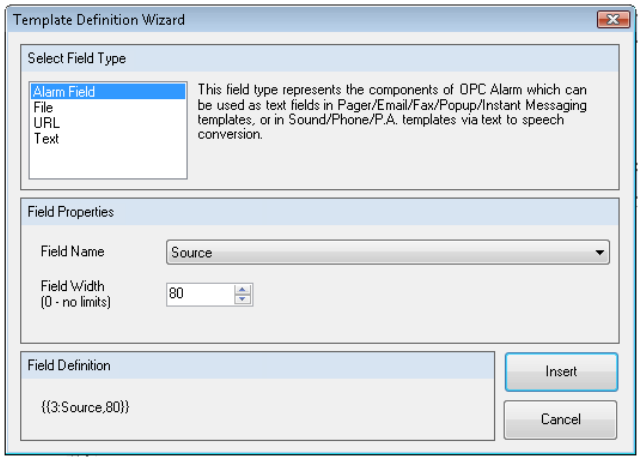

Figure 2 - Template Definition Wizard

5. When you have completed configuring your Template, click the **Apply** button to save your changes.

Adding a Multimedia Agent

Now we will create a Popup Media Agent which will then be used by our Action Set in the next section.

1. Expand Configurations → Multimedia Agents → Popup.
2. Right click on Popup and select **Multimedia Agent Setting**.
3. Enter a name for your Media Item and optional description.
4. From the **Media Template** dropdown, select the Template that was create in the previous step.
5. Click the **Apply** button to save your changes. At this point you can also click the **TEST** button to get an idea of what our Popup Agent will look like.

Adding a Configuration

Next we will create a Configuration which will make use of our Alarm Subscription from earlier, and include our Action Sets from the following section.

1. Right click on Configurations and select **Configuration**.
2. Enter a **Default** for your Configuration.

   NOTE: If you would like to use a name other than Default, you must link the node to this configuration in the Nodes section.

3. From the **Alarm & Event OPC Subscription to be used in this configuration** dropdown, select the Alarm Subscription we created in a previous section.
4. Click **Apply** to save your changes.

Adding an Action Set

Lastly, we will create an Action Set which will use the define when the previously configured items should execute including delays and looping.

1. Expand Configurations, right click the configuration created in the last step, and select **Action Set**.
2. Enter a name for your Action Set.
3. Make sure the **Enabled** check box has a check in it.
4. Select your Alarm Filter from the **Alarm Filter to use** dropdown.
5. Click the ellipsis button in the Action Destination column for the **On Alarm** Action Type. This will bring up the **Choose Action Destination** dialog. Select the Popup Agent that was created earlier and click **Set selected item as Action Destination**.
6. You can also check the **Ignore Schedule** check box. Everything else can be left untouched for this example.

Figure 3 - Configured Action Set

7. Click the **Apply** button to save your changes.

Runtime

Click the traffic light along the top of the Workbench to start the AlamrWorX32 Multimedia Server. When you trigger your alarm you should see a Popup appear displaying information about the alarm.