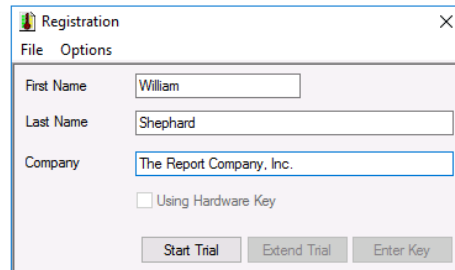


Advanced Module Connectors

Registration

Before you begin, enable the software to run either in evaluation or full mode. From the **XLReporter Project Explorer**, select the **Home** tab, **Register Product**.



The Registration dialog box contains the following fields and controls:

- File Options menu
- First Name: William
- Last Name: Shephard
- Company: The Report Company, Inc.
- Using Hardware Key:
- Start Trial button
- Extend Trial button
- Enter Key button

Evaluation License

Enter the information required and select **Start Trial** to start the evaluation. When the evaluation period expires, you can re-open this display and select **Extend Trial**.

The evaluation license runs continuously for two hours and limits the number of data connections to a report template. In evaluation mode, the data collection from the **Alarm Management** and **Basic Batch Data Connectors** is also limited. When the product is registered, the time limit and data connections limit are removed. When the product is registered with an **Advanced Modules** license, the limitations of the basic batch connector are removed.

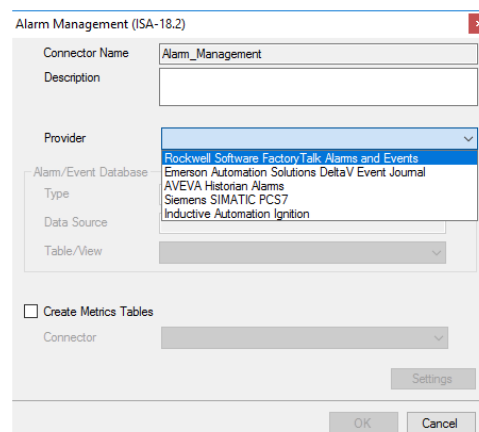
Alarm Management (ISA-18.2)

This connector is used to retrieve advanced metrics from alarm data recorded to a database. For detailed information, see the Alarm Management document.

Connector

To configure the **Alarm Management** connector, from the **Project Explorer** select **Data, Connectors**.

- Click **Add**
- Select **Advanced Modules, Alarm Management (ISA-18.2)**
- Click **OK**

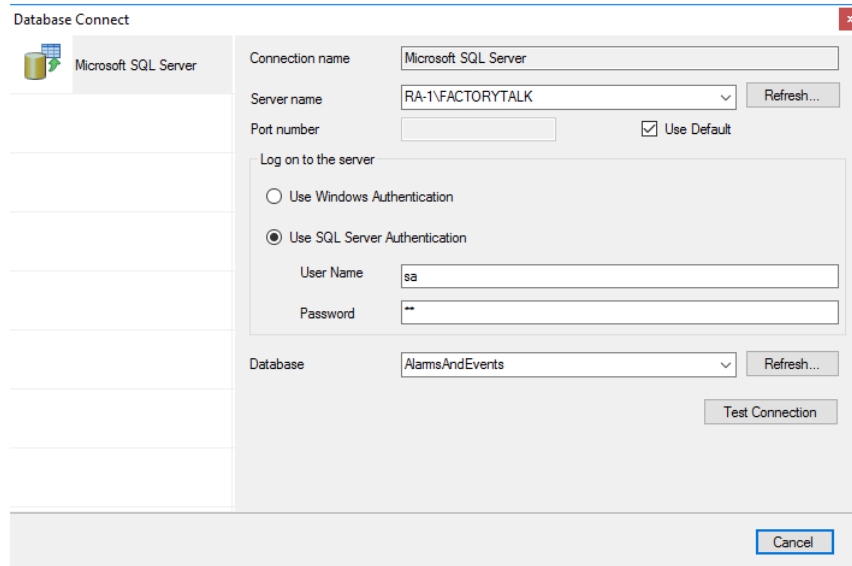


The Alarm Management (ISA-18.2) configuration dialog box contains the following fields and controls:

- Connector Name: Alarm_Management
- Description: (empty)
- Provider: (dropdown menu)
- Alarm/Event Database: (dropdown menu)
- Type: (dropdown menu)
- Data Source: (text field)
- Table/View: (dropdown menu)
- Create Metrics Tables:
- Connector: (dropdown menu)
- Settings button
- OK button
- Cancel button

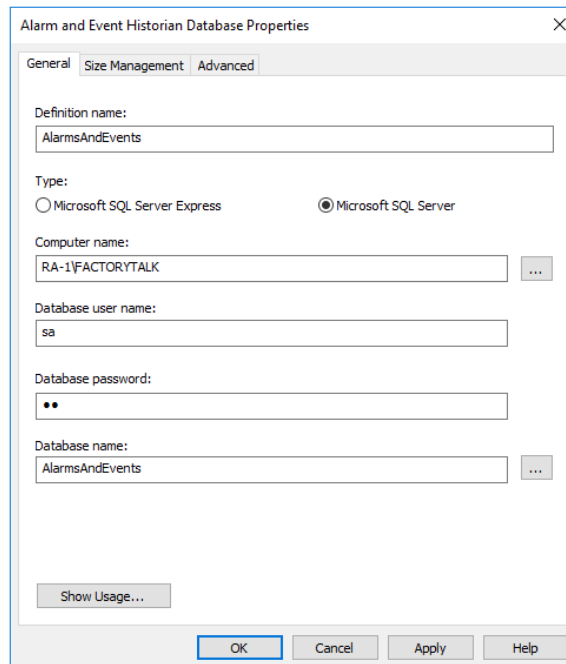
As part of configuring the **Alarm Management** connector, a **Provider** is selected that defines what interface logged the alarms. Once selected, in the **Alarm/Event Database** section, a connection to the database with the alarms is defined.

Rockwell Software FactoryTalk Alarms and Events



The FactoryTalk Alarms and Events are always logged to Microsoft SQL Server or SQL Server Express database.

These settings should match what has been configured in the **Alarm and Event Historian Database Properties** within FactoryTalk View SE.



Emerson Automation Solutions DeltaV Event Journal

The screenshot shows the 'Database Connect' dialog box for a Microsoft SQL Server. The 'Connection name' is set to 'Microsoft SQL Server'. The 'Server name' is '192.168.9.25\DELTAV_CHRONICLE'. The 'Port number' is empty, and the 'Use Default' checkbox is checked. Under the 'Log on to the server' section, 'Use Windows Authentication' is selected. The 'User Name' and 'Password' fields are empty. The 'Database' is set to 'EJOURNAL'. There are 'Refresh...' buttons next to the Server name and Database fields, and 'Test Connection' and 'Cancel' buttons at the bottom.

The DeltaV Event Journal is configured to log to a Microsoft SQL Server database.

By default, when browsing, the Server name is set to the local machine plus “\DELTAV_CHRONICLE”. If the Event Journal is on another machine, replace the local machine name with the other machine name but leave the rest. When browsing for the Server name, the instance name “\DELTAV_CHRONICLE” may not appear. If it does not, it will have to be manually added.

In newer versions of DeltaV the **Port Number** is not default and should be specified as *55114*. Also, only **Windows Authentication** is supported. If you are connecting remotely, you must be logged on as a user that is valid on the machine where the Event Journal is running.

The **Database** should always be set to *EJOURNAL*.

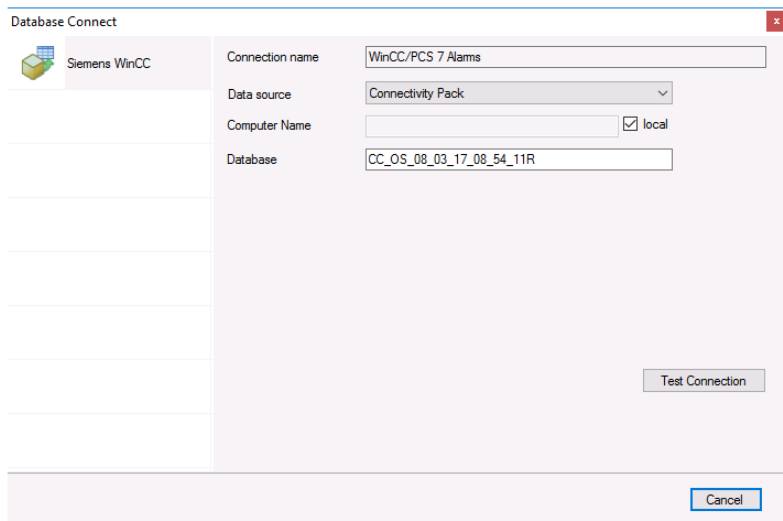
AVEVA Historian Alarms

The screenshot shows the 'Database Connect' dialog box for a Microsoft SQL Server. The 'Connection name' is set to 'Microsoft SQL Server'. The 'Server name' is 'WW2020'. The 'Port number' is empty, and the 'Use Default' checkbox is checked. Under the 'Log on to the server' section, 'Use Windows Authentication' is selected. The 'User Name' and 'Password' fields are empty. The 'Database' is set to 'Runtime'. There are 'Refresh...' buttons next to the Server name and Database fields, and 'Test Connection' and 'Cancel' buttons at the bottom.

The AVEVA Historian Alarms are accessible through a Microsoft SQL Server connection to the AVEVA Historian Server.

The **Database** name depends on the version of AVEVA Historian installed. With older versions this may be *WWALMDB* while later versions this may be *Runtime*.

Siemens SIMATIC PCS7



The Siemens SIMATIC PCS7 alarms are accessible through the WinCC OLEDB provider.

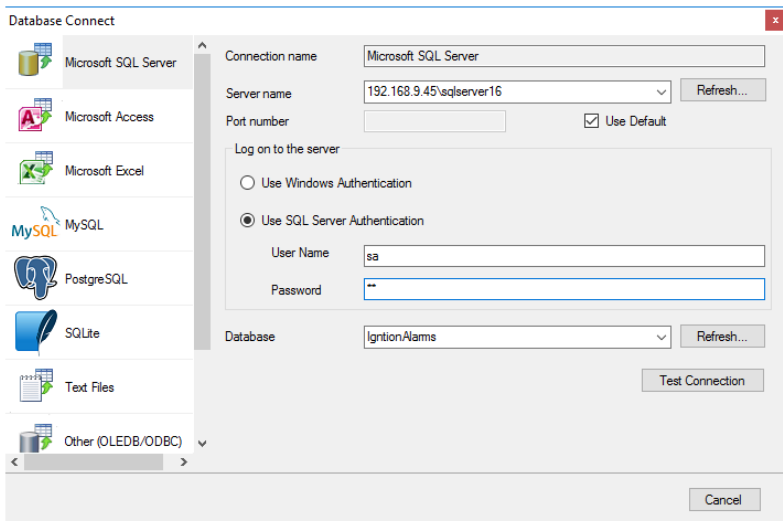
The **Data Source** defines how to connect to the alarms server. This depends on what is installed and licensed. It can either be *Connectivity Pack* or *Open PCS7*.

If **Connection** is *Connectivity Pack* and the alarm server is on the local machine, for **Computer name** check local. Otherwise uncheck local and specify the physical name of the machine.

If **Connection** is *Open PCS7*, set **Symbolic Computer Name** to where the alarm server is running.

Database is the name of the WinCC alarm database. This value can be read from the @*DatasourceNameRT* system tag in **WinCC**. Use **System Check** to read this value.

Inductive Automation Ignition



The Ignition Alarms can be configured to log to any available database on the network.

The settings should reflect the **Database Connection** used as the **Datasource** within the **Ignition Alarming Journal**.

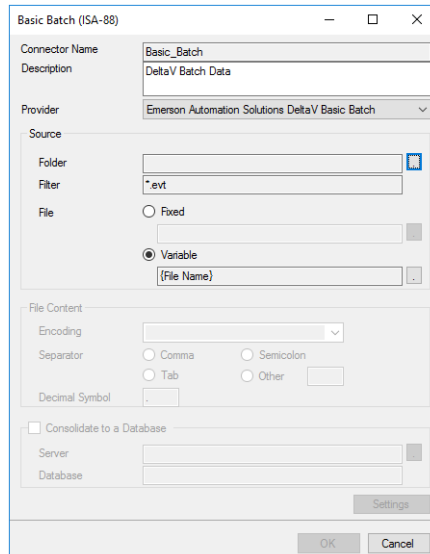
Basic Batch (ISA-88)

This connector is used to retrieve advanced metrics from batch data stored using the ISA 88 standard. For more information, see the Basic Batch document.

Connector

To configure the **Alarm Management** connector, from the **Project Explorer** select **Data, Connectors**.

- Click **Add**
- Select **Advanced Modules, Basic Batch (ISA-88)**
- Click **OK**



The screenshot shows the 'Basic Batch (ISA-88)' configuration dialog box. It has a title bar with standard window controls. The dialog is organized into several sections:

- Connector Name:** A text field containing 'Basic_Batch'.
- Description:** A text field containing 'DeltaV Batch Data'.
- Provider:** A dropdown menu showing 'Emerson Automation Solutions DeltaV Basic Batch'.
- Source:**
 - Folder:** A text field with a browse button (represented by a folder icon) to its right.
 - Filter:** A text field containing '*.*'.
 - File:** Radio buttons for 'Fixed' and 'Variable'. 'Variable' is selected.
 - File Name:** A text field containing '(File Name)' and a browse button (represented by a folder icon) to its right.
- File Content:**
 - Encoding:** A dropdown menu.
 - Separator:** Radio buttons for 'Comma', 'Semicolon', 'Tab', and 'Other'.
 - Decimal Symbol:** A text field containing '.'.
- Consolidate to a Database:** A checkbox that is currently unchecked. Below it are text fields for 'Server' and 'Database'.

At the bottom right of the dialog, there are buttons for 'Settings', 'OK', and 'Cancel'.

- Click the [.] button next to **Folder** and browse to the location of the .evt files

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