

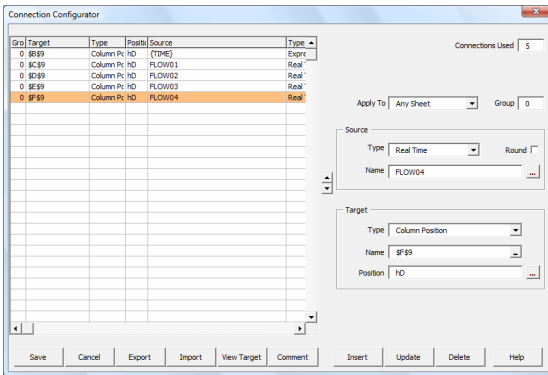


Report Data

Report data can come from a variety of sources and various times during the day. Whether it is snapshots of real time data, requests from historians or transfers from relational databases, all of this needs to be organized in one location.

XLReporter provides the Connection Configurator for this very reason. It is used to define the connections to data sources and to where the resulting values are to be positioned in the report.

The Connection Configurator is accessible by using the **XLReporter's** Data connection menu in Excel.



The Connection Configurator

Data Source

The Source section of the Connection Configurator is where you specify the data you want to display in the report.

The Type setting determines the data server type that is to provide the report data.

- **Real Time**
Data will represent the current value in a HMI/OPC database.
- **Analytic**
Data will represent the currently stored values in **XLReporter's** analytic database.
- **Expression**
Data will represent user-configured expressions that can include keywords for date and time values.
- **Function**
Data will represent the stored values in **XLReporter's** function database.
- **History Group**
Data will represent the stored values in a historian/OPC-HDA database.
- **Database Group**
Data will represent the stored values in a relational database such as SQL Server.

- **Analytic Group**
Data will represent the stored values in **XLReporter's** analytic database.

Data Placement

The Target section of the Connection Configurator is where you specify how the data will be placed in the report.

Depending on the Type specified (and the cell Name), the data is placed in a variety of different ways.

- **Direct**
The data will be placed directly in the cell specified.
- **Row Position or Column Position**
The data will be placed across the row or down the column starting at the cell specified based on the Position specified.
The Position can be either one of **XLReporter's** Counter functions or based on time such as the hour of the day or the day of the month.
- **Row Append or Column Append**
The data will be placed across the row or down the column in the next available empty cell starting at the cell specified.
- **Row Insert or Column Insert**
The data will be inserted at the cell specified, pushing existing values across the row or down the column.

As part of specifying the Target settings, you can also specify whether the connection applies to a single worksheet in the report, or to every worksheet in the report, including worksheets that may be created dynamically as part of report generation.

Finally, a group number may also be specified to allow you to isolate sets of connections whose data may need to be written to the report at different times. Any connection set to group 0 will always be written to the report, no matter which group of connections is designated to update.

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