Tatsoft Connectors

FactoryStudio Real-time values

This connector is used to get real time values from FactoryStudio via the Tatsoft OPC DA server.

Prerequisites

Verify Communication

To verify communication from Tatsoft's FactoryStudio, a generic OPC test client is provided to test the OPC Server.

This client is found on **XLReporter's** product CD under **Tools, OPC_DA**. It can also be downloaded from <u>www.SmartSights.com</u>.

To open, double-click SampleClientDA.exe. This opens the OPC Quick Client window.

To connect to an OPC server, select **Edit**, **New Server Connection** to open the **Server Properties** window. Select the Tatsoft OPC server and click **OK**.

Once the connection is made, select Edit, New Group. Specify Name and click OK.

Click on the group name created, and select **Edit**, **New Item**. This opens the **Add Items** window. Browse for tags and double click any to select. Once tag selection is complete click **OK** to return to the **OPC Quick Client** window.

All the selected tags appear along with their real time values, type, quality, and timestamp.

If at any point you experience an issue with this client, contact Tatsoft technical support to troubleshoot and correct these issues.

Remote Communication

If XLReporter is not installed on the same machine as FactoryStudio, the workstation must also have the OPC core components installed. To determine if the core components are installed verify the following file exists:

- C:\Windows\SysWow64\OPCEnum.exe (64-bit OS)
- C:\Windows\system32\OPCEnum.exe (32-bit OS)

If the components are not installed, then they are provided in the XLReporter installation folder under *_repairtools\OPC*. Alternatively, these can be downloaded from <u>www.opcfoundation.org</u>.

Server Settings

To connect to FactoryStudio remotely both the machine where the server is running and the machine where the client is running must have matching Windows user accounts and the client must be logged in with a matching account.

In addition, on the machine with the OPC DA server, certain DCOM settings must be enabled. For details on what DCOM settings to enable, see <u>OPC and DCOM: 5 Things You Need to Know</u>.

Windows Firewall

If the Windows Firewall is enabled on the machine where FactoryStudio is running **TCP Port** *135* must be opened for remote clients to connect.

Connector

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

- Click Add
- Select Tatsoft, FactoryStudio Real-time values
- Click **OK**

Connector Name	FactoryStudio_DA	
Description	local	
Primary Server		
Name	Tatsoft.0PCDAServer.2014.2	
Node		🔽 local
		Test Connection
Secondary Server Name	er Tatsoft.0PCDAServer.2014.2	
Secondary Server Name Node	Tatsoft.0PCDAServer.2014.2	
Secondary Server Name Node	Tatsoft.0PCDAServer.2014.2	

Primary Server

These settings define the **Name** and **Node** of the OPC DA server. Use the browse button to browse the local or remote machine to select the Tatsoft OPCDA server.

Depending on the version of FactoryStudio installed the name of the server can vary. It is in the form: Tatsoft.OPCDAServer.Version

Use the **Test Connection** button to verify a connection to the server.

Secondary Server

These settings define the (optional) secondary Tatsoft to connect to if a connection to the **Primary Server** fails.

Settings

For information on the specific settings, see the DATA CONNECTIVITY, OPC document.

Verify Data Communication

To verify communication to FactoryStudio, open the **Project Explorer** and select the **Tools** tab. Launch the **System Check** application.

- Click Add
- Choose the FactoryStudio Real-time values connector from the dropdown list
- Click the pushbutton ([...]) next to Items to open the **Tag Browser** window.
- Select one or more tags and click **OK**
- Click Start to verify the communication

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