

Using XLReporter with WinCC/PCS 7 OPC-DA

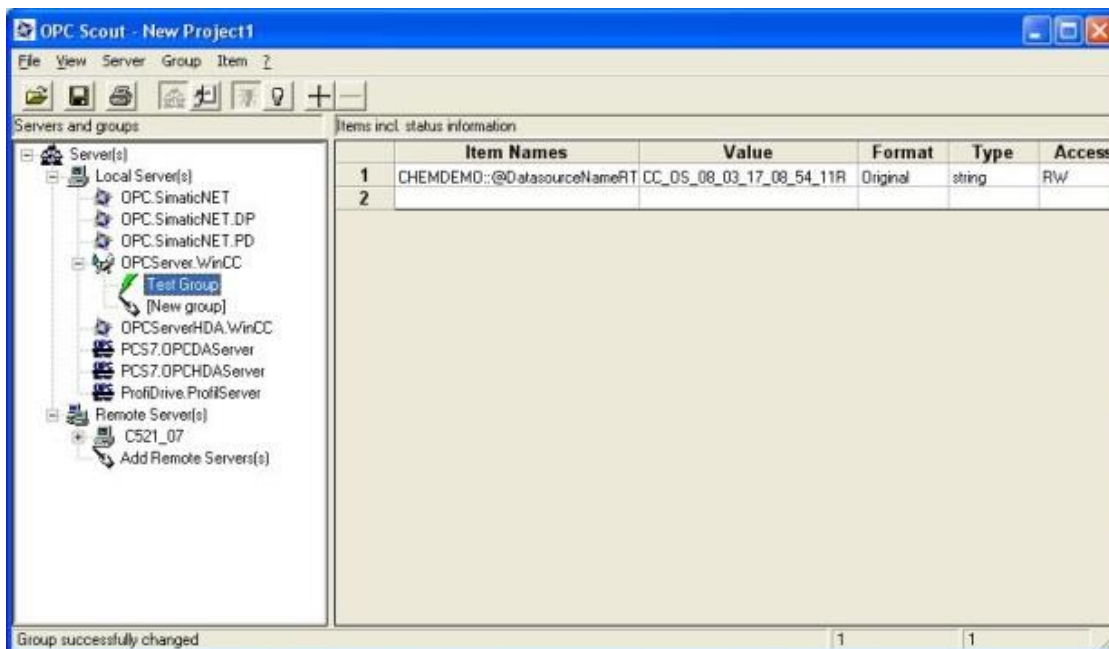
Overview

XLReporter takes process values directly from a PLC to a report without requiring a historian or database. This is accomplished by “report-as-you-run” technology that automatically populates a workbook, periodically or on event, without needing Excel. Completed reports are produced in workbook, PDF and web formats.

Prerequisites

Verify Communication

From the **Simatic** program group, open **Simatic Net, OPC Scout**.



Connect to the PCS7 or WinCC OPC Server listed by double clicking on it.

- Select **Group, Add Group**
- Enter **Group Name**, click **OK**
- Select **Item, Add Item**
- Browse and select the data points to read

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

Create a Project

From the **XLReporter Project Explorer** select **File, New** to start the **Project Wizard**. This will give step-by-step instructions on creating a project

Step 1

- Enter a **Project Name** and **Description** (optional).

The screenshot shows the 'New Project' dialog box with the following fields and options:

- Project Name:** XLR_Project
- Project Off Line
- Description:** Customer or Site name
- Project Location:** c:\XLRprojects

Buttons at the bottom: < Back, Next >, Finish, Cancel

Step 2

- Configure the data connector, click **Add**

The screenshot shows the 'New Project' dialog box with the following elements:

- Step 2 : Configure the Connectors (data sources) of the Project.**
- Buttons: + Add (highlighted with a red box), Modify, Delete, Catalog
- Table with columns: Name, Provider, Description
- Table content: * (in the Name column)

Select **Siemens SIMANTIC**, either **WinCC Real-time values** or **PCS7 Real-time values** depending on the server.

The screenshot shows the 'WinCC Real-time values' configuration dialog box with the following fields and options:

- Connector Name:** WinCC_DA
- Description:** (empty field)
- Primary Server:**
 - Name:** OPCServer.WinCC
 - Node:** local
 - Test Connection button
- Secondary Server:**
 - Name:** OPCServer.WinCC
 - Node:** local
 - Test Connection button
- Settings button
- OK and Cancel buttons

The connector requires a **Primary Server** which, by default has **Node** set to *local*.

Remote Communication to Siemens SIMATIC

If WinCC/PCS 7 OPC-DA is installed on a workstation remote from the PLC then set the **Node** to an item in the dropdown list or enter an *IP address*.

The workstation must also have the OPC core components installed. To determine if the core components are installed verify the following file exists:

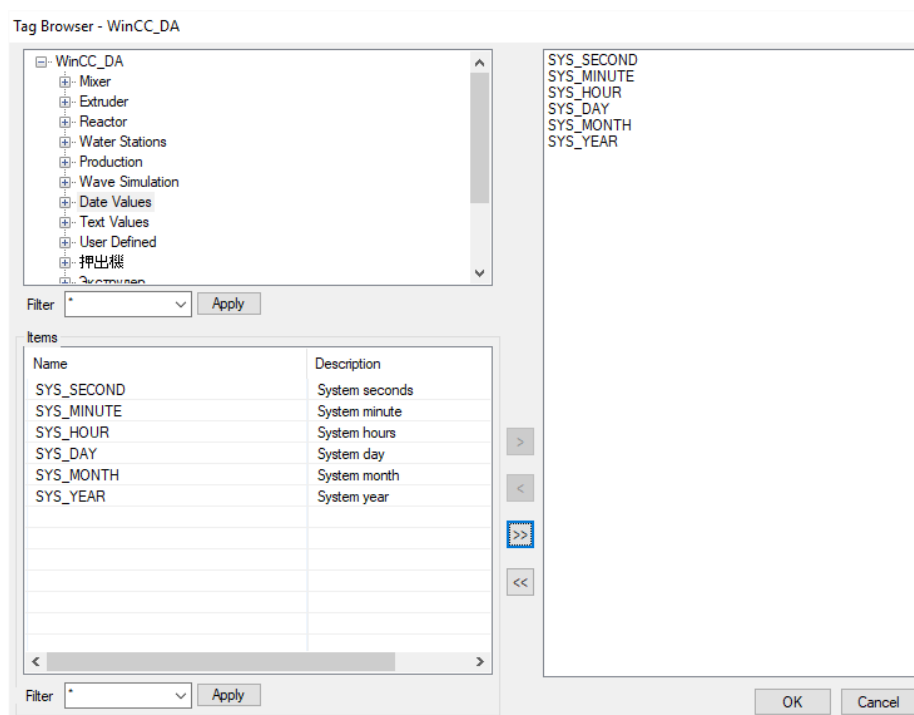
- 64 - bit OS C:\Windows\SysWow64\OPCEnum.exe
- 32 - bit OS C:\Windows\system32\OPCEnum.exe

If the components are not installed then they are provided in the tools folder of the installation or from www.opcfoundation.org.

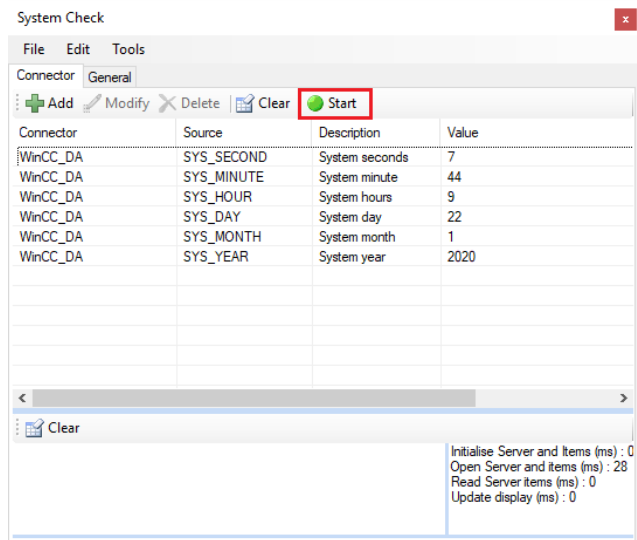
Verify Data Communication

To verify communication to WinCC/PCS 7 OPC-DA, open the **Project Explorer** and select the **Tools** tab. Launch the **System Check** application.

- Click **Add**



- Choose the *WinCC/PCS 7 OPC-DA Connector* from the dropdown list,
- Click the pushbutton ([...]) next to Items to open the Tag Browser window.
- Select one or more tags, click **OK**.



- Click **Start** to verify the communication