

Using XLReporter with GE Digital – iFIX (local)

Overview

XLReporter takes process values directly from iFIX 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

Open the **iFIX WorkSpace** from the **iFIX** program group and select **Application**.

The screenshot shows the iFIX WorkSpace (Configure) application with the 'Applications' tab selected. Below it, the iFIX Database Manager window is open, displaying a table of tags. The 'Database Manager' icon in the top ribbon is highlighted with a red box.

	Tag Name	Type	Description	Scan Time	I/O Dev	I/O Addr	Curr Value
1	REF-AI	AA	BLOCK FOR PROCESS LEVEL	0	SIM	2	????
2	ALARMAI	AI	USER GENERATED ALARMS	0.30	SIM	200	37
3	AMPS	AI		5	SIM	RG	335
4	HUMIDITY	AI	BLOCK TO SIMULATE HUMIDITY	2	SIM	RG	75
5	IFX1_BATCH_BUL	AI	Bulk Material Mass	20	SIM	RH	950
6	IFX1_BATCH_CIP	AI	Clean In Place Tank Level	1	SIM	RA	37.16
7	IFX1_BATCH_RAN	AI	Used for Batch PG_Autobatch	1	SIM	RA	37.16
8	IFX1_BATCH_RAN	AI	Used for Batch PG_Autobatch	1	SIM	RH	92.67
9	IFX1_BATCH_REA	AI	Main Reactor Level	7	SIM	RH	90.83
10	IFX1_BATCH_REA	AI	Main Reactor Temperature	1	SIM	210	117.2
11	IFX1_BATCH_REC	AI	Reclamation Tank Level	2	SIM	RH	926.67
12	IFX1_BATCH_TAN	AI	Chemical Tank #1 Level	1	SIM	200	37
13	IFX1_BATCH_TAN	AI	Chemical Tank #1 Temperature	1	SIM	201	65.0
14	IFX1_BATCH_TAN	AI	Chemical Tank #2 Level	1	SIM	202	22
15	IFX1_BATCH_TAN	AI	Chemical Tank #2 Temperature	1	SIM	203	65
16	IFX1_BATCH_TAN	AI	Chemical Tank #3 Level	1	SIM	204	96.0
17	IFX1_BATCH_TAN	AI	Chemical Tank #3 Level	1	SIM	205	65
18	IFX1_DISC_ANEA	AI	ANEAL MACHINE ANIMATION POSITION	0.05	SIM	941	0

- Select the **Database Manager**
- Verify the tags can be read from the manager

If the manager does not respond as described contact GE Digital 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, X Delete, Catalog
- Table with columns: Name, Provider, Description
- Table content: * (in the Name column)

Select **GE Digital, iFIX Real-time values (local)**.

The screenshot shows the 'iFIX Real-time values (local)' dialog box with the following fields and options:

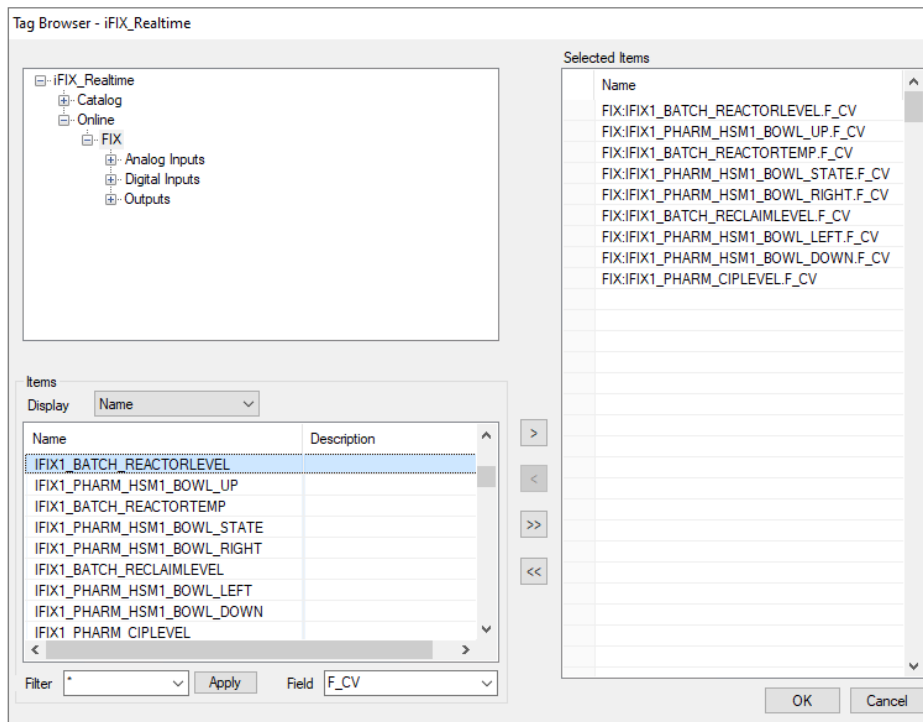
- Connector Name:** iFIX_Realttime
- Description:** (empty field)
- iFIX Paths:**
 - Installation:** C:\Program Files (x86)\GE\iFIX
- iFIX Version:**
 - below 6.0
 - 6.0 and above
- Buttons: Settings, OK, Cancel

- Under **iFIX Paths**, set **Installation** to the directory where iFIX is installed.
- Under **iFIX Version**, select the option the matches the version of iFIX installed on the machine.

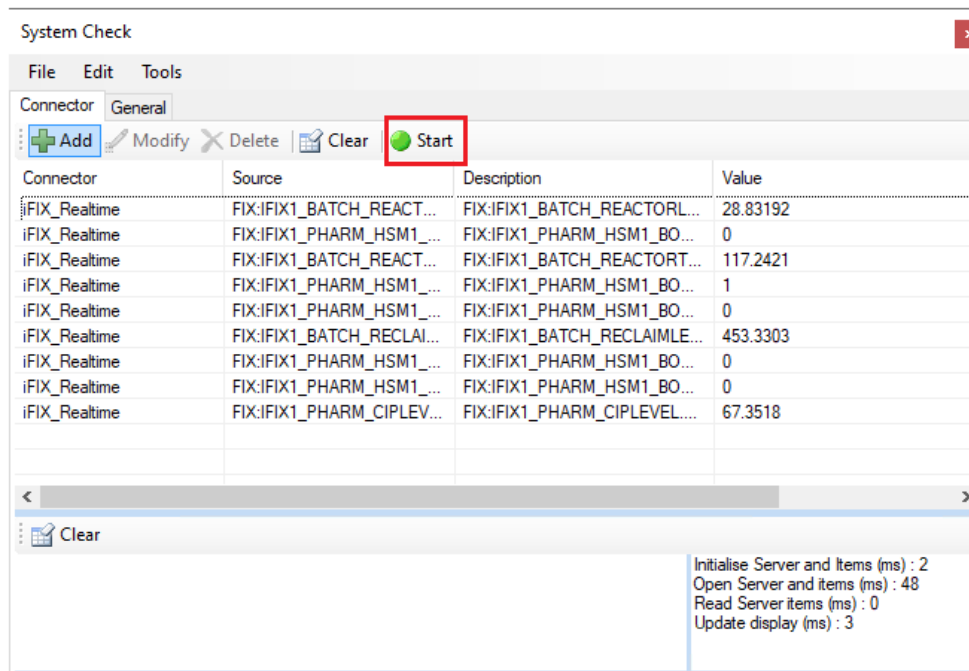
Verify Data Communication

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

- Click **Add**
- Choose the *iFIX Real-time values (local)* connector from the dropdown list.
- Click the pushbutton ([...]) next to **Items** to open the Tag Browser window.



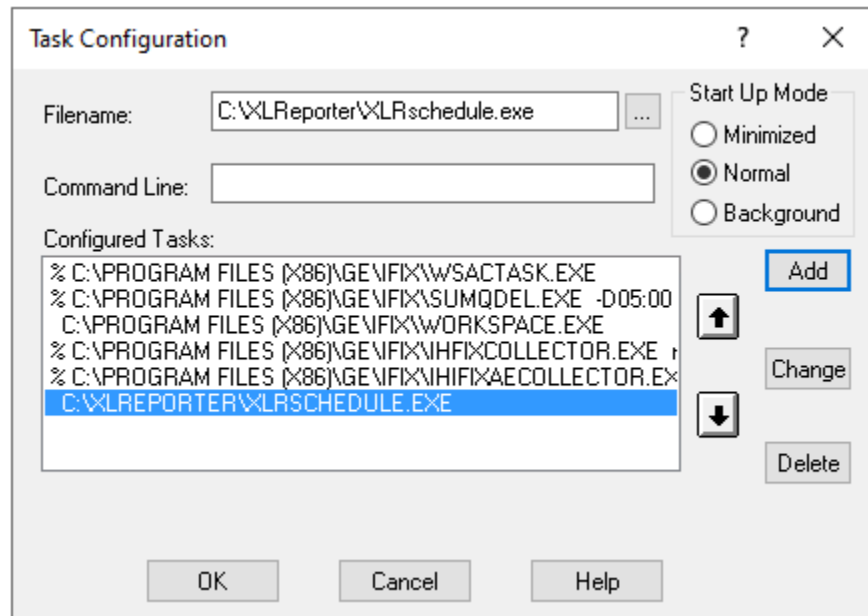
- Select one or more tags, click **OK**.



- Click **Start** to verify the communication

Start the Scheduler from iFIX

Open the **System Configuration (SCU)** from the **iFIX** program group. Select **Configure, Tasks**.



- For **Filename** browse and select **XLRschedule.exe** from the **XLReporter** installation folder (*C:\XLReporter* by default).
- Set **Start Up Mode** to *Normal*.
- Click **Add**.
- Use the down arrow to move this to the bottom of the **Configured Tasks** list.
- Click **OK**.

Save and close the SCU. The next time iFIX is started, **XLReporter's Scheduler** will start with it.