GE Proficy Historian Connector

GE Proficy Historian server

- Name: **GEProficy**
- Version: 1.0.0.0
- Protocol: Proprietary
- Interface: TCP/IP
- Runtime: .NET 4.8 (Windows)
- Configuration:
  - Devices / Protocols

Prerequisites
Channels
Nodes
Points

Overview

The GEProficy Protocol Driver connects the software platform with the GE Proficy Historian, enabling data exchange. The GE Proficy Historian collects, stores, distributes, and retrieves industrial time series and A&E data. The GEProficy Protocol Driver allows for real-time data capture, ensures secure storage, and supports retrieval, enhancing data accessibility for analysis.

Communication Driver Information	
Connector Title	GE Proficy Historian
Connector Name	GEProficy
Assembly Name	T.ProtocolDriver.GEProficy
Assembly Version	1.0.0.0
Available for Linux	False
Database supported	Proficy Historian via GE API
Manufacturer	GE
Interface	Custom
Protocol	TCP/IP
PC Requirements	Ethernet port

Prerequisites

The GEProficy connector exchanges data through the GE Proficy Historian client API, which is installed by GE's software, not by FrameworX. Install the **Proficy Historian Client Tools**, from the GE Proficy Historian installation media, on every computer that runs the connector:

- The computer that runs the **Designer**, to test the connection, browse tags and import tags.
- The computer that runs the **solution**, for the runtime connection.

When the client tools are missing, the connection **Test** returns *Could not initialize connector class*.

Configuration

All initial configurations for devices in the solutions on the software platform encompass the following workflow:

1. Defining a **Channel** using a target communication Protocol creates the base instance for linking a Node. Learn more at Devices - Channels.
2. Defining the **Node** linked to the created Channel. Learn more at Devices - Nodes.
3. Defining the **Point** that you would like to monitor. Learn more at Devices - Points.

Protocols define communication rules between the platform and devices. Channels define global parameters for using a communication protocol. Nodes represent physical field devices or database with a unique field address (PrimaryStation). Points represent tags from database. Additionally, AccessType defines how the device interacts with the platform (Read and/or Write). Learn more at Devices - AccessType.

Channels

Protocol Options

Protocol options are not used in this driver. The remaining channel configurations are the same as in the reference guide.

Nodes

Station Configuration

Server Name: Historian sever name.
User Name: User name to access the Historian server.
User Password: User password to access the Historian server.

Points

Address

The syntax for the communication points are:

TagName: Tag Name in Database.

Note1: Use the Verify button to check if it is a valid name and get the current value and quality.

Note2: Select the tag name in Database using the Browse button.

Driver Revision History

GE Proficy Driver Revision History	
Version	**Notes**
1.0.0.0	Initial release on new documentation standards

In this section...
