# GE Proficy Historian Service

Information on how to set up a TagProvider connection with GE Proficy Historian.

**Reference** **Modules** **UNS** **UI** **Services** GE Proficy

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The GE Proficy Historian TagProvider connects to GE Proficy Historian servers at runtime. Configure this TagProvider to enable data integration and visualization without local Tags. This setup allows incorporation of GE Proficy Historian data into applications, enhancing data-driven decision-making and operational processes.

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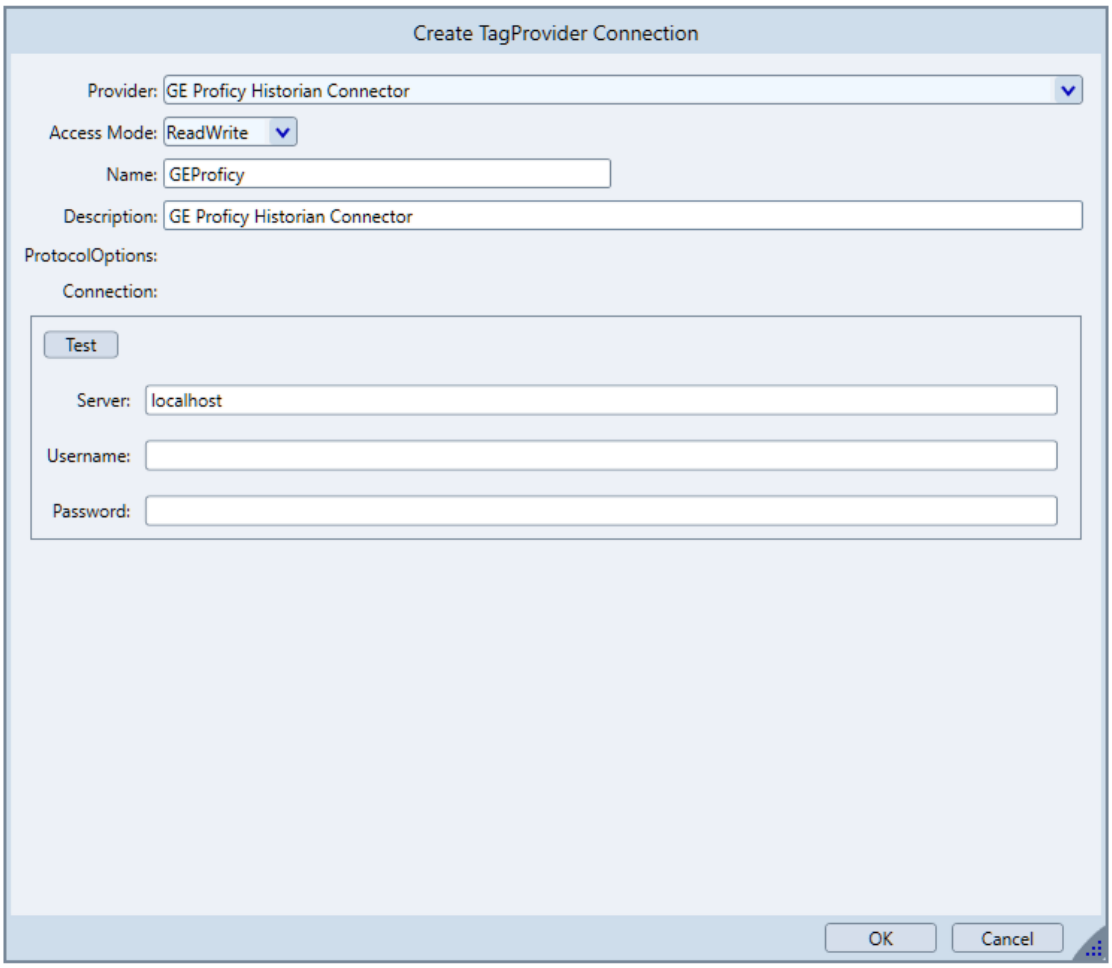
## Configuration

Before you configure this TagProvider, install the GE Proficy Historian Client Tools on the computers that run the Designer and the solution. See Prerequisites.

To set up a new TagProvider connection navigate to **Unified Namespace/TagProvider Connections** and press the add button to open the New TagProvider Connection dialog. You can also create your TagProvider Connection directly from the AssetTree. To do this, navigate to **Unified Namespace/Assets Tree** and press  to open the New TagProvider Connection dialog. In the configuration dialog, select the **GE Proficy Historian Connector** on the Provider field and insert the required connection parameters.

To connect to the GE Proficy Historian server, enter the server address in the Server. By default, it is set to *localhost* but you can change it to any valid IP address or hostname. Next, input the required username in the Username field for authentication purposes. Finally, provide the corresponding password in the Password to complete the authentication process.

After that, press the Ok button to finish the provider configuration. Creating the connection adds no folder to the Asset Tree. To use its data with Asset(), open **Unified Namespace / Assets Tree**, select a folder (create one first if needed) and click **Insert data from TagProvider** on the toolbar: the folder linked to the TagProvider is created inside the selected folder. A linked folder cannot sit at the root of the Asset Tree.




## Connection Parameters

| Field | Description |
|---|---|
| Provider | Specifies the system the TagProvider will interface with. In this case, it interfaces with the GE Proficy Historian Connector. |
| Access Mode | Determines permissions for interacting with tags.<br>**Read** allows data reading.<br>**Write** permits data writing.<br>**ReadWrite** enables both reading and writing. |
| StoreAndForward | Enables the Store and Forward feature to buffer data locally when the server connection is lost. |
| Name | User-defined name for the TagProvider instance. Identifies the specific configuration in the system. |
| Description | Defines a short description for TagProvider's purpose or the systems it interfaces with. Provides context for its usage. |
| ProtocolOptions | Defines specific communication settings for the connection to the device. True or False. |
| Connection | Defines connection string for the GE Proficy Historian, including server, username, and password. |
| Server | Specifies the server name where the GE Proficy Historian is hosted. |
| Username | Specifies the username for authentication with the GE Proficy Historian server. |
| Password | Specifies the password for authentication with the GE Proficy Historian server. |
| Test | Verifies the connection settings to ensure successful communication with the specified server. |

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