



GE VERNOVA

**PROFICY® SOFTWARE & SERVICES**

# PROFICY iFIX HMI/SCADA

Driver Server

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# Driver Server Overview

The following sections provide details on using the Driver Server.

- [Menus and Toolbar Buttons](#)
- [Using the Driver Server](#)
- [Logon Account for Running as a Service](#)

## Menus and Toolbar Buttons

The following sections provide details on using the menus and toolbar buttons.

- [File Menu](#)
- [View Menu](#)
- [Server Menu](#)
- [Help Menu](#)
- [Toolbar Buttons](#)

### File Menu

The following commands appear on the File menu.

Command	Description
New	Lets you make a new driver configuration file. Keyboard shortcut: CTRL+N.
Open	Displays the Open dialog box that lets you open an existing driver configuration file. You can select the driver configuration file type (the driver's three letter acronym), .CSV file types (Comma Separated Value), or .TXT (text) file types. The .TXT file type is used for opening a Log File and is available only when you are working with the OPC Client driver.  Keyboard shortcut: CTRL+O.
Save	Saves the current driver configuration file to the default path for configuration files with the name you specify. If you save a new driver configuration file, the Save As dialog box appears prompting you to enter a name for your driver configuration file.
Save As	Displays the Save As dialog box letting you enter a new name and file type for the current driver configuration.
Exit	Exits the I/O Server. The Exit command is disabled when FIX is connected to the server.

## Save As Dialog Box Options

Command	Description
Save In Field	Lets you select the directory that you want to store the file in.
File Name Field	To save a file with a new name, or in a different location, type a new file name in the File Name field or select a new directory in the Save In list. To save a file with an existing file name, select the name in the list or type the current name.
Save as Type Field	Lets you specify the type of file you want to save the configuration as: <p>A Configuration File – The file that the driver uses to communicate with the process hardware.</p> <p>A Comma Separated Value File (.CSV) – The driver configuration file in text format. You can open these files in a text editor and use them to document your driver configurations. You can also modify .CSV files in a text editor, open them in the Power Tool, and save them as configuration files. The delimiters for .CSV files conform to national standards. For example, if you are in the US, .CSV file delimiters are commas. If you are in France, .CSV file delimiters are semicolons.</p> <p>A Text File (.TXT) – This lets you print the debug window.</p>
Save Button	Saves the file under the specified name.
Cancel Button	Closes the dialog box without saving the file.

Command	Description
Toolbar	Displays or hides the toolbar.
Status Bar	Displays or hides the status bar. The status bar displays information about the currently selected item. A check mark appears next to the menu item when it is enabled.
Errors	Enables or disables the dispatching of server error messages to the server window. A check mark appears next to the menu item when error messages are enabled.
Warnings	Enables or disables the dispatching of server warning messages to the server window. A check mark appears next to the menu item when warning messages are enabled.
Information	Enables or disables the dispatching of server information messages to the server window. A check mark appears next to the menu item when information messages are enabled.
Debug1	Enables or disables the dispatching of server debug level 1 messages to the server window. A check mark appears next to the menu item when debug level 1 messages are enabled. These are first priority debug messages.
Debug2	Enables or disables the dispatching of server debug level 2 messages to the server window. A check mark appears next to the menu item when debug level 2 messages are enabled. These are second priority debug messages.

Debug3	Enables or disables the dispatching of server debug level 3 messages to the server window. A check mark appears next to the menu item when debug level 3 messages are enabled. These are third priority debug messages.
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## Server Menu

Command	Description
Start	Starts the server's polling process. A check mark appears next to the menu item when the server polling process is running.
Stop	Stops the server's polling process. A check mark appears next to the menu item when the server polling process is stopped.
Clear Log	Clears the messages from the server window.
SaveOnFIXExit	Notifies the server to save any changes to the active configuration file upon FIX exit. A check mark appears next to the menu item when this option is enabled.
Max Messages	Displays the Server Event Log dialog box. This dialog box lets you configure the number of messages stored in the event log.

## Help Menu

Command	Description
Help Topics	Displays the Contents of the server help.
About Server	Displays information about the server including its version number and copyright date.

## Toolbar Buttons

Button	Description
	Lets you make a new driver configuration file. Keyboard shortcut: CTRL+N.
	Displays the Open dialog box that lets you open an existing driver configuration file. You can select the driver configuration file type (the driver's three letter acronym), .CSV file types (Comma Separated Value), or .TXT (text) file types. The .TXT file type is used for opening a Log File and is available only when you are working with the OPC Client driver.  Keyboard shortcut: CTRL+O.
	Saves the current driver configuration file to the default path for configuration files with the name you specify. If you save a new driver configuration file, the Save As dialog box appears prompting you to enter a name for your driver configuration file.
	Starts the I/O driver.

	Stops the I/O driver.
	Clears the I/O Server window.
	Displays information about the server including its version number and copyright date.
	Displays help for the item you select.

## Using the Driver Server

The following sections provide details on using the Driver Server.

- [Server Event Log Dialog Box](#)
- [Server Event Window](#)

### Server Event Window

The server window displays messages relative to the operation of the server. There are seven types of messages that can be displayed in order of decreasing severity:

Icon	Meaning	Description
	Fatal Error	Internal server fatal errors which require the server to be restarted.
	Error	Internal server errors which may be the result of invalid configuration data or invalid OLE Automation calls.
	Warning	Internal server warnings which may be the result of invalid configuration data or invalid OLE Automation calls.
	Information	General server informational or status messages.
	Debug1	General server debug messages in levels of relevancy as determined by the I/O server developer.
	Debug2	General server debug messages in levels of relevancy as determined by the I/O server developer.
	Debug3	General server debug messages in levels of relevancy as determined by the I/O server developer.

## Logon Account for Running as a Service

The Logon Account for Running As A Service dialog box appears after you enter xxxDRV REGSERVICE (where xxx is the three-letter driver acronym) at a command line or from the Run dialog box off the Start menu. This dialog box provides you with three options when registering the driver to run as a service. You can direct the I/O Server to log on with:

- The local system account.
- An account you specify.

The account you select is retained as the selected account the next time you register the driver:

**Use System Account** – lets the I/O Server run as a service using the local system account. This pre-defined account is useful when your local IT department's security policy requires password expiration. This account cannot be used to access remote OPC servers.

**Use This Account** – lets the I/O Server run as a service using the account you specify using the User Name and Password fields. This account is useful if you need to specify a domain account.

### User Name

The user name for the account you specify. Use this format if you specify a domain account:

`DomainName\UserName`

The user name you enter is retained and appears in this field the next time you register the driver.

### Password

The password for the account you specify. As you enter the password, it appears as a series of asterisks (\*). Unlike the name you provide in the User Name field, the password you enter is neither retained nor displayed in this field the next time you register the driver.

Refer to the topic *Feature: Running as a Windows Service* in the Power Tool help for more information.



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