EthernetIP Adapter

straton user guide – Rev. 4

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Content

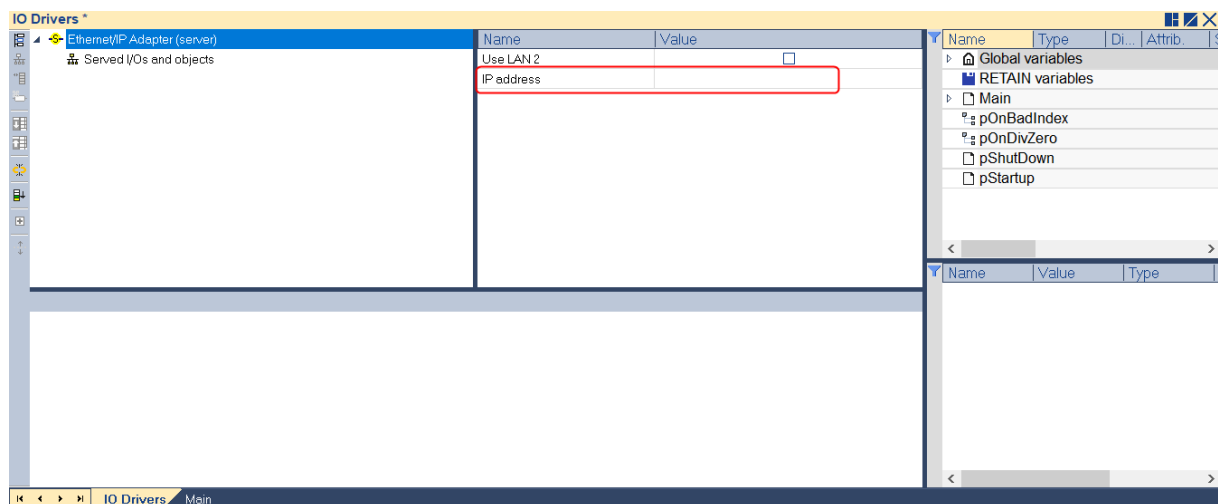# 1. Configuration of Ethernet/IP adapter

1.1. Adding the adapter configuration

Go in "Fieldbus configurations", click on "Insert Configuration", and then select the "Ethernet/IP Adapter (server)" protocol:
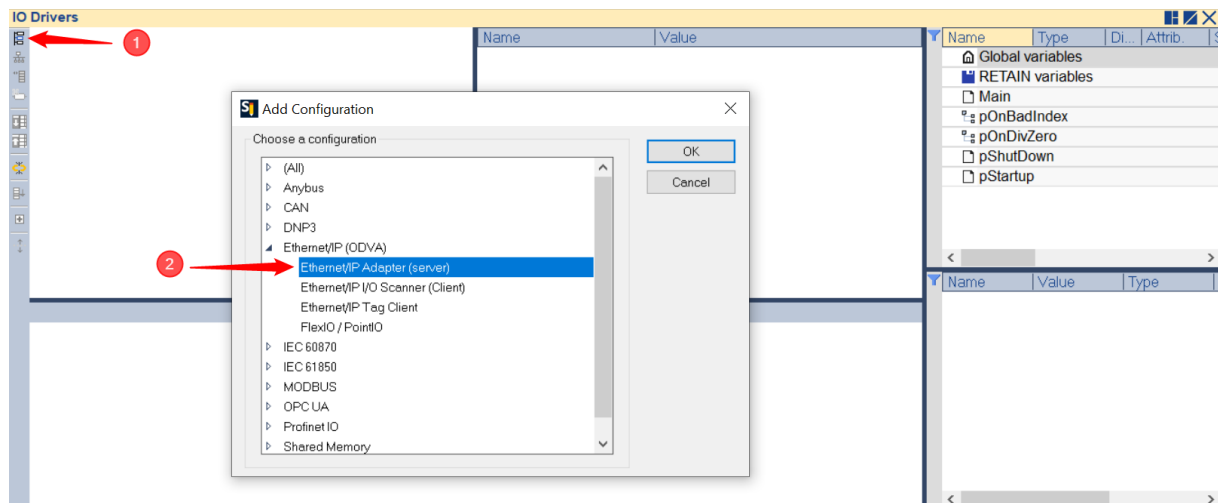
The server is automatically added to the configuration.

IMPORTANT: Think to fill the "IP address" field with the IP of the Ethernet card which will be used by the EIP Adapter application.

1.2.   Data Blocks configuration

Once the adapter configuration is done, you can start the "Datablocks" configuration. First add the data blocks by clicking on the "Insert Slave/Datablock" button. Then choose the I/O object you want to add.

"Originator" means the Scanner. "Target" means the adapter.

Thus, data configured to be Outputs (Originator to target) is the one which will be sent by the Scanner and received by the Adapter.
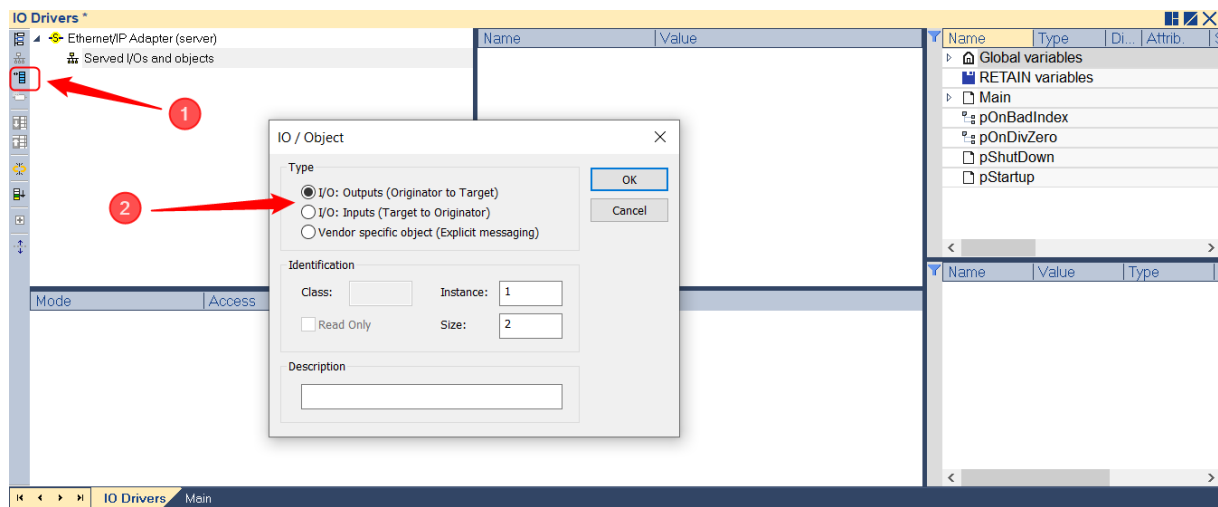

If you choose the "Vendor specific object" you can select the option "Read Only", meaning that the client (scanner) cannot write the object data. If the 'Read Only' box is unchecked, then the access right are free = Read/Write rights.

In case of a vendor specific object, the class must be filled in.

1.3.   Variable configuration

The last step is the variable configuration, click on "Insert variable", the variable dialog will open:
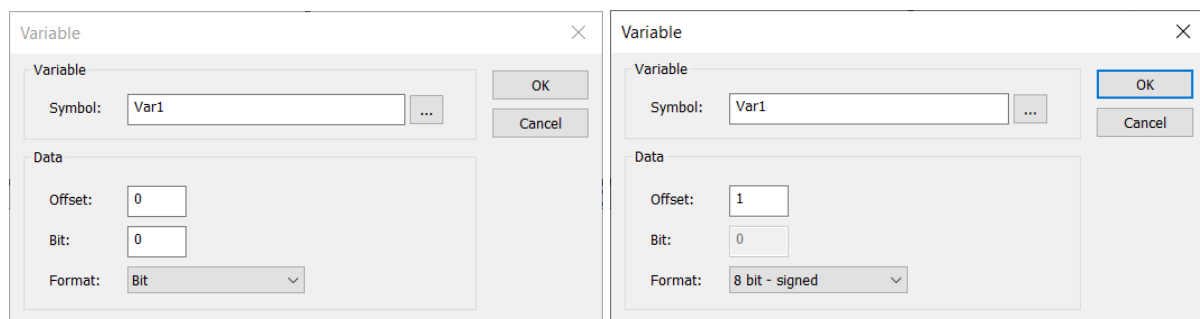
Select the variable datatype using the list on the format option.
The offset is the byte offset of the fieldbus.
If you select a Bit datatype, you can also choose which bit you need in a byte using the Bit option.

2. Frequently Asked Questions

How can I know that an EIP Scanner is connected to my EIP Adapter ?

In order to know if a scanner is connected to the Adapter application, the following block can be used in a program:

Run: true if the EIP stack is running (activated by the runtime)

IOcnx: true if an I/O connection is established with the scanner