



Configuration Manual For SCADA

► *Intouch v9.0*

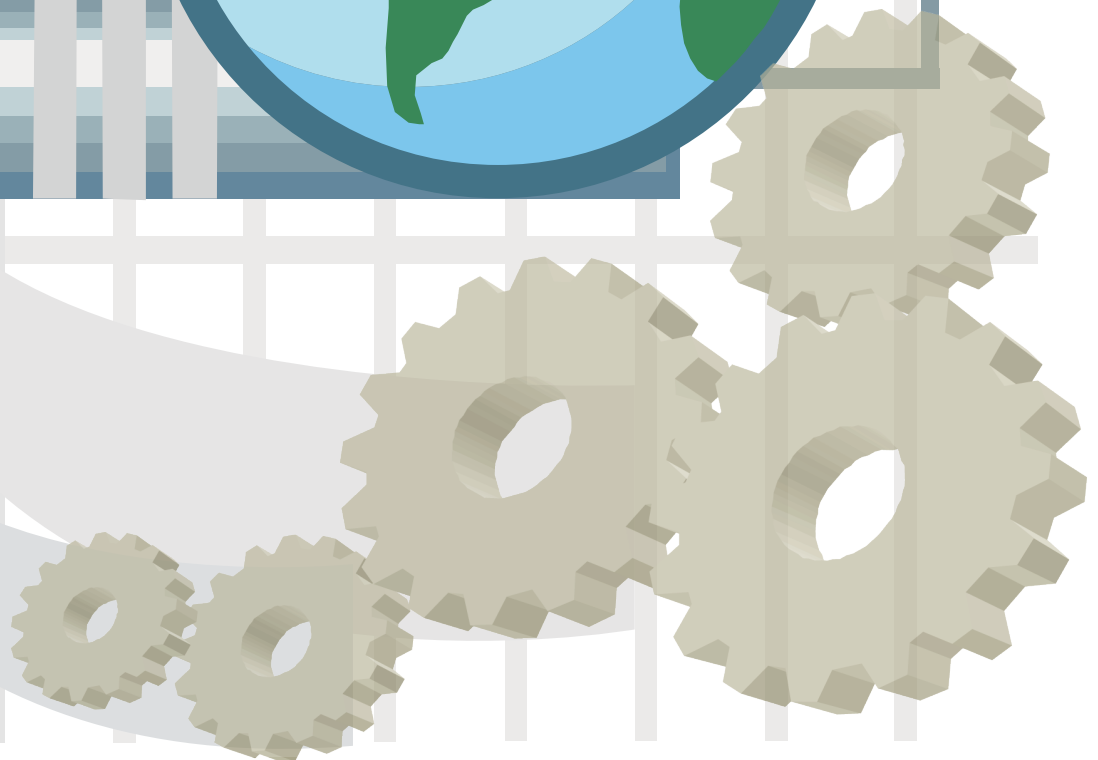


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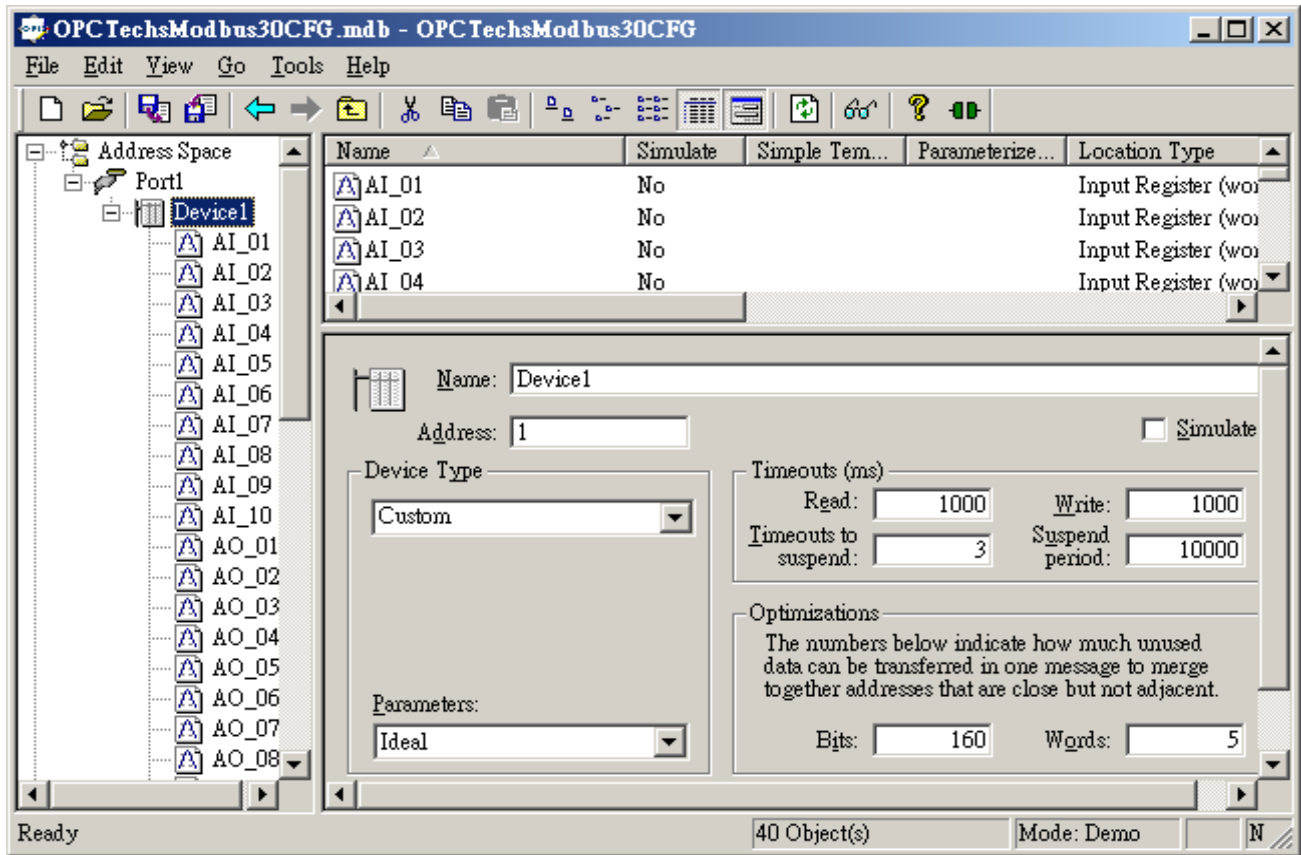
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Chapter 1

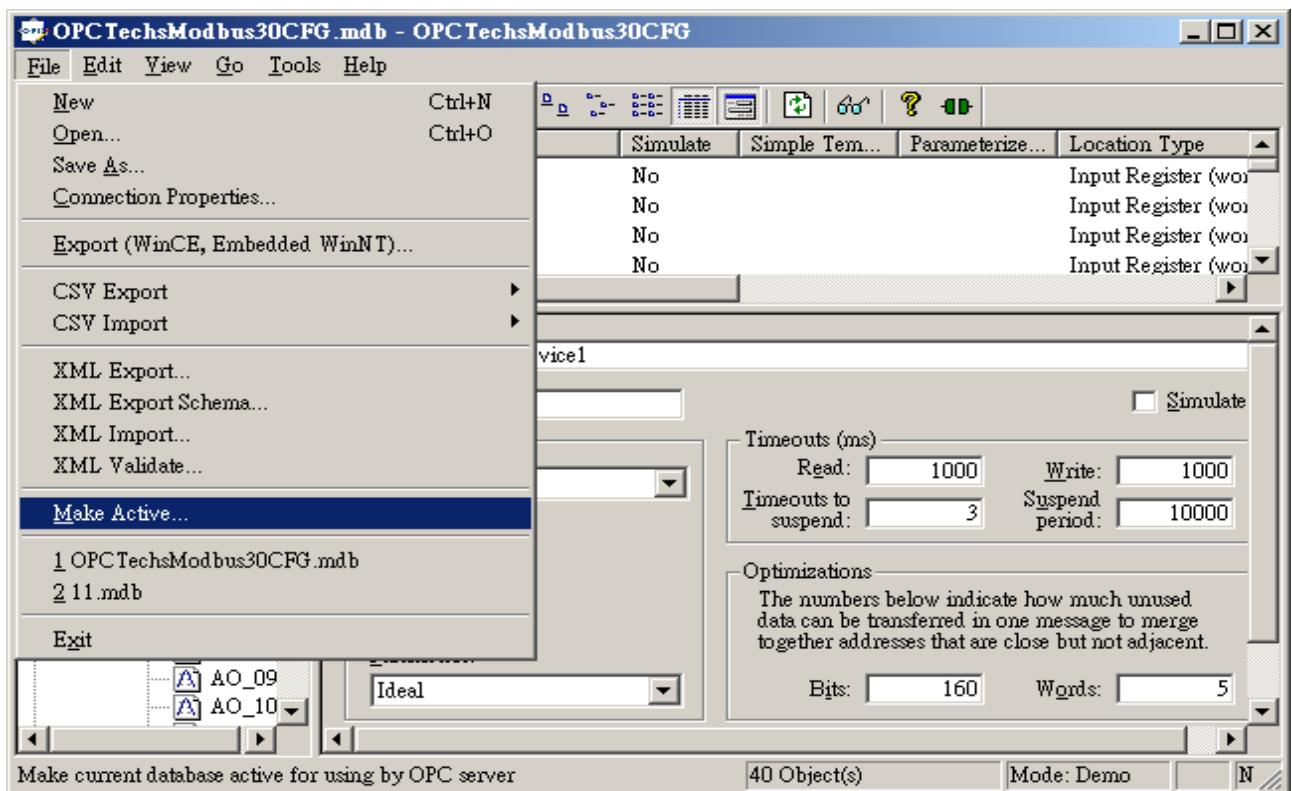
Intouch v9.0

1-1 OPC Server

Please create tags according to the Configuration Manual.

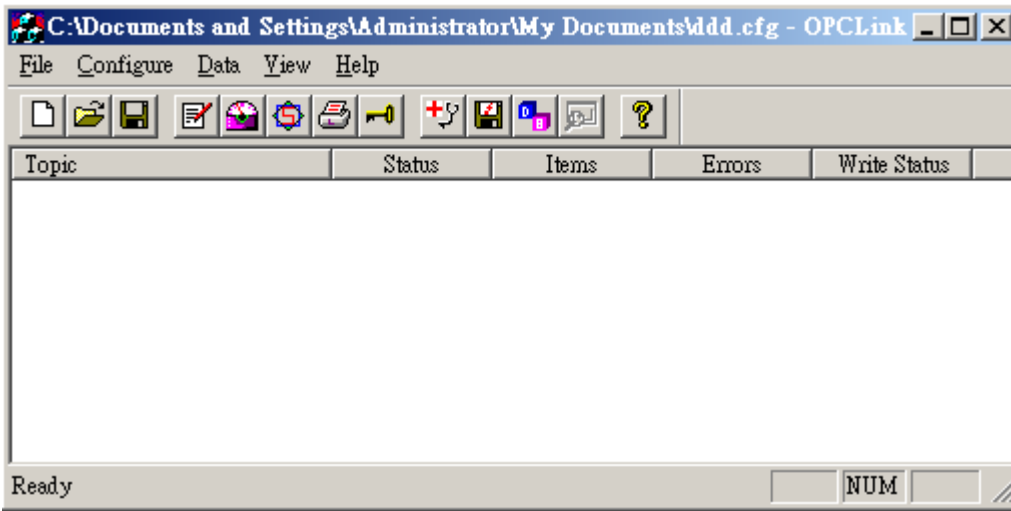


Later, click [File] → [Make Active] to activate new created configuration file.

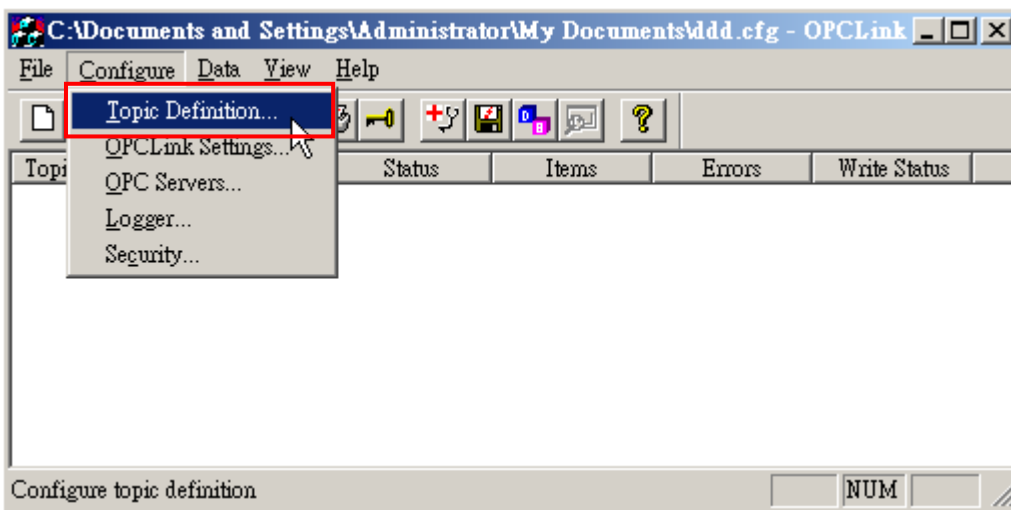


1-2 Connect OPC Client to OPC Server through Intouch v9.0

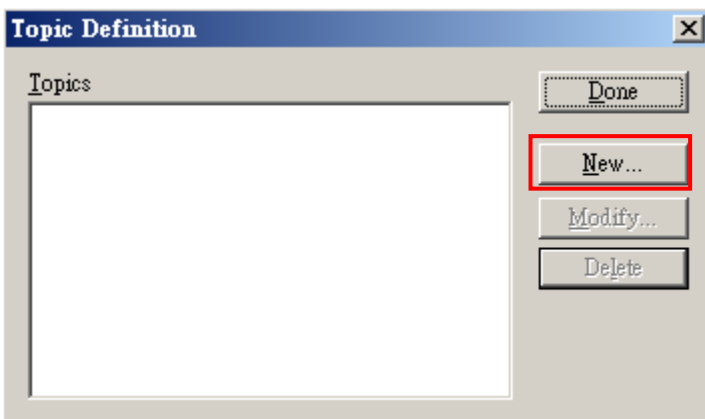
Start OPCLink. [Start] → [Program] → [Wonderware] → [IO Servers] → [OPCLink]



[Configure] → [Topic Definition]



Click [New] to add new Topic



OPC Link Topic DefinitionDescription

The screenshot shows a dialog box titled "OPCLink Topic Definition". It includes the following fields and controls:

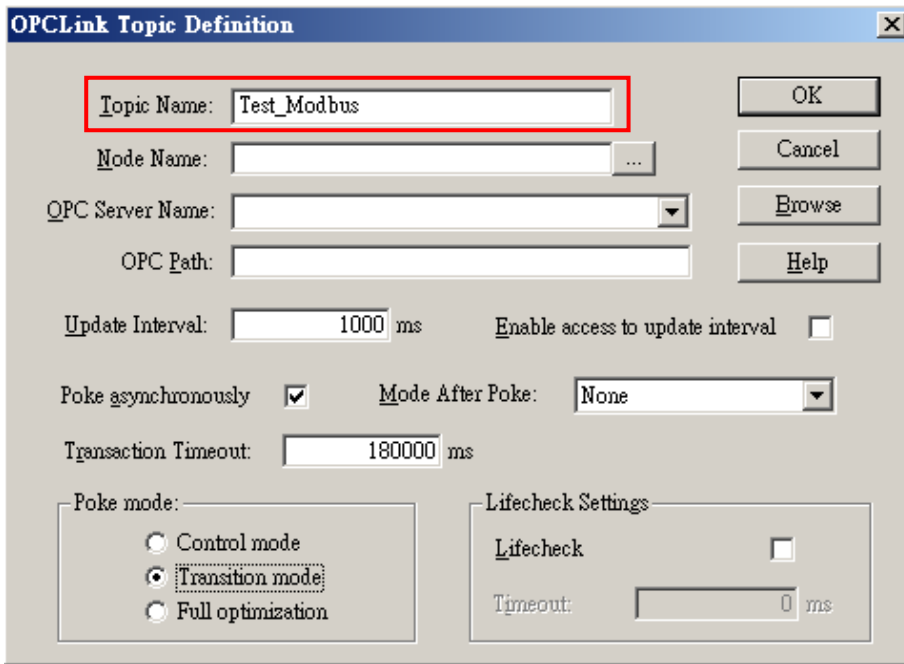
- Topic Name: [Text Input]
- Node Name: [Text Input] ...
- OPC Server Name: [Dropdown Menu]
- OPC Path: [Text Input]
- Update Interval: [Text Input] 1000 ms
- Enable access to update interval:
- Poke asynchronously:
- Mode After Poke: [Dropdown Menu] None
- Transaction Timeout: [Text Input] 180000 ms
- Poke mode:
 - Control mode
 - Transition mode
 - Full optimization
- Lifeclock Settings:
 - Lifeclock:
 - Timeout: [Text Input] 0 ms

Buttons: OK, Cancel, Browse, Help

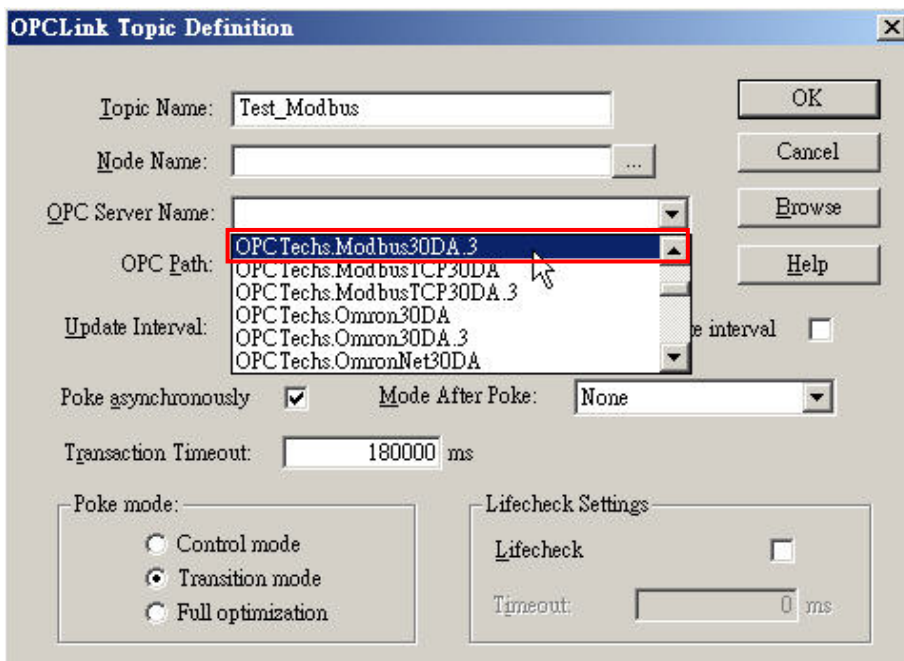
Column	Description
Topic Name	Topic Name
Node Name	Remote OPC Server (IP or name of Remote PC/ Please skip this column if there is no remote pc be connected with.)
OPC Server Name	The OPC Server to be connected with
OPC Path	Group of OPC Server

Here takes Modbus as an example

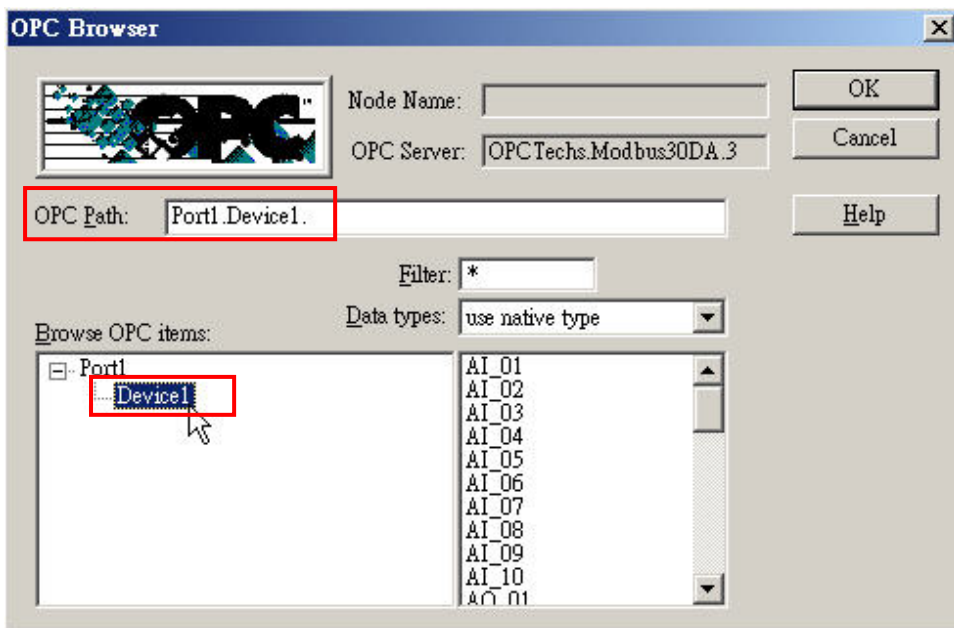
First, Define the Topic Name as "Test_Modbus".



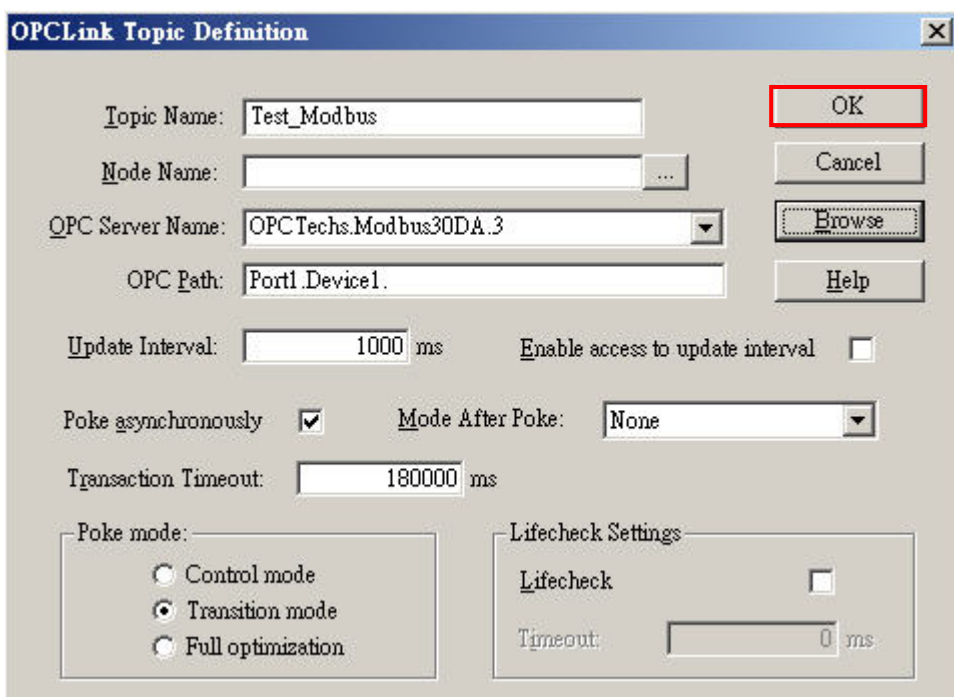
Please select "OPCTechs.Modbus30DA.3".



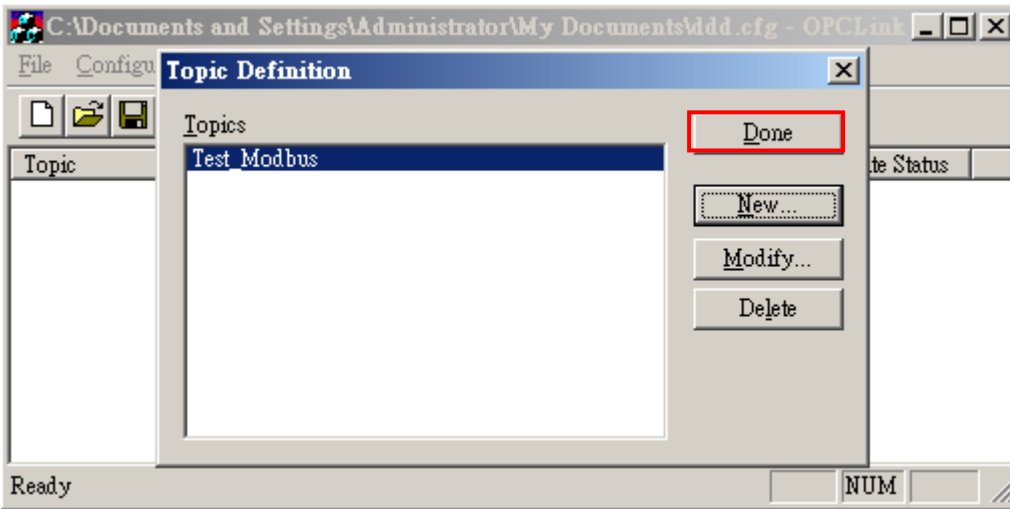
Click "Browse" on "OPC Path" to choose the Data Item, and then click [OK].



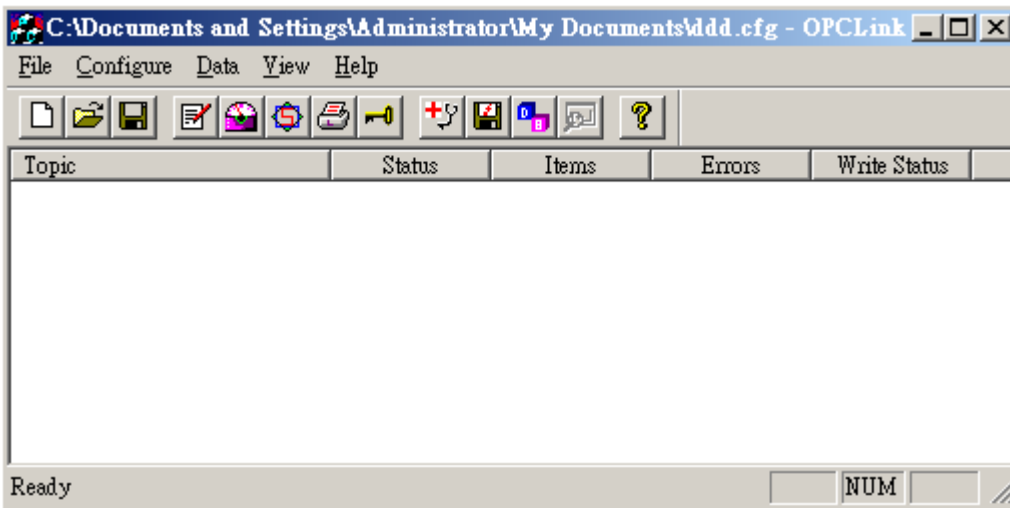
Click [OK]



Click [Done].

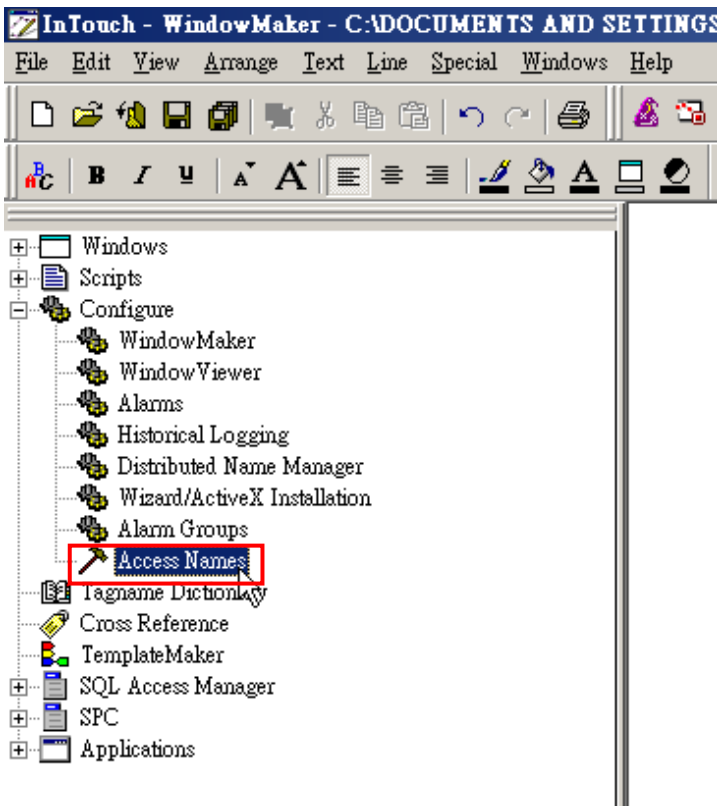


Do not close OPCLink, Please continue the following issue without closing OPCLink.

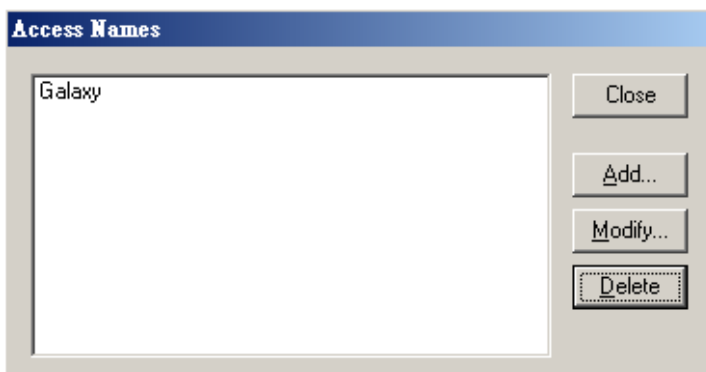


Start InTouch program. [Start] → [Programs] → [Wonderware] → [InTouch] → create a new project.

Select [Access Names] on the tree view.



Click [Add] to create a new “ Access Names”.



Description of Access Name Configuration

The screenshot shows a dialog box titled "Add Access Name". It has the following fields and options:

- Access:** A text input field.
- Node Name:** A text input field.
- Application Name:** A text input field.
- Topic Name:** A text input field.
- Which protocol to use:** Three radio buttons: "DDE", "SuiteLink" (which is selected), and "Message Exchange".
- When to advise server:** Two radio buttons: "Advise all items" and "Advise only active items" (which is selected).
- Buttons:** "OK" and "Cancel" buttons are located on the right side of the dialog.

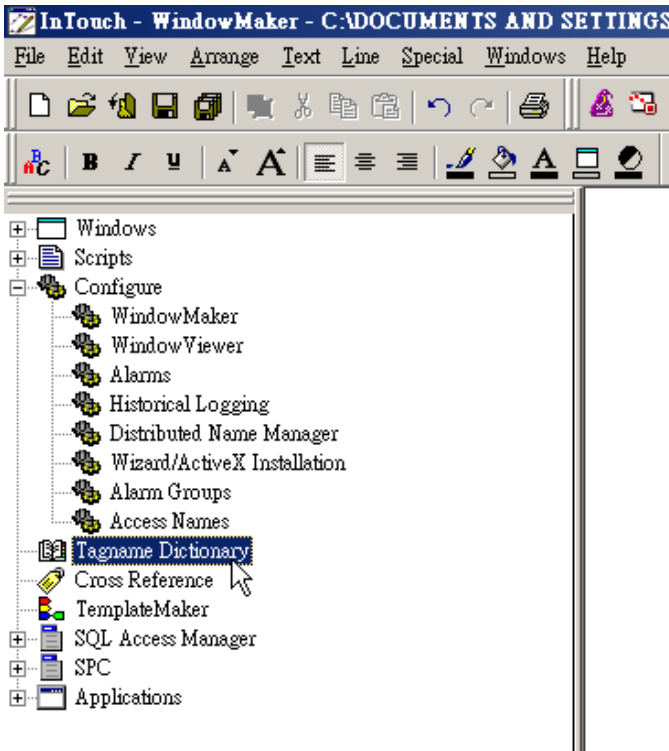
Column	Description
Access	Access name
Node Name	Remote OPC Server (IP or name of Remote PC/ Please skip this column if there is no remote pc be connected with.)
Application Name	Application name
Topic Name	Topic name of the application
Which protocol to use	
When to advise server	

The configuration of OPC Link connection. Please select [OK].

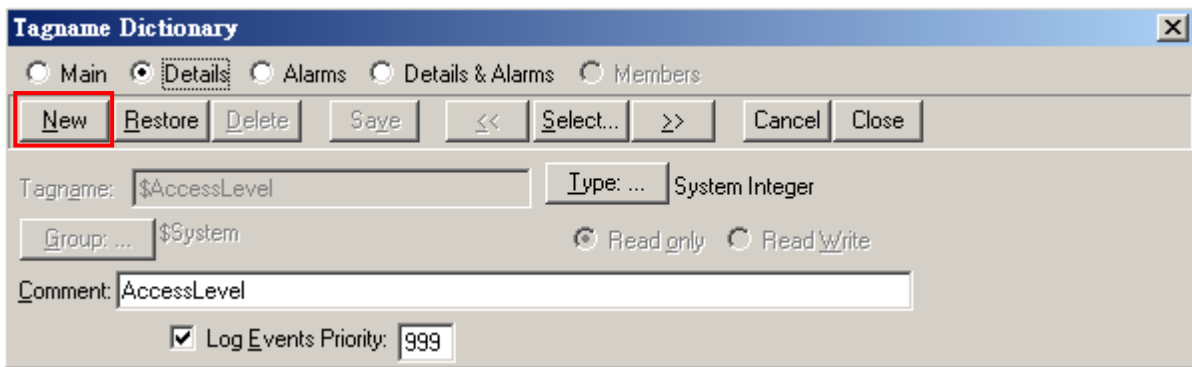
Column	Description
Access	Test
Node Name	Please skip this column if there is no remote pc be connected with.
Application Name	OPCLINK
Topic Name	Test_Modbus (Topic Name of OPCLINK)
Which protocol to use	Suite Link
When to advise server	Advise only active items

A “test” project will be created.

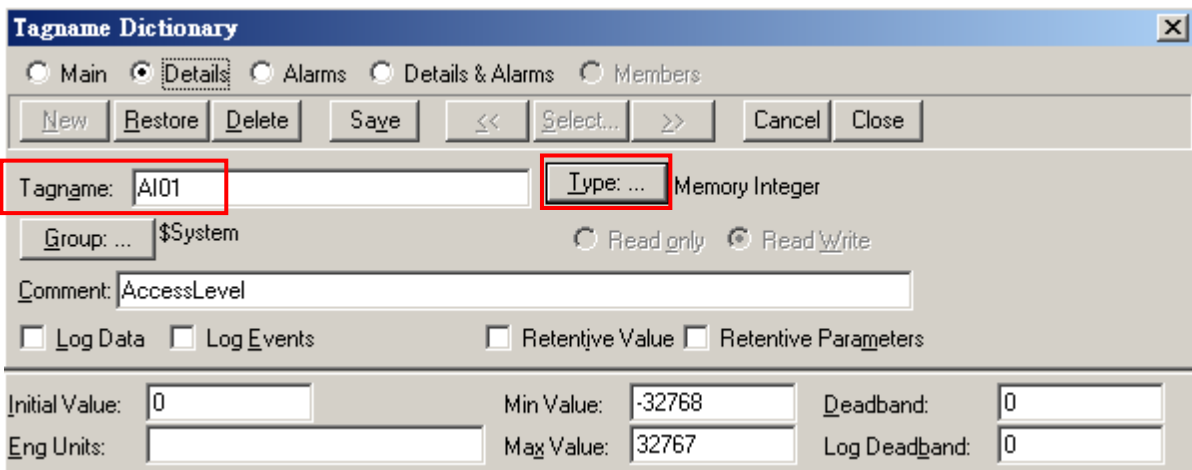
Select [Tagname Dictionary] to create new tags connected to Access Names.



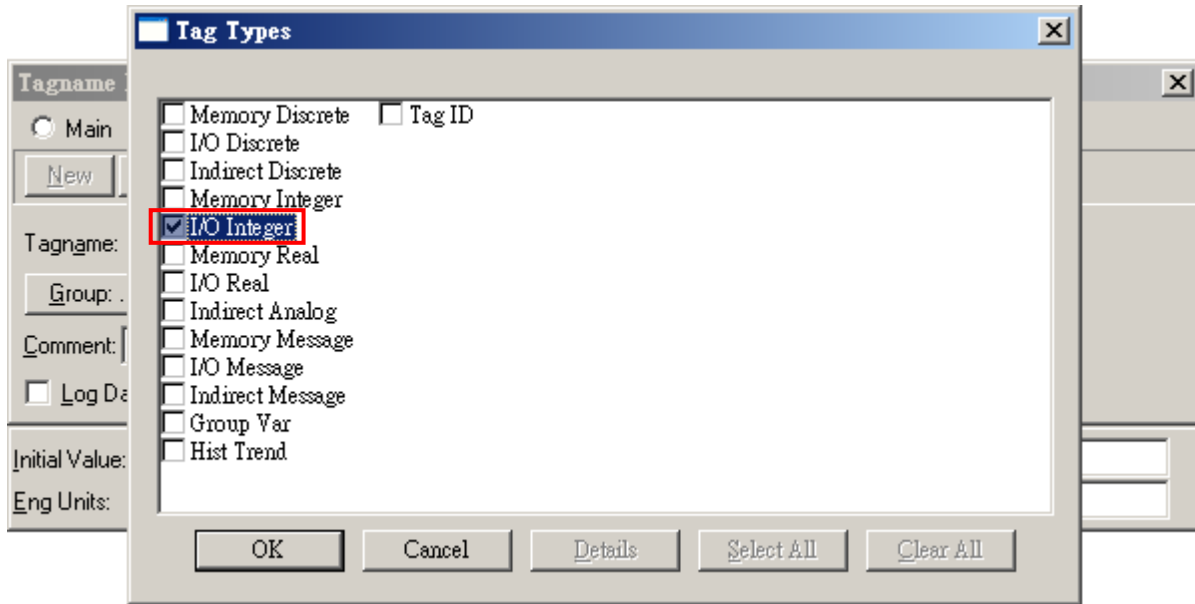
Create a new Tag.



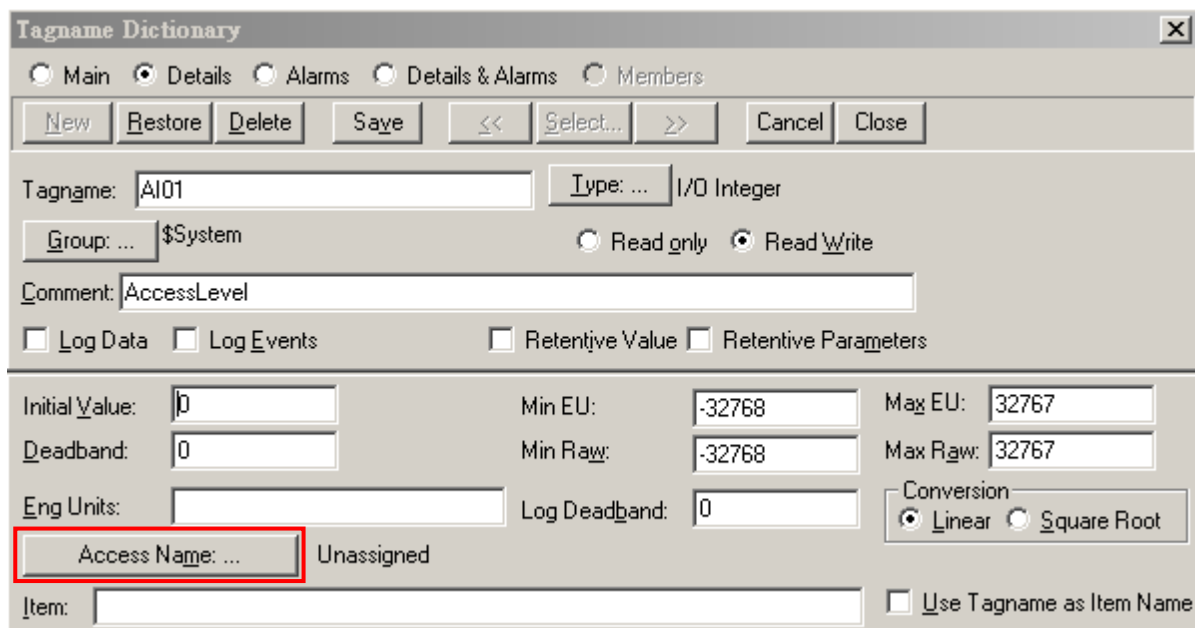
Type in "AI01" in [Tagname]; then click [Type] to select the Tag Type.



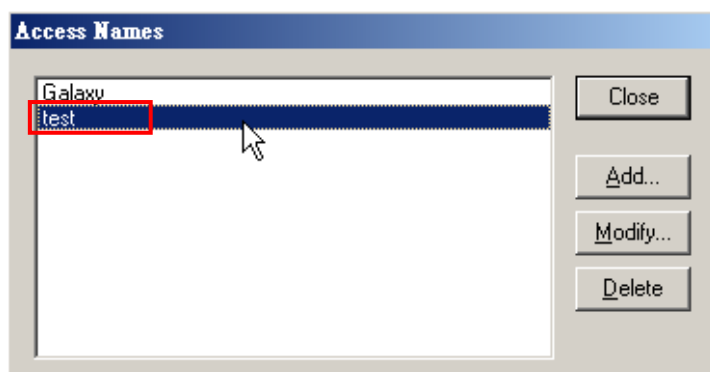
Please select “source “.



Click [Access Name] to select the Access Name you need.



Select the “test” to be connected, and then click [Close].



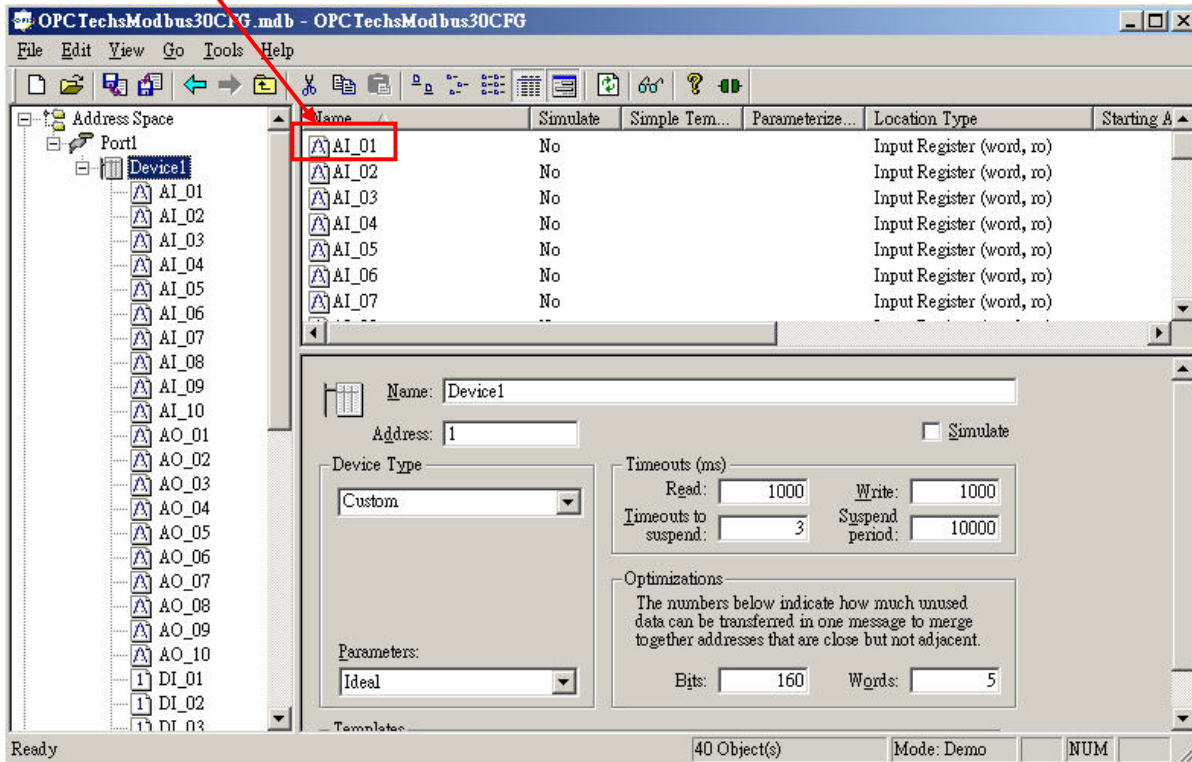
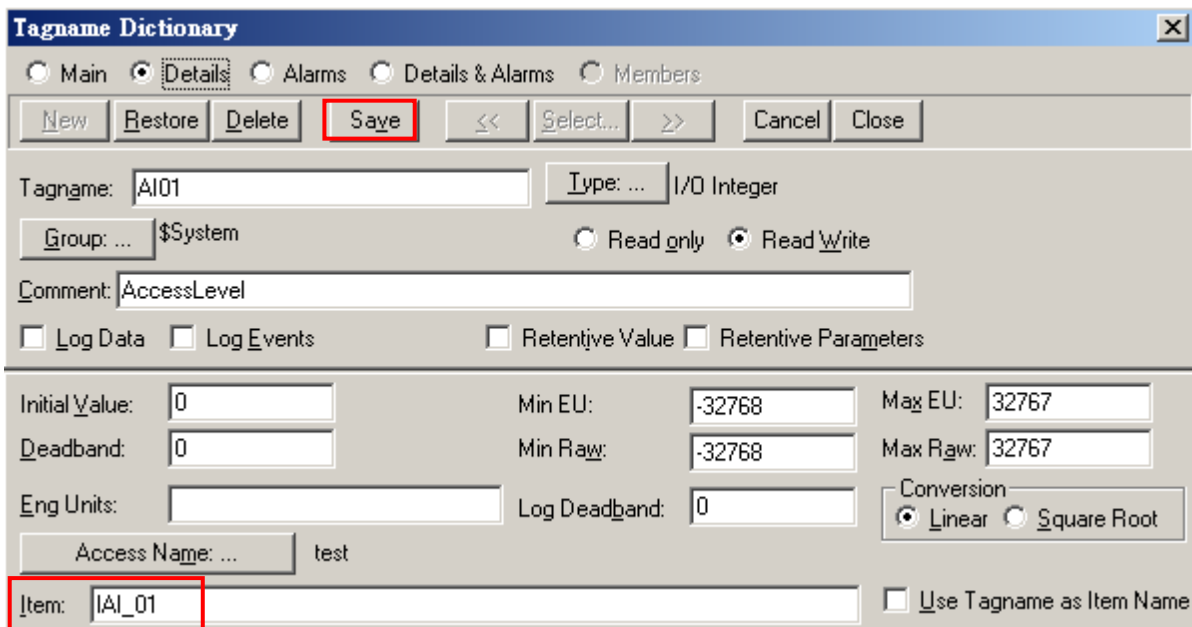
Type in the Tag connected to OPC Server. The format of Tag name must follow:

{Tag Type}+{Tag Name}

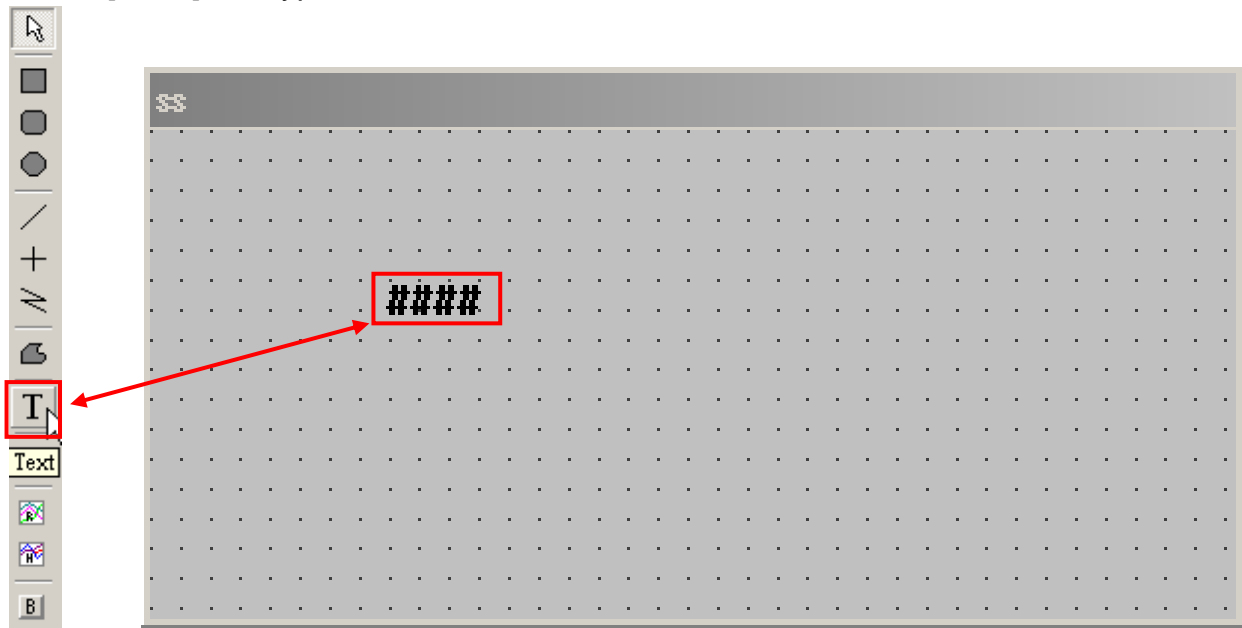
D : Discrete Value 、 I : Integer Value 、 R : Real Value 、 M : Message Value

⇒ **IAI_01**

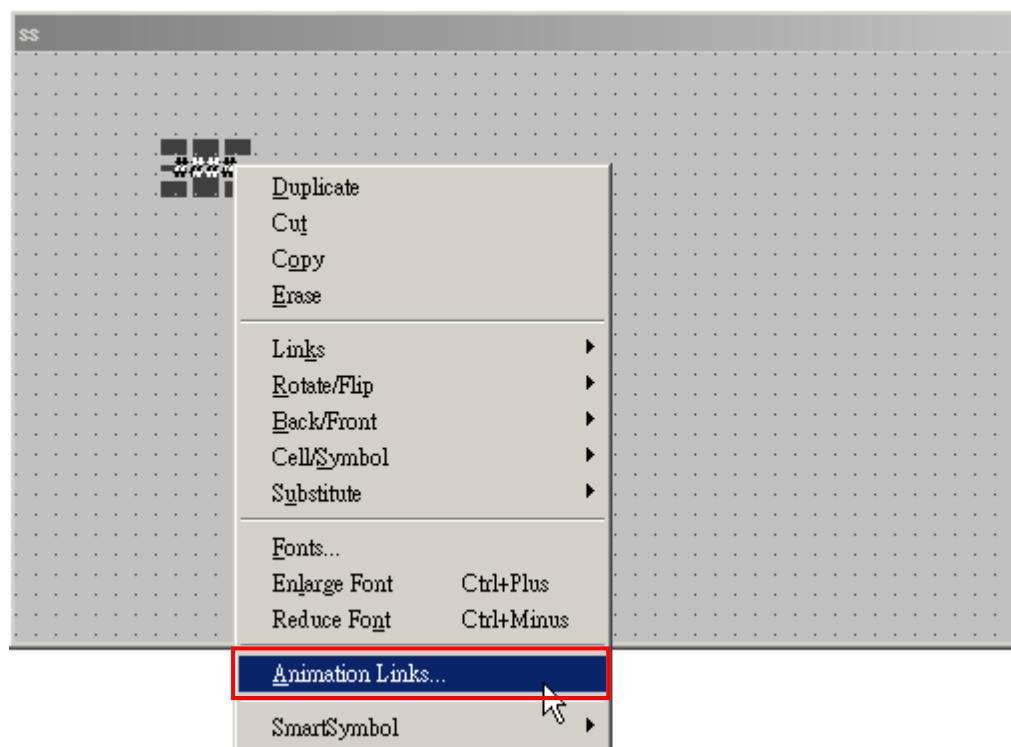
Click [Save].



Select [Text] and type "####".



Press the right key of the mouse selecting [Animation Links].



Click [Analog] to select the data source.

The screenshot shows a configuration dialog for an 'Object type: Text'. At the top, there are 'Prev Link', 'Next Link', 'OK', and 'Cancel' buttons. The main area is divided into several sections:

- Touch Links:** Contains 'User Inputs' with options for Discrete, **Analog** (checked and highlighted with a red box), and String. Below are 'Sliders' (Vertical, Horizontal) and 'Touch Pushbuttons' (Discrete Value, Action, Show Window, Hide Window).
- Line Color:** Options for Discrete, Analog, Discrete Alarm, and Analog Alarm.
- Fill Color:** Options for Discrete, Analog, Discrete Alarm, and Analog Alarm.
- Text Color:** Options for Discrete, Analog, Discrete Alarm, and Analog Alarm.
- Object Size:** Options for Height and Width.
- Location:** Options for Vertical and Horizontal.
- Percent Fill:** Options for Vertical and Horizontal.
- Miscellaneous:** Options for Visibility, Blink, Orientation, and Disable.
- Value Display:** Options for Discrete, Analog, and String.

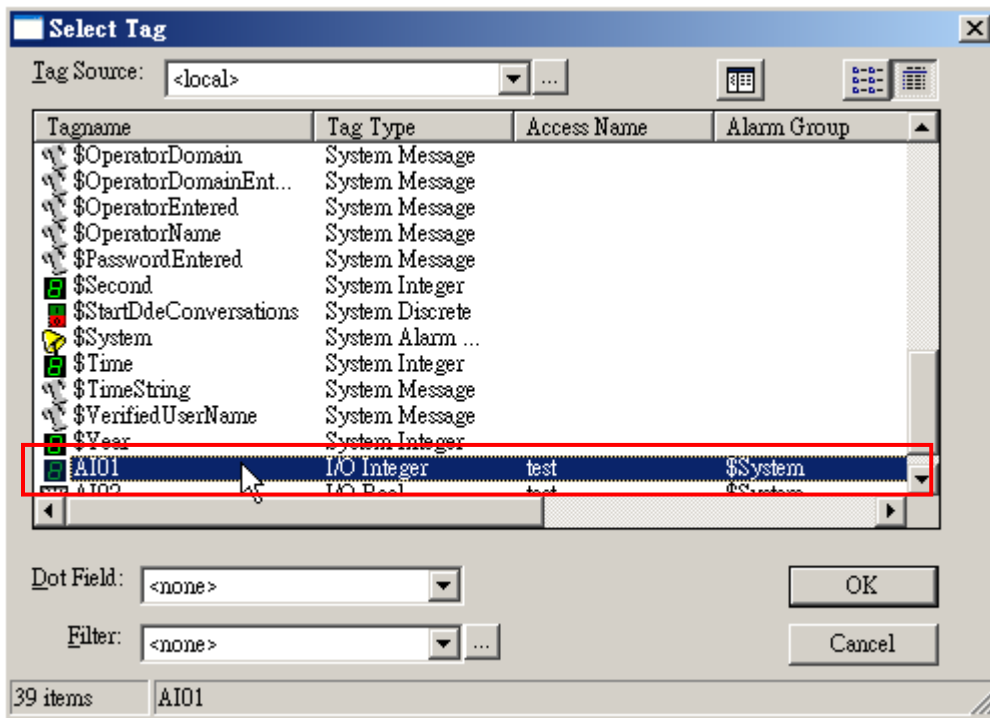
Double click on the “ Tagname”.

The screenshot shows the 'Input -> Analog Tagname' dialog. At the top, there are 'Prev Link', 'Next Link', 'OK', and 'Cancel' buttons. The main area contains:

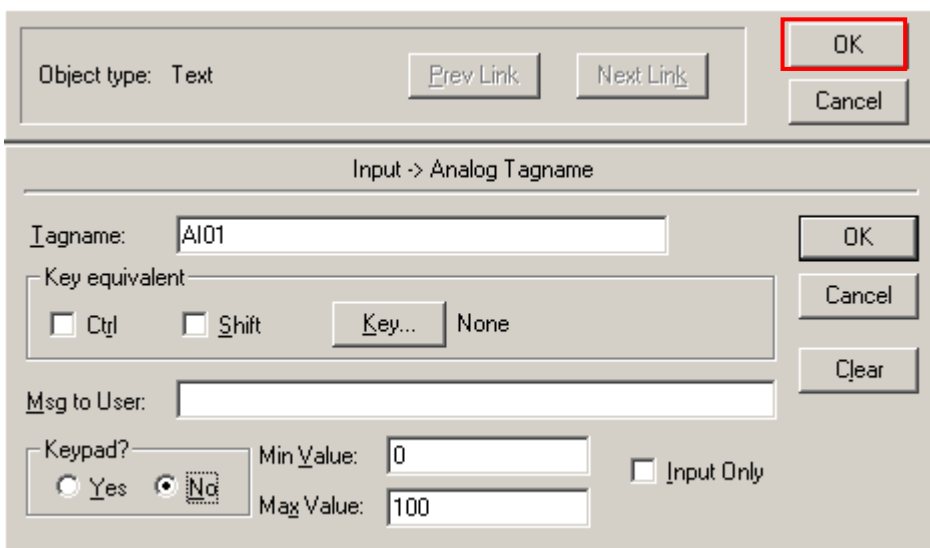
- A text field labeled 'Tagname:' which is highlighted with a red box.
- A 'Key equivalent' section with checkboxes for 'Ctl' and 'Shift', a 'Key...' button, and 'None'.
- A 'Msg to User:' text field.
- A 'Keypad?' section with radio buttons for 'Yes' and 'No' (selected).
- Input fields for 'Min Value:' (set to 0) and 'Max Value:' (set to 100).
- An 'Input Only' checkbox.

Buttons for 'OK', 'Cancel', and 'Clear' are located on the right side of the dialog.

Please select "AI01".



Click [OK].



Start Intouch program.

