Configuration Manual For SCADA

iFIX v4.0
Table of Contents

Chapter 1  iFIX 4.0 ............................................................................................................3
   1-1 OPC Server ............................................................................................................4
   1-2 Connect OPC Client to OPC Server through iFIX 4.0........................................5
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 iFIX 4.0

Start iFIX 4.0. Select [ SCU ] to set up OPC Client.

SCADA Configuration
Select “Enable” on [ SCADA Support ], and then click the “?” nearby [ I/O Driver Name ].

Select “OPC Client v7.34a”; then click [ OK ].
Click [Add] to add the I/O Driver you need.

Click [Configure...] to set up the DataItem connected to OPC Client.
Select the OPC Server or Remote OPC Server you need; than click “Connect…” . Later, the Power Tool window will be opened.

Please select to add the OPC Server.

![Power Tool window](image)
Select the OPC Server you need, and then click “OK”.

Select [ Enable ] to connect to OPC Client.
Click ![Image](image1.png) to create a Group.

Select [Enable] to connect to the group.

![Image](image2.png)
Click ![add data item icon] to add a DataItem.

Define the name of the Item and select “Enable”. Click [Browse Server] to display all the tags.
Select the Item to be connected with; then click [OK].
Item ID will be defined automatically.

Save the settings.
Select the location where the setting will be stored.

Click 「Options」 → 「Setup」
Define the name and location for Config File

Close Power Tool and SCADA Configuration.
Start iFix 4.0

Click ![image](57x478 to 395x758) to create tags and enable the connection with OPC Client.
Click to create a new Tag.

Select the data type.
Define the Tag Name; select “OPC Client” for Driver and type in its I/O Address. (Note 1)

**Note 1:** I/O Address format is `Server;Group;ItemID[:AccessPath]`
E.g. the I/O Address of AI_01 should be as follows:
Server1;Group1;Port1.Device1.AI_01;No Access Path

Click [Save].
Click [ Database ] → [ Save ]; then close Database Manager.

Draw tags and make connections.
Set up the property of Text1.

1. In the Basic Animation Dialog, set the Object Name to Text1.
2. Configure the properties as follows:
   - **Caption**: Set to a specific string.
   - **Font Name**: Arial
   - **Font Size**: 12
   - **Font Style**: Normal
3. In the Text1 Animations dialog, select the **Animate** option for the Caption property.
4. Under Dynamic Setting for the Caption Property, set the Data Source as needed.
Select the Tag to be connected and then click [ OK ].

Normal connecting status