

QS START UP SNMP OPC SERVER

Quick start guide for the SNMP OPC SERVER V3

AUTOMATION

Quick start guide

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Use of the SNMP/OPC server

The FL SNMP OPC server V3 comprises a pre-configured device catalog which contains devices from Phoenix Contact.

This quick start guide should assist you in creating your own devices with their individual folder structures, add them to the network and test them.

The following steps are explained:

1. Creating a new device for the device catalog
2. Creating a folder structure in a new device
3. Creating new data points
 - a) Using the MIB browser
 - b) Specifying the OID
4. Adding devices from the device catalog to the network
5. Testing of data points



Make sure you always use the latest documentation.
It can be downloaded at www.phoenixcontact.net/catalog.

1 Creating a new device for the device catalog

To use a new device in the SNMP/OPC server, the device must be created as a device type in the device catalog first. Create a new device by clicking right on the device catalog.

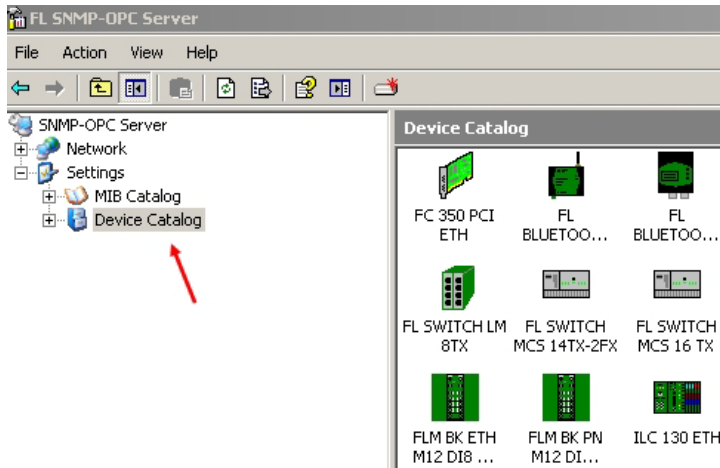


Figure 1 User interface of the SNMP/OPC server

Select "New", "Device Type". The following window appears:

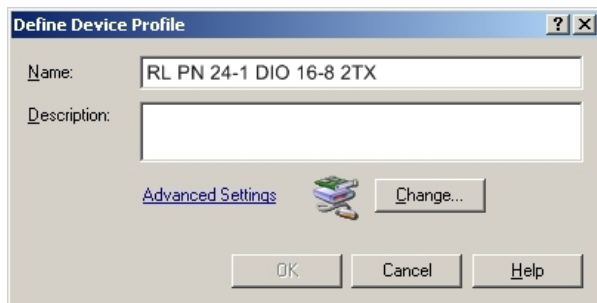


Figure 2 Creating a new device type

- In this window, enter a name for the device type. A short description can be added and the icon can be changed.
- After clicking on "OK", the device created is shown in the device catalog.

2 Creating a folder structure in a new device

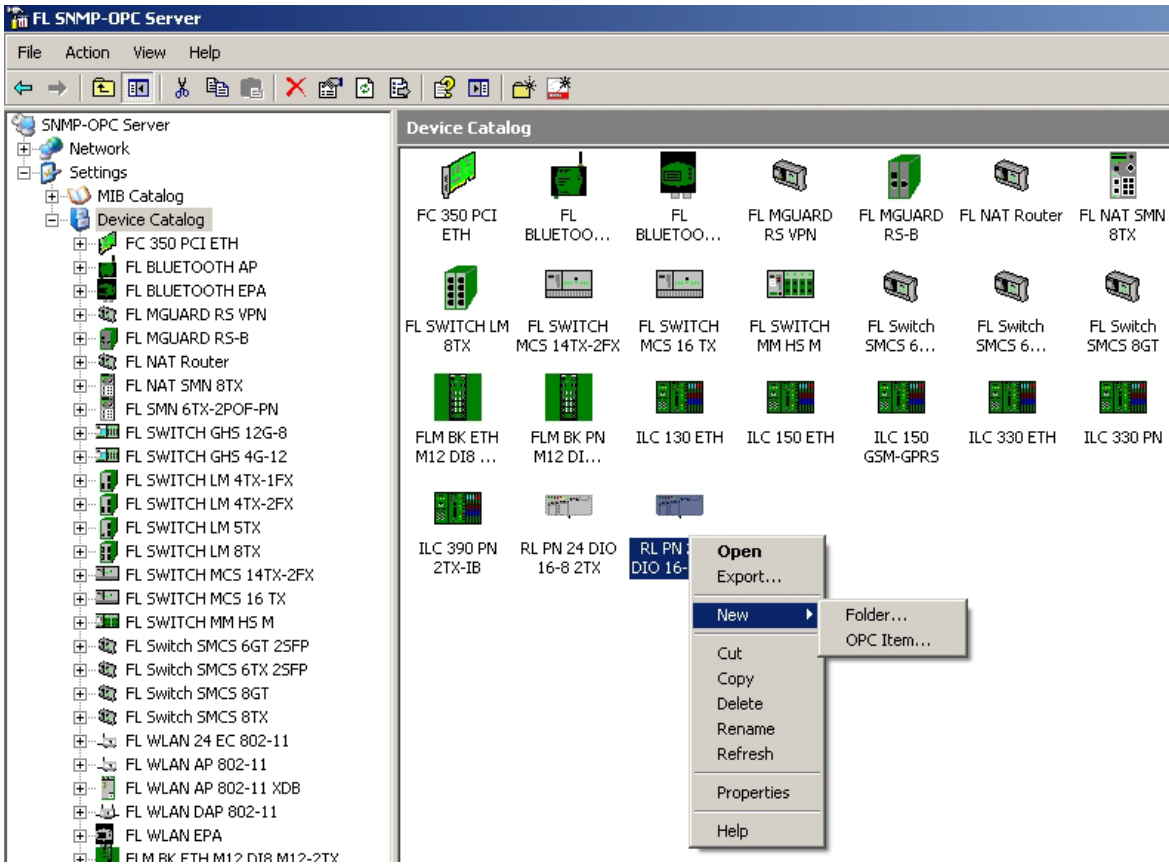


Figure 3 Creating a folder

To create a folder in the device type, select the device. Right-click to open the menu and select "New", "Folder" (see above). The following window appears:

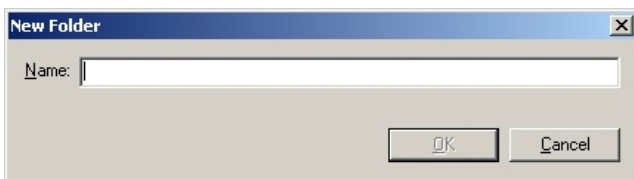


Figure 4 New Folder

In this window, you can enter the folder name. After confirming, the folder is shown below the device. It is possible to create any number of folders, even in structures.

3 Creating new data points using the MIB browser

After creating folders and subfolders, the data points can be created. The Data Point Wizard will assist you. To call the wizard click on the folder which is to contain the data point. Right-click on the folder and select "New", "OPC Item" to start the wizard.

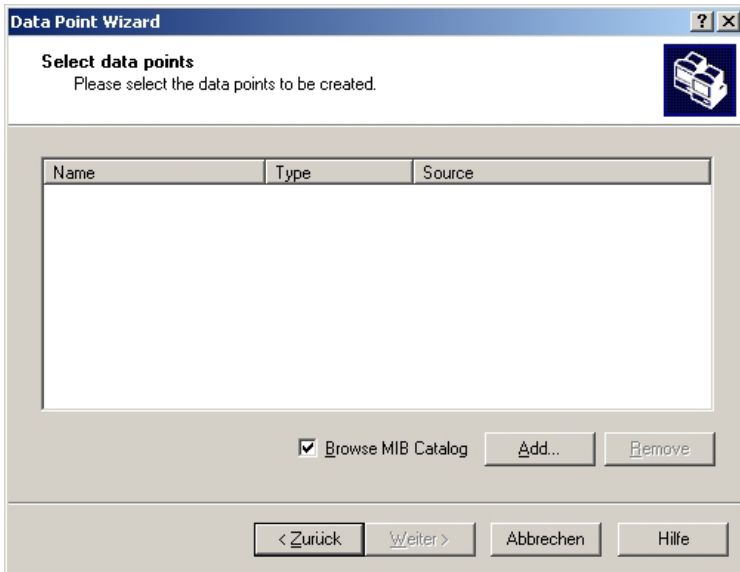


Figure 5 Data Point Wizard

There are two possibilities to create data points:

a) Creating data points using the MIB browser

Click on "Add" to use the MIB browser for creating data points. The following window appears:

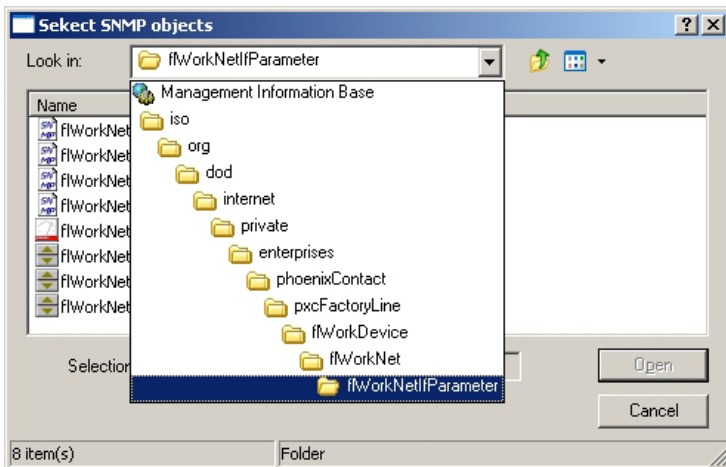


Figure 6 MIB browse

Select a data point from the relevant MIB and click on "Open". The data point is now shown in the Data Point Wizard. Click on "Next" or "Finish". The data point is created.

b) Creating data points by specifying the OID

To create data points without using the MIB browser, the "Browse MIB Catalog" function must be deactivated.

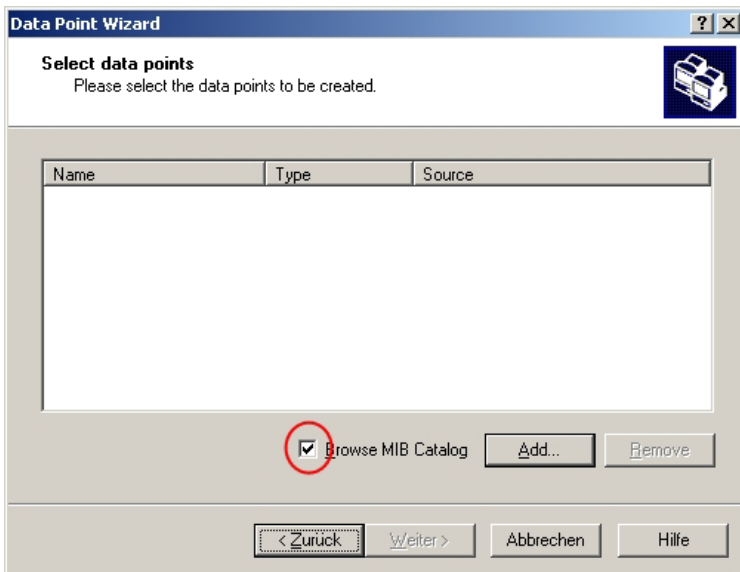


Figure 7 Deactivating the MIB catalog

Click on "Add". The following window appears:

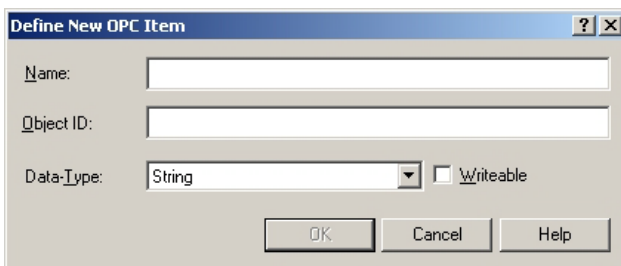


Figure 8 Manually creating a data point

In this window, enter the data point name and the OID. In addition, you can determine the data type and whether the data point can be written.

Click on "OK" when finished. The data point is now shown in the Data Point Wizard. Click on "Next" or "Finish". The data point is created.

4 Adding devices from the device catalog to the network

In order for the SNMP/OPC server to monitor devices, the relevant devices must be added to the network by means of drag & drop.

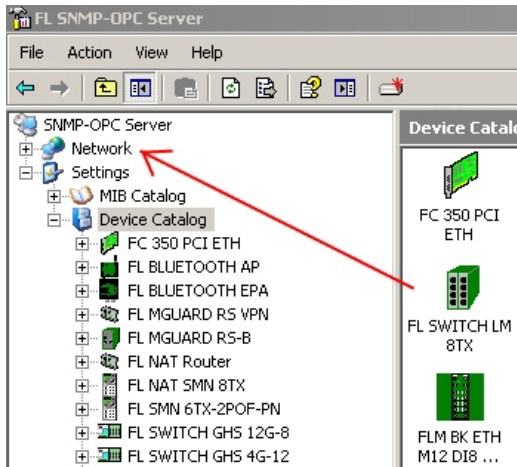


Figure 9 Adding to the network

A window for device configuration opens:

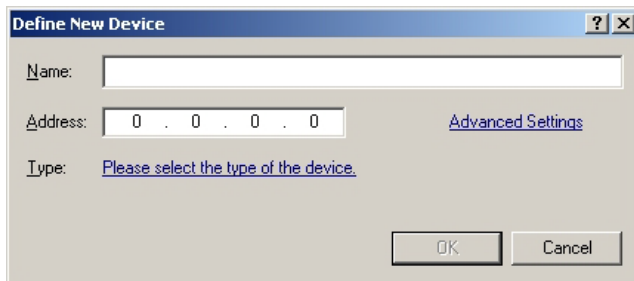


Figure 10 Device configuration

In this window, enter the device name, IP address and the device type.

The access data of the device can be configured by clicking on "Advanced Settings"

After clicking on "OK" the device is shown in the network and the data points can be requested.

5 Testing of data points

The SNMP/OPC server provides a function for testing the data points. For this purpose, select a device from the network and right-click on the data point to be tested. Select "Properties". The following window appears:

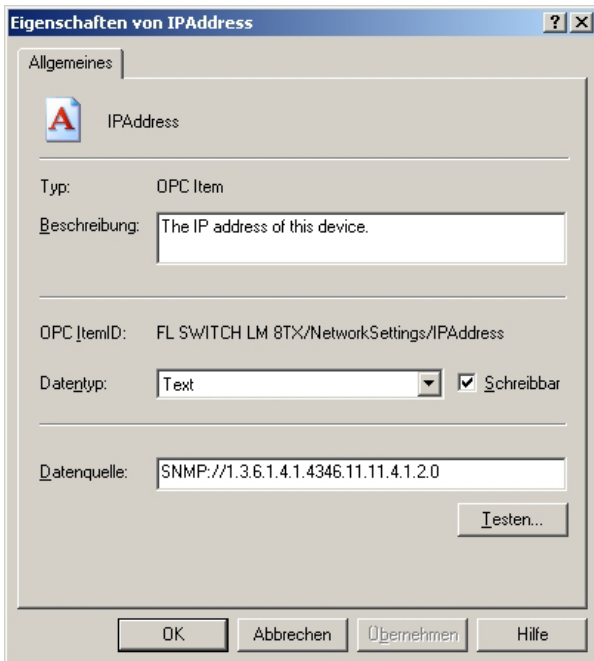


Figure 11 Properties of a data point

Click on "Test" to open the following window:

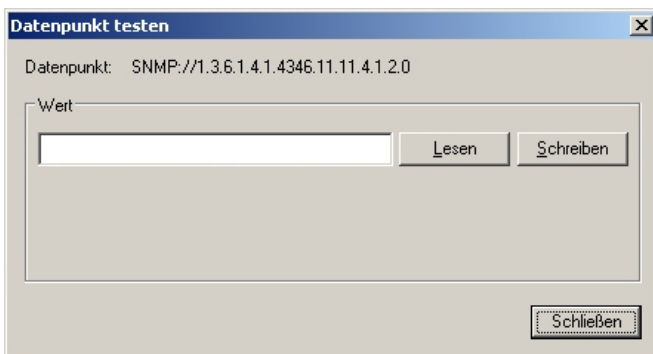


Figure 12 Testing the data point

In this window, you can read and write the data points.