Network SNMP Tag Importer

Explanation on to import tags from Network SNMP.

Simple Network Management Protocol (SNMP) is a standard protocol for monitoring and managing network devices. The Import Tag Wizard facilitates importing SNMP tags into the solutions developed on the software platform. Users configure SNMP settings by specifying the IP address, port, version, and authentication parameters. To use, on the Designer workspace, go to Solution/Import Tags, double-click on the SNMP import wizard, or click to select the SNMP and press the Execute button to open the configuration dialog.

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Instructions

Wizard Startup

Go to Solution Import Tags on the Designer workspace and select "Import SNMP configuration." Double-click on the selected wizard or press the "Execute" button to open the initial configuration popup.

Initial Configuration

In the initial configuration dialog, enter the SNMP information:

- **IP Address**: Specifies the target device's IP address for SNMP communication. The default value is 127.0.0.1, which refers to the local machine.
- **Port**: Indicates the port number used for SNMP communication. The standard port for SNMP is 161.
- **MIB**: Refers to the Management Information Base, which contains a collection of information that can be queried or modified on the target device.
- **Version**: Defines the SNMP protocol version to use. Options include v1, v2, and v3. Version v3 enables additional authentication and privacy features.
- **Authentication**: Determines the authentication method for SNMP v3. If selected, options MD5 and SHA1 become available. No authentication is applied for other versions.
- **Passphrase**: This field serves as the authentication key. It is relevant when using MD5 or SHA1 as authentication methods in SNMP v3.
- **Privacy**: Indicates whether privacy features are applied. Encryption options DES and AES become available when using v3 with selected authentication methods.
- **Passphrase**: Functions as the privacy key for encryption. This field is relevant when privacy options (DES or AES) are selected in SNMP v3.
- **UserName**: Specifies the username for SNMP v3 authentication. This field is required when using SNMP v3 with authentication enabled.

Sync Device Node

The "Sync Device Node" dialog will appear. Here, you have the following import option:

- From a file: Provide the path of your stored file.

Prefix Option (Optional)

Select "Add NodeName as Prefix" option to automatically add the PLC's name as a prefix to all imported tags. It improves organization, especially in solutions with multiple PLCs.

Refresh

Click "Refresh" to display a preview of available tags.

Import

Finally, press "Ok" to start the import process.

Tutorial

The tutorial in the image below shows how to import tags from SNMP.

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