WinCC Explorer And

KepServer Communication

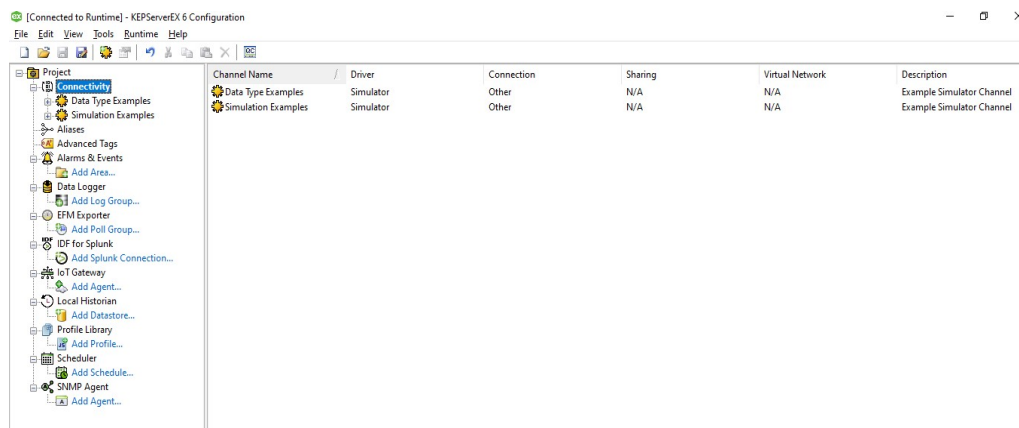**With S7-200 PLC**

1. INTRODUCTION

1.1 Purpose

This document describes the KepServer and S7-200 PLC configuration in WinCC Explorer V8.0.

1.2 Pre-Requisites.

- KepServer Software.

  -(\\192.168.1.200\Softwares\KepServer)

- Step-7 Micro/Win Software.

  -(\\ICP-BACKUP\Softwares\Siemens\Microwin ver4.0)

- WinCC Explorer.

  - (\\192.168.1.200\Softwares\Siemens\WinCC\WinCC_V8_0)

- If we are communicating over ethernet cable Ethernet module(CP-243-1) shall be installed.

- MPI/PPI cable.

1.3 KepServer Configuration

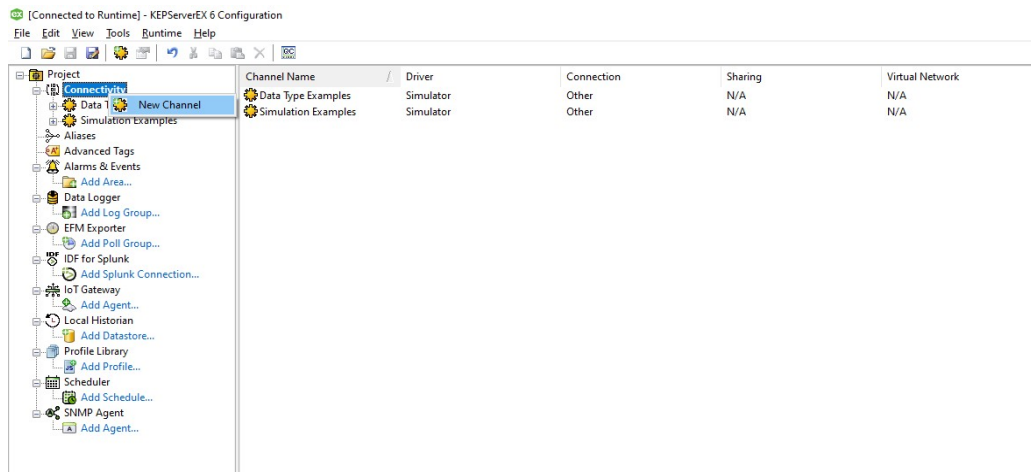Open the KepServer software, a window shown below will appear.

Right click on the Connectivity to add new channel.

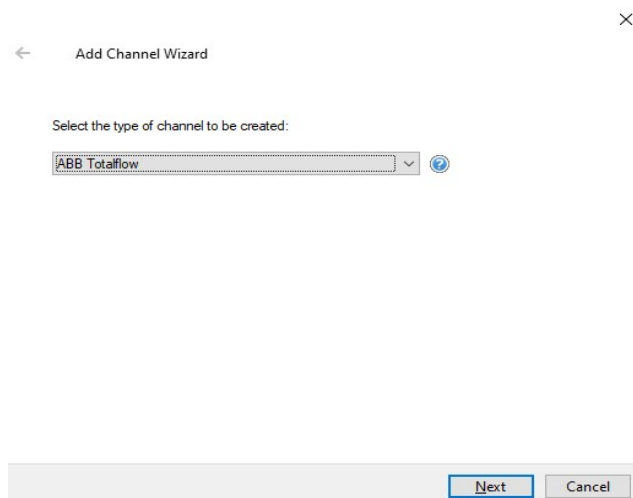From the add channel Wizard, select the type of channel to created.


Select Siemens TCP/IP Ethernet,click on NEXT.

←   Add Channel Wizard   ✕

Select the type of channel to be created:

Siemens TCP/IP Ethernet ⌄ ❓

Next   Cancel

Specify identity and click Next.

✕

Add Channel Wizard

Specify the identity of this object.

Name:

Channel1 ❓

Next   Cancel

Select the network adapter,click on Next.

click Next upto Finish section appears.

Following the completion of channel addition proceed further for the device configuration.

Right click on the Channel to add new device or select 'Click to add a device'.

Enter device name and click on Next.
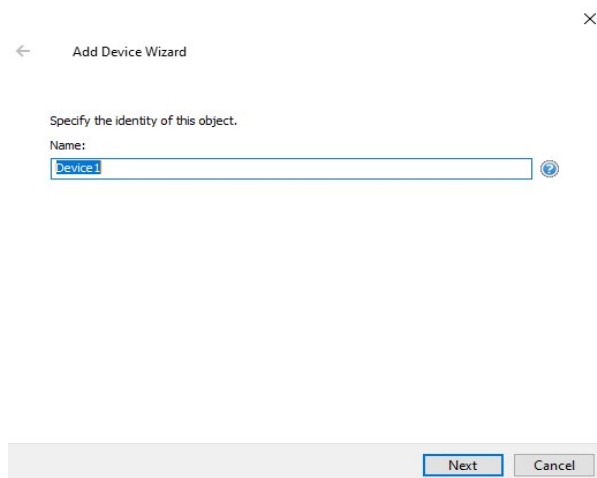
Select the device, click on Next.

×

Add Device Wizard

Select the specific type of device associated with this ID. Options depend on the type of communications in use.

Model:

S7-200

Next   Cancel

Enter device ID(IP address) of the device.

×

← Add Device Wizard

Specify the device's driver-specific station or node.

ID:

255.255.255.255

Next   Cancel

Set the TCP/IP port number.

Complete the configuration by clicking on Finish.

Tags can be imported in CSV format, right click on the device to import.

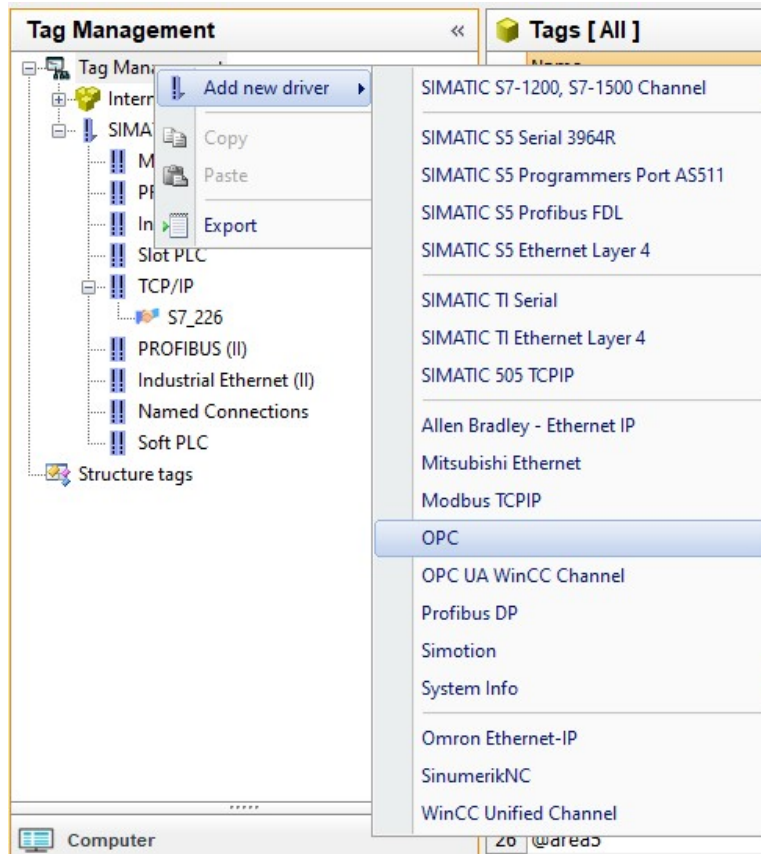Once the tag import is completed, click on the OPC Quick Client and select the device from list.
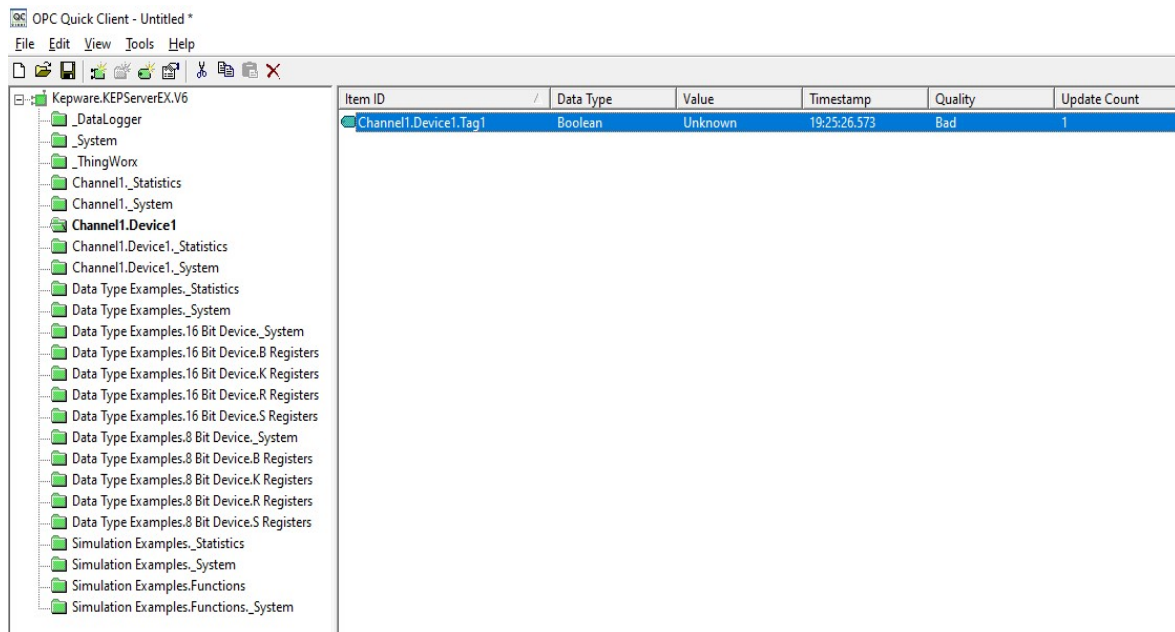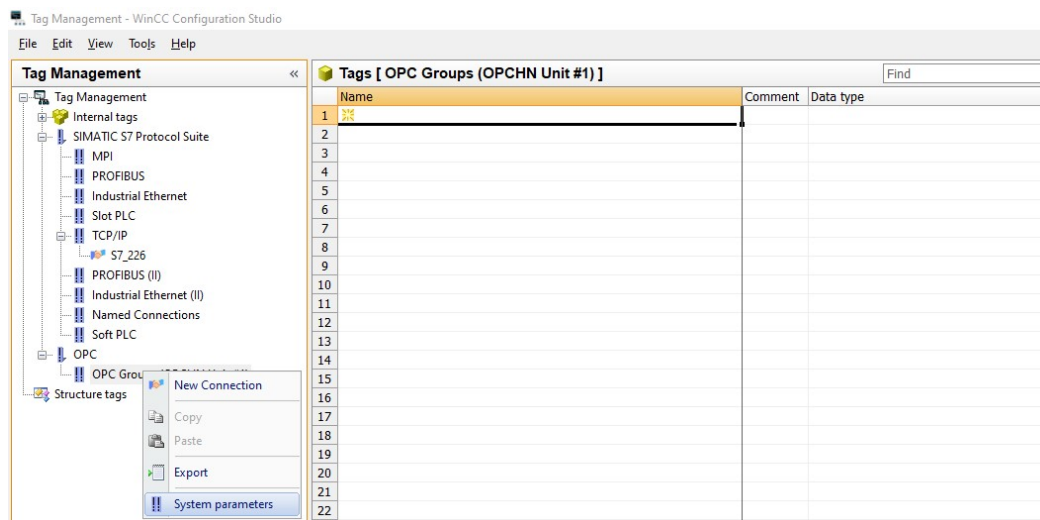

If the connection between the PLC and server is proper the quality of the tags will change to GOOD.
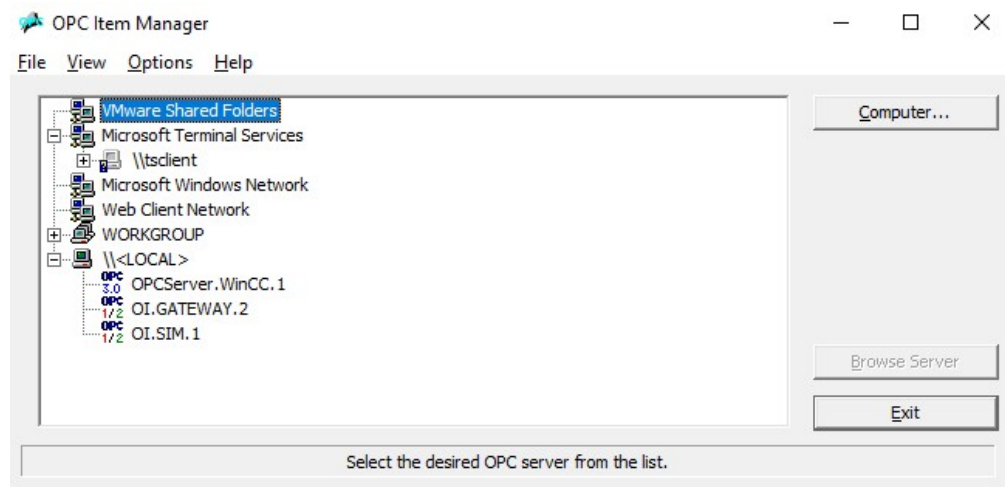
In the WinCC tag management add new OPC driver.

Right click on the OPC Group and select system parameters.

Select the server from the window shown below.

After selecting the server, click on Browse server to add tags.

1.4 Reference links

Refer the link for kepServer configuration via PPI cable.

- https://www.youtube.com/watch?v=-gfkG4LfsyA