SIEMENS

Online-Training - OPC UA mit SIMATIC Controllern (IK-OPCCTRL)

Short Description

OPC UA is an open standard for horizontal machine-to-machine communication (M2M) and vertical communication from machine to cloud. It is manufacturer- and platform-independent, supports extensive security mechanisms and can be optimally combined with PROFINET in a common Industrial Ethernet network. This training teaches you the basics of OPC UA and enables you to use OPC UA with SIMATIC Controllers.

Objectives

You can configure SIMATIC S7-1200 and S7-1500 Controllers as OPC UA servers and program OPC UA clients in SIMATIC S7-1500 Controllers. You can secure OPC UA communication with encryption and authentication and create simple server interfaces with TIA Portal. You will deepen your theoretical knowledge through numerous practice-oriented exercises in our virtual exercise environment Virtual Lab.

Target Group

- Automation engineers
- Programmers

Content

- Basics of OPC UA
- Configuring OPC UA servers
- Programming methods
- Securing OPC UA communication
- Modelling server interfaces with TIA Portal
- Programming OPC UA clients

Prerequisites

- Basic knowledge of networks
- Knowledge according to TIA-PRO2
- Basic knowledge of SCL
- Technical requirements

Note

Are you looking for a course that dives deep into the OPC UA specification and is not limited to controllers? Then take a look at our OPC UA System Course.

Type

Online-Training

Duration

2 days

Language

de

copyright by Siemens AG 2024