

Migrazione da SIMATIC WinCC Professional a SIMATIC WinCC Unified (TIA-UWCCUP)

Short Description

SIMATIC WinCC Unified is the new visualization system in the TIA Portal. The system convinces through the use of native web technologies, which are introduced to you in this course. You will also learn the high degree of openness through high-performance interfaces. Learn how to use WinCC Unified and the new Unified Comfort Panels and get a personal impression of the performance of new devices. In this course, the main functionalities between SIMATIC WinCC Professional and the new SIMATIC WinCC Unified environment will be compared, with the aim of speeding up learning of the new engineering platform. You will be provided with the necessary knowledge for the design and dynamization of graphic pages, the management of archives and messages and the creation of scripts.

Objectives

After attending the course, you can:

- Design TIA Portal faceplates and create simple dynamizations
- Efficient configuration through the use of faceplates (screen window technology)
- Create screen navigation (screen window technology)
- Configure alarms and messages
- Access S7 controllers
- Single user-, multi user- and multi-monitor systems
- Client/Server systems (web-based) and plant configurations
- Web-based remote operation and control
- OPC UA communication
- Database archives for large data volumes
- Technological plant hierarchy
- Distributed plant configurations
- Reporting

Target Group

Programmers
Commissioning engineers
Service personnel
Operators
Maintenance personnel

Content

- System overview
- Development environment configuration user interface
- Create a project and upload it to the PC station
- SIMATIC WinCC Unified client
- Creating pages and navigating between pages
- Use of system functions and their scheduling
- Use of faceplates
- User Management
- Configuration of data storage and alarms
- Using recipes
- Database storage
- Connectivity: S7 communication and OPC UA
- Technological hierarchy: object-oriented plant model
- Collaboration: setting of distributed configurations and sharing of plant data
- Report generation
- Plant Intelligence Options

The theoretical knowledge will be deepened with numerous practical exercises on a TIA system model. This consists of a SIMATIC WinCC Unified PC Runtime connected to a SIMATIC S7-1500 automation system and a conveyor model.

Prerequisites

TIA-WCCM or TIA-WCCS courses or equivalent basic knowledge of automation systems.

Note

This course is also available in Virtual Classroom mode: E-UWCCUP.

Type

Face-to-face training

Duration

3 days

Language

it

copyright by Siemens AG 2025