SIEMENS

SIMATIC WinCC Unified Advanced Course (TIA-UWCC3)

Short Description

In order to provide you with the best possible support and training in your personal learning environment (own office/home office), we have implemented selected courses as digital online trainings for you. We provide you with live theory lectures from our experts, which convey the course content described in the learning objectives in a practical and comprehensive manner, utilizing our virtual exercise environment for practical exercises. In our virtual classroom, our expert is also available to you at any time during your individual practical exercises for in-depth questions and technical discussions.
SIMATIC WinCC Unified as a visualization system in the TIA Portal. The system impresses with its use of native web technologies, which you will become acquainted with in this course. You will also learn about its high degree of openness thanks to high-performance interfaces. Learn how to use WinCC Unified and the new PC Runtime software and get a personal impression of the capabilities of the new system.

Objectives

The training is intended for participants who want to learn more about WinCC Unified in the SCADA environment. Building on the system course (TIA-UWCC1), the topics listed below are conveyed based on WinCC Unified PC Runtime.
Learn more interesting options and configuration possibilities of WinCC Unified:
• Apply connectivity with OPC UA
• Introduction to programming JavaScript for WinCC Unified
• Deepening of JavaScript knowledge (ScriptDebugging/TraceViewer)
• User Management Component - Possibilities and Use Cases
• Edge - Entry and application of apps
• Audit - Applications and Uses at WinCC Unified
• ProDiag - Machine and Plant Diagnostics with WinCC Unified
Advantages
• Training on the new HMI system, WinCC Unified, directly from the manufacturer
• Can-do is better than know-how. Upon completion of the course, you will have mastered WinCC Unified by performing numerous practical exercises
• Introduction to the new HTML5-based WinCC Unified. Get a personal impression of the performance

Combine your Learning Event with web-based training on our digital learning platform for industry and thus increase your personal learning success. On SITRAIN access you will find various additional trainings on HMI, as well as on other topics such as TIA Portal, PROFINET or Industrial Communication or Digitalization.

As part of your course booking, you will receive free trial to the digital learning platform SITRAIN access:

Click here for more information on SITRAIN access

You have access to over 270 web-based training courses 7 days before the start of the course. The test period ends automatically 14 days after the end of the course.
As an introduction to the digital learning platform, we recommend the following curriculum:

Automation Basic Curriculum

WinCC Unified Basics (TIA-UWCC1) Curriculum

Target Group

You are tasked with creating and/or editing HMI projects for the WinCC Unified PC Runtime.
This course expands on the skills you learned in the System Course and will provide you with a great deal of new information so that you can work confidently with WinCC Unified and WinCC Unified PC Runtime.
• Programmers
• Commissioning engineers
• Configuring engineers
• Maintenance personnel
• Repair personnel
• Service personnel
• Operators

Content

Product version: WinCC V19
• Connectivity – OPC UA
• JavaScript entry level
• JavaScript advanced (ScriptDebugging/TraceViewer)
• UserManagementComponent

• Edge
• Audit
• ProDiag

Prerequisites

• The prerequisite is attendance of the course Online-Training - SIMATIC WinCC Unified 1, System Course (TIA-UWCC1)) or equivalent knowledge.
Technical requirements

Type

Online-Training

Duration

3 days

Language

pt

copyright by Siemens AG 2026