

TIA University- TIA the Expressway Video Tutorial TIA Portal User Management Access Control

General Information

Event Code: TBD
Length: 1 hour each

Audience

These video tutorials are for Engineers and PLC Programmers requiring an introduction to the fundamental aspects of TIA Portal advanced features and optional software tools.

Profile

Participants for these video tutorials must have a licensed copy of TIA Portal V17 or newer.

Each video tutorial comprises of two primary elements, a video tutorial and a TIA Portal project file mixtank.zap1x

Participants will watch the video and follow the instructor to complete each training exercise. This event is virtual (no live hardware) PLC Sim integrated into the Totally Integrated Automation framework is used for completing the lab exercises.

Learning Objectives

Upon completion of this event, the student shall be able to:

- Learn how to implement User Management and Access Control (UMAC) within TIA Portal V17
- Learn how properly set up and manage UMAC workflow procedures
- Learn how to create project level security settings
- Learn how add local users and assign roles and access rights
- Learn how to test user roles

Exercise Topics

1. **Traditional PLC-based protection**
2. **Sample UMAC workflow**
 - a. Step 1 – Determine password policies
 - b. Step 2 – Define users
 - c. Step 3 – Define roles
3. **Project Level security settings**
 - a. Enabling project protection
 - b. Setting password policies
 - c. Adding local users
 - d. Adding local roles and assigning rights
 - e. Assigning roles to users
4. **Log on procedure for Project user**
5. **Test users and roles**