

AUTOSOL



EcoStruxure Geo SCADA Expert

Training Classes

November 2024

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GEO SCADA EXPERT 3-DAY BASIC COURSE

The 3-day basic course is designed to provide an introduction into the wide capabilities of the Schneider Electric Geo SCADA Expert software. The course covers basic architectures and the client-server relationship, scripting and automation, display creation and other introductory maintenance topics. This course is typically paired with the 2-day AUTOSOL ACM training course.

The agenda for this course typically follows the below guide, but time is allotted for some extra questions and troubleshooting. Please notify your salesperson before the week of training if you have specific topics or concerns you wish to cover.

- Day 1
 - Introduction
 - Server Configuration Utility
 - Server Status Utility
 - ViewX Interface
 - Client Configuration
 - Multi-Monitor Setup
 - Database Structure Setup
 - Creating a Mimic
 - OPC Connections
 - Adding and Configuring Points
 - Using Data on Mimics
 - Creating a Status Pane
 - Security and Users
 - Trending
 - Navigation within Mimics
 - Metadata
 - Mimic Scripting
- Day 2
 - Creating Smart Embeds
 - Creating Templates/Instances
 - Relative vs Non-Relative Referencing
 - Renaming Objects and the Impact
 - Indirect Parameters
 - Embedded Lists
 - Database Schema
 - Queries
 - Tables – Grids, Tables, Data Sets
 - Export/Import
 - WebX and Virtual ViewX
- Day 3
 - Alarm List
 - Alarm Redirections
 - Methods
 - Database Backups
 - Schedules
 - Logic
 - Linked Tables
 - Advanced Queries

GEO SCADA EXPERT 2-DAY ADVANCED COURSE

The 2-day advanced course is designed to provide a deeper view into the wide capabilities of the Schneider Electric Geo SCADA Expert software. The course covers advanced SQL aspects of Geo SCADA Expert, logic functions, automated procedures and maintenance, native drivers and more. **The agenda for this course is designed to be flexible to allow modification for the specific interests or requirements of the end user. Please work with your salesperson on your specific goals for this course so they may be met by our trainers.**

- SQL
 - Database schema – a deep dive in understanding
 - Querying the database, historic data, and events
 - Historical Views
 - SQL DML statements
 - Advanced SQL functions
- Scripting & Logic
 - Commonly used script functions
 - Editing text on a screen in run mode
 - Querying the database
 - Configuring properties
 - Building a form through script
 - Creating CSV exports
 - Export CSV through logic
 - Multi-Program logic sequences
- Tables – Extended
 - Inserting records through script and automation
 - Linked Tables
- Mimics
 - Building a dynamic faceplate
- Native Drivers
 - Setting up Advanced Modbus or other native RTU type drivers
 - Setting up ODBC queries and points
- Server Maintenance
 - Archiving vs Indexing
 - Performance Monitoring
 - Log Analysis
 - Handling Upgrades
- Miscellaneous
 - Installation Automation
 - Windows Update Compatibility