

Experion[®] Server and Station Installation and System Administration



Course Overview

Course number: EXP23

Course length: 9-5 days

Need to plan, install, and administer your Experion PKS System?

The course provides the concepts and strategies needed to install and administer the system. The course provides extensive hands-on exercises where participants will plan, install, configure, and administer the system. This applies to both LCN-Connected and non-LCN-Connected systems.

This is an **intensive** course. Class may not end until 5:30 each day (except the last Friday).

Course Benefits

Efficient planning and implementation of your Experion PKS System

- Conceptual understanding of the Windows and Network structures as applicable to the LCN-connected Experion PKS TPS System.
- Install the LCN-connected Experion PKS TPS System
- Application of the advanced features in Experion PKS System.
- Implement the Computers and Networks infrastructure

Course Delivery Options

- Instructor-based training (Phoenix & Houston Training Centers Only)

Course Preview

- [Preview Course # EXP23](#)

Who Should Take This Course?

EXPERION PKS System Engineers and Administrators

Experion System Installation and Administration tasks can impact the following job roles.

- **System Engineer or System Administrator** responsible for installing, configuring, and maintaining the Computers and Networks infrastructure

Prerequisite/Skill Requirements

Prerequisite Course(s)

- None

Highly Recommended Skills and/or Experience:

- Working knowledge of Server 2003 and XP System administration.
 - Active Directory Users and Computers, Permissions (ACLs), TCP/IP configuration, Site/Domain/OU infrastructure, etc.
- Familiarity with Network administration.
 - Switches, Routers, Cabling, etc.
- Familiarity with Experion Implementation.
 - Note: This can be obtained by taking the EXP02 course

Desirable Skills

- Plant, process, and controls knowledge.
- Working knowledge of LCN Engineering functions.

Course Topics

You will learn how to....

- Install and configure a Domain Controller
- Install and configure an Experion PKS Server
- Install and configure an Experion Console Station
- Use Configuration Studio to access system tools
- Configure Experion Server security
 - Operator-based, Station-based
 - Signon Manager
 - Password Management
- Modify Group Policy Objects
- Plan, install, and configure Fault Tolerant Ethernet (FTE)
- Plan, install, and configure Switches
- Install and configure System Management

Course Topics Continued

- Plan and install Windows and Experion Databases
 - SAM, AD, EMDB, ERDB, RTDB, QDB
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 - SAM, AD, EMDB, ERDB, RTDB, QDB
- Configure Users and Groups with different access requirements
 - Types of Users
 - Scope of Responsibility
 - Group assignment
- Configure Network Time Protocol (NTP) and time synchronization
- Start Experion PKS applications in a restricted Windows environment
- Configure Experion PKS Server redundancy
- Configure OPC Integrator and read data from a 3rd Party OPC server
- Configure Redirection Manager
- Configure Distributed Server Architecture
- Configure File Replication
- Install and Configure TPN Backup and Restore
- Install and Configure Experion Backup and Restore (EBR)
- Use System Analysis tools
- Use Experion System Status Display to monitor network equipment

Additional Training

To increase your knowledge and skills, there are additional courses available from Automation College.

For more information and registration, visit www.automationcollege.com.