Experion PKS: Advanced - Server and Station Installation and Administration

Course Overview
Course number: EXP-23
Course length: 9.5 days

Need to plan, install, and administer your Experion® Process Knowledge System (PKS)?
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.

Course Benefits
Efficient planning and implementation of your Experion PKS
- 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

Prerequisite/Skill Requirements
Prerequisite Course(s)
- None

Required Skills and/or Experience
- Working knowledge of Windows Server 2016 and Windows 10 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 EXP-02 or EXP-02-AT or EXP-02-VT course

Desirable Skills and/or Experience
- 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, Advanced Parameter Security, Asset Profile and Console change
  - Signon Manager
  - Password Management
- Modify Group Policy Objects
- Plan, install, and configure Fault Tolerant Ethernet (FTE)
- Plan, install, and configure Switches

Course Delivery Options
- In-Center Instructor-Led Training

Course Preview
- Preview Course # EXP23

Who Should Take This Course?
Experion PKS 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

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Course Topics Continued

- Install and configure System Management Plan and install Windows and Experion Databases
  - SAM, AD, EMDB, ERDB, RTDB, QDB, DAS, SRDB
- Configure Users and Groups with different access requirements
  - Types of Users
  - Scope of Responsibility
  - Group assignment
- Configure Embedded Controllers
- 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 with Standard and Advance Security options
- Configure File Replication
- Understand TPN-LCN Concepts
- Install and Configure TPN Backup and Restore
- Install and Configure Experion Backup and Restore (EBR)
- Use Installation Builder
- Use Diagnostic Studio
- Use Experion System Status Display to monitor network equipment
- Overview of application whitelisting

Additional Training

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

For more information and registration, visit www.honeywellprocess.com/en-US/training.