Experion PKS: Advanced - Server and Station (Non LCN-Connected) Installation and Administration

Course Overview

Course number: EXP-1014-VT
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 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 non-LCN-connected PKS System
- Install the non-LCN-connected Experion PKS System
- Application of the advanced features in Experion PKS System
- Implement the Computers and Networks infrastructure

Course Delivery Options

- Virtual Training (VT)
  IMPORTANT – Prior to registration for the e-learning courses (AT, RT, VILT, and VT), you must perform the User Readiness Test. Go to Asynchronous Training, Recorded Training, Virtual Instructor-Led Training, and Virtual Training Access Requirements to perform this test.

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

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-VT course

Desirable Skills and/or Experience

- Plant, process, and controls knowledge

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 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 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
- Install and Configure Experion Backup and Restore (EBR)
- 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.