

# Experion PKS: Fundamentals - Server Engineering and Configuration Implementation



## Course Overview

**Course number:** EXP-02-AT

**Course length:** 4.5 days (self-paced with 10 days to complete)

## Need to plan and implement your Experion® Process Knowledge System (PKS)?

This course provides participants the ability to perform the following tasks as applicable to the Experion PKS System:

- Plan the system. This includes the planning of the Server, Stations, and the Fault Tolerant Ethernet
- Configure the Server. This includes setting up the Enterprise Model, SCADA Points, Alarms, Alarm Groups, and Preformatted and Custom Reports
- Integrate Experion PKS to OPC servers
- Use Experion PKS data in other applications

The course is divided into two sections. The first section presents the basic concepts and strategies needed to develop guidelines for effective and consistent planning of the system.

The second section is an extensive hands-on workshop. Participants will build and configure the server. A final Project will summarize the learning.

## Course Benefits

Efficient Experion PKS System planning and implementation of your Server

- Conceptual understanding of the server to enable optimum utilization
- Design and configure the server for optimum data collection

## Course Delivery Options

- [Asynchronous Training](#) (AT)

**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 System Implementers

Experion System Engineering and configuration tasks can impact the following job roles. Other job roles performing these tasks could also participate.

- **Experion System or Application Engineer**  
Responsible for configuring the server, adding to or changing the server configuration

## Prerequisite/Skill Requirements

### Prerequisite Course(s)

- None

### Required Skills and/or Experience

- Working knowledge of Windows Server 2016 Standard 64 Bit and/or Windows 10 64 Bit

### Desirable Skills and/or Experience

- Plant, process, and Distributed Control System tag knowledge

## Course Topics

### You will learn how to...

- Recognize the role of the major hardware and software components and learn how data flows through the Experion PKS Server
- Plan the Experion PKS Server and the Fault Tolerant Ethernet
- Configure Flex, Console, and Console Extensions stations and Report printers
- Use the Configuration Studio for Server configuration
- Configure integration functionality
  - Integration to Honeywell TPS systems
  - Connection to OPC Servers
- Configure the Experion PKS Server for Process Control functionality such as:
  - Enterprise Model including Assets & Alarm Groups
  - SCADA Controllers, Channels, and Points

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**Course Topics continued...**

- Alarm Settings
- Alarm, Event, and Message Summaries
- Dynamic Alarm Suppression
- Alarm Tracker
- SCADA Point Algorithms
- History Archiving, Group and Trend Displays
- Point schedules, Alarm Paging, and Recipes
- Dynamic scanning
- Configure additional functionality such as:
  - Distributed System Architecture
  - System Alarm Suppression Mode
  - Data exchange with Microsoft Excel and Batch Reports
  - Building equipment
  - Electronic Flow Meter

**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](http://www.honeywellprocess.com/en-US/training).**