Course Overview

Course number: EXP-48
Course length: 4.5 days

Need to implement off process virtual Experion® Process Knowledge System (PKS) R3xx/R4xx/R500 system or on process R4xx/R500 system?

This course provides participants the ability to perform the following (Experion PKS off-process) / (on-process) virtualization system tasks:

- Overview of BladeCenter S solution
- Overview of Dell FX2 Solution
- Understand Honeywell topologies in virtual environment (with Essential and Premium platform hardware)
- Install and configure ESXi 6.0
- Install vSphere Client
- Configure Host and Virtual Network on ESXi Host
- Install and configure vCenter 6.0
- Add an ESXi host to the VMware Datacenter
- Configure virtual machines for installing Experion PKS
- Perform Virtual Machine Operations
- Configure vMotion to move running virtual machine from one ESXi to another ESXi host
- Use Templates and Clones in vCenter
- Overview of ESXi and vCenter maintenance tasks
- Perform backup and restore of virtual machines using EBR
- Understand the concept and utilization of vSphere HA and Fault Tolerance for Premium Platforms
- Understand the Installation and configuration of Experion nodes using ESM

The course presents the concepts and guidelines needed to implement (Experion PKS off-process) / (on-process) virtual system. Lab exercises will include installing and using ESXi server, vCenter server, and vMotion.

Course Benefits

Improve your knowledge and capabilities towards implementing (Experion PKS off-process) / (on-process) virtual Experion PKS R500, R4xx, R31x.x or R30x.x systems

- Identify various components involved in Experion PKS virtualization
- Identify Basics of Premium Platforms (BladeCenter S and Dell FX2) solution
- Gain the basic skills to operate ESXi server using vSphere client and vCenter
- Utilize tools to facilitate system support functions

Course Delivery Options

- In-Center Instructor-Led Training
- On-Site Instructor-Led Training

Who Should Take This Course?

Virtualization users and system administrators

Users of virtual Experion PKS and system administrators who are responsible for implementing (Experion PKS off-process) / (on-process) virtual Experion PKS R500, R4xx, R31x.x or R30x.x systems.

Prerequisite/Skill Requirements

Prerequisite Course(s)

- None

Required Skills and/or Experience

- EXP-48 does not cover core Experion PKS topics and knowledge of Experion PKS is expected

Desirable Skills and/or Experience

- Basic understanding of virtualization and hypervisor technology
- Understanding of types of virtualization; example: application, desktop, and platform virtualization
- Understanding of VMware ESXi platform concepts

Course Topics

- Overview of VMware virtualization
- Understand Honeywell topologies in virtual environment
- Overview of Premium Platforms (BladeCenter S and Dell FX2) solution
- Security Planning in a VMware Environment
Course Topics Continued

- Storage and Network Planning in a VMware Environment
- Hardware and software specifications for virtual system
- Install and configure ESXi 6.0
- Install vSphere Client
- Configure Host and Virtual Network on ESXi Host
- Install and configure vCenter 6.0
- Configure virtual machines and prepare for installing Experion PKS
- Perform Virtual Machine Operations
- Perform vMotion
- Use Templates and Clones in vCenter
- Perform backup and restore of virtual machines using EBR
- Understand the concept and utilization of vSphere HA and Fault Tolerance for Premium Platforms
- Understand the Installation and configuration of Experion nodes using ESM
- Overview of administration in virtual environment
- Overview of ESXi and vCenter maintenance tasks
- Install and configure VMware Workstation (Reference only)

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.