

E111

System 800xA

Virtualization with VMware® ESXi



The goal of this course is to understand the system structure and to learn the installation, configuration and maintenance of a virtualized infrastructure for System 800xA.

Course Type

This is an instructor-led course with interactive classroom discussions and associated lab exercises. Approximately 50% of the course is hands-on lab activities.

Participant profile

This training is targeted at system engineers, commissioning and maintenance personnel, service engineers and system integrators who need to setup or administer a virtual 800xA System.

Prerequisites

Students should possess the knowledge of System 800xA transferred in course T305. Experience in dealing with and handling of current Microsoft operating system is an advantage. Previous knowledge of VMware is advantageous, but not necessary.

Learning objectives

Upon completion of this course the participant will be able to

- Describe the advantages of virtualization for System 800xA
- Plan, install, configure and maintain a VMware® ESXi environment
- Create virtual networks, switches and port groups
- Convert physical machines to virtual VMware® ESXi machines

- Create new virtual machines
- Administer virtual machines, data stores, permissions, time synchronization and licensing for VMware® ESXi
- Develop and execute backup strategies for System 800xA under VMware® ESXi
- Plan, install, configure and maintain a VMware® vSphere environment

Topics

- Introduction, objectives and resources
- Various virtualization concepts
- Architecture of VMware® vSphere
- Server hardware and data storage
- Tools in and around VMware®
- Basic installation and management network configuration of a VMware® ESXi-Server, licensing
- Understanding virtual machine files
- Virtual networks adapters, switches and port groups
- Datastore administration
- Creating and installing new virtual machines
- Introduce the vCenter Server architecture, deploy and configure vCenter Server
- Use VMware® vSphere Web Client
- Manage VMware®vCenter Server inventory objects
- Performance monitoring and migration of virtual machines to other VMware® ESXi-Server hosts
- High availability concepts

Duration
4 days

Agenda			
Day 1	Day 2	Day 3	Day 4
Course overview	VMware® ESXi-Server installation	VMware® ESXi administration	Creating datastores for VMware® vCenter
System 800xA architecture under VMware® ESXi	Creating Datastores for VMware® ESXi-Server	Backup strategies	High availability
Desktop virtualization	VMware® Converter	VMware® vCenter installation	
	Virtual Machine installation		

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