

E112

System 800xA Virtualization with Microsoft Hyper-V



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 based on Hyper-V.

Course Type

This is an instructor-led Expert Workshop with short presentations and demonstrations, extended exercises, hands-on sessions and discussion.

Participant profile

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

Prerequisites

Students should possess the knowledge of System 800xA transferred in course T305.

Experience in dealing with and handling the current Microsoft operating system is an advantage. Previous knowledge of Hyper-V 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
- Describe the Microsoft Hyper-V architecture

- Carry out a basic installation for a Microsoft Hyper-V Server as well as configure the management network
- Configure and maintain a Microsoft Hyper-V environment
- Use Microsoft Hyper-V Manager
- Create virtual networks and switches
- Create new virtual machines
- Convert machines to virtual Microsoft Hyper-V machines
- Describe different types of virtual machine files
- Administrate virtual machines, storage, permissions, time synchronization and licensing for Microsoft Hyper-V
- Develop and execute backup strategies for System 800xA under Microsoft Hyper-V
- Manage Windows Admin Center (WAC) and System Center Virtual Machine Manager (SCVMM)

Duration

3 Days

Day 1	Day 2	Day 3
Workshop Overview and Introduction	Microsoft Hyper-V Converter Tools	Windows Admin Center (WAC)
System 800xA architecture under Microsoft Hyper-V	Virtual Machine installation	System Center Virtual Machine Manager (SCVMM) Installation + Administration
Microsoft Hyper-V installation	Microsoft Hyper-V administration, storage, networks and services	Tools + Troubleshooting
Creating Storage for Microsoft Hyper-V Server	Backup strategies	Comparison ESXi to Hyper-V

Additional topics can be covered if agreed upon in advance. Do not hesitate to contact us, we would be happy to make you an offer.

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