

IBM PowerVM: Implementing Virtualization

Course code AN30G

Objectives

- List the reasons for implementing virtual I/O
- Describe virtual I/O devices
- Describe the function of the Virtual I/O Server
- Configure virtual SCSI devices that are backed by physical volumes, logical volumes, optical media devices, and file-backed devices
- Create the Optical Media Repository, load a CD image, and use it to install a new AIX partition
- Describe how to configure virtual Fibre channel devices using NPIV technology
- Configure Ethernet link aggregation for load balancing and backup channel in the VIOS
- Configure Shared Ethernet adapter failover and load sharing
- Configure vNIC failover - Theory only
- Perform Virtual I/O Server maintenance operations

Agenda

Day 1

(00:30) Welcome

(01:00) Unit 1 - Virtual I/O Server Configuration

(00:45) Exercise 1 - Virtual I/O Server Configuration

(02:30) Unit 2 - Virtual SCSI Configuration

Day 2

(01:45) Exercise 2 - Dual VIOS Virtual SCSI Configuration

(00:45) Unit 3 - File-backed Storage Devices

(01:15) Exercise 3 - Configuring File-backed Optical Devices

(01:30) Unit 4 - Virtual Fibre Channel Storage Devices

(00:45) Exercise 4 - Dual VIOS Virtual Fibre Channel Configuration

Day 3

(02:00) Unit 5 - Virtual Ethernet Networking

(01:00) Exercise 5- Virtual Ethernet Networking

(03:00) Unit 6 - Shared Ethernet Adapter Configurations

Day 4

(02:00) Exercise 6 - Dual VIOS Shared Ethernet Adapter Configurations

(01:30) Unit 7 - Virtual Network Interface Controllers (vNICs) and vNIC Failover - Theory only

Day 5

(01:45) Unit 8 - VIOS Maintenance

(00:30) Exercise 8 - VIOS Maintenance

(00:15) Wrap up / Evaluations