



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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# IBM PowerVM: Implementing Virtualization

CODE:	LENGTH:	PRICE:
AN30G	40 Hours (5 days)	€3,900.00

## Description

As IBM Power continues to evolve, it is essential for IT professionals to stay up-to-date with the latest innovations. Our IBM PowerVM course is specifically designed to provide you with a comprehensive understanding of processor virtualization concepts, Virtual I/O Server configurations, and virtual devices such as virtual Ethernet, virtual SCSI, and virtual Fibre Channel adapters. ♦ Through a combination of lectures and hands-on labs, this course will equip you with the knowledge and skills necessary to become a successful IT technology professional. Whether you prefer face-to-face or online learning, our experienced instructors will guide you every step of the way as you explore basic and advanced configurations of the Virtual I/O Server and its clients, as well as various availability options. ♦

Expand your knowledge about PowerVM features that were introduced in *Power Systems for AIX I: LPAR Configuration and Planning (AN11G)*.

This course provides lectures and hands on labs in an instructor lead course environment, either in a face-to-face classroom or in a live virtual classroom environment (ILO - Instructor Led Online).

## 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 ♦
- Perform Virtual I/O Server maintenance operations

## Audience

This advanced course is appropriate for System Administrators, Technical Support Personnel, and Business Partners responsible for implementing LPARs on IBM Power Systems with AIX servers.

## Prerequisites

You must have advanced system administration experience with AIX 7. This prerequisite can be met by attending one of the following courses:

*Power Systems for AIX II: Implementation and Administration (AN12G)* ♦

*Power Systems for AIX III: Advanced Administration and Problem Determination (AN15G)* ♦

*AIX Jumpstart for UNIX Professionals (AN14G)* Alternatively, you must have equivalent AIX and LPAR skills.

General TCP/IP knowledge is strongly recommended.

You are also expected to have logical partition administration skills on Power Systems servers, which can be obtained by attending *Power Systems for AIX I: LPAR Configuration and Planning (AN11G)*.

## Programme

- Welcome ♦

- Unit 1 - Virtual I/O Server Configuration🔗
- Exercise 1 - Virtual I/O Server Configuration🔗Unit 2 - Virtual SCSI Configuration🔗
- Exercise 2 - Dual VIOS Virtual SCSI Configuration🔗
- Unit 3 - File-backed Storage Devices🔗
- Exercise 3 - Configuring File-backed Optical Devices🔗
- Unit 4 - Virtual Fibre Channel Storage Devices🔗
- Exercise 4 - Dual VIOS Virtual Fibre Channel Configuration🔗
- Unit 5 - Virtual Ethernet Networking🔗
- Exercise 5- Virtual Ethernet Networking🔗
- Unit 6 - Shared Ethernet Adapter Configurations🔗
- Exercise 6 - Dual VIOS Shared Ethernet Adapter Configurations🔗
- Unit 7 - Virtual Network Interface Controllers (vNICs) and vNIC Failover🔗
- Exercise 7 - Virtual Network Interface Controllers (vNICs) and vNIC Failover🔗
- Unit 8 - VIOS Maintenance🔗
- Exercise 8 - VIOS Maintenance🔗
- Wrap up / Evaluations

### Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
24 Jun 2024	Virtual Classroom (CET / UTC+1)	CEDT	English	Instructor Led Online		€3,900.00
23 Sep 2024	Virtual Classroom (CET / UTC+1)	CEDT	English	Instructor Led Online		€3,900.00

### Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)