

Power Systems for AIX - Virtualization I: Implementing Virtualization

Duración: 5 Días Código del Curso: AN30G

Temario:

This course provides an overview of the PowerVM edition's features on POWER6 processor-based systems. It explains the new features and benefits of virtualization including the processor virtualization, the Integrated Virtual Ethernet, the Virtual I/O Server, and virtual devices, such as the virtual Ethernet and virtual SCSI adapters. Basic and advanced configurations of the Virtual I/O Server and its clients are discussed including various availability options.

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

Learning Journeys or Training Paths that reference this course: **IBM Power AIXPower AIX AdministratorPower AIX Administrators: VirtualizationIBM Power systems for AIX virtualization**

Dirigido a:

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.

Objetivos:

- Discuss the advantages or value of PowerVM edition's features
- Define micro-partitioning and shared processor LPARs
- Discuss the benefits of simultaneous multithreading
- Discuss and configure the Integrated Virtual Ethernet (IVE)
- Install and configure the Virtual I/O Server
- Configure virtual network devices, such as virtual Ethernet and shared Ethernet adapters
- Configure virtual SCSI and virtual Fibre Channel storage adapters
- Configure virtual SCSI target devices on a virtual SCSI adapter
- Define file-backed storage pools and file-backed virtual optical devices
- Identify single points of failure in virtualized environments
- Configure multiple VIO servers for high availability
- Configure advanced virtual networking options
- Configure the shared Ethernet adapter failover feature
- Configure advanced virtual SCSI options
- Configure MPIO in a VIO server's client partition
- Manage the service events, configure call home, add, exchange FRUs, and discuss FSP failover
- Perform PowerVM (VIOs) Maintenance

Prerequisites:

You must have advanced system administration experience with AIX 6 or 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. This

prerequisite can be met by attending TCP/IP for AIX Administrators (AN21G).

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).

Siguientes cursos recomendados:

Recommended follow-on courses are:

- Power Systems for AIX - Virtualization II: Advanced PowerVM and Performance (AN31G)
- Power Systems for AIX - Virtualization III: Implementing Shared Storage Pools (AN32G)
- Implementing PowerVM Live Partition Mobility (AN33G)

Contenido:

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|--|---|--|
| ■ Unit 1: Introduction to partitioning | ■ Unit 5: Virtual I/O Server and Shared Ethernet Adapter | ■ Unit 9: Virtual Fibre Channel devices |
| ■ Exercise 1: Power Systems documentation overview | ■ Exercise 5: Virtual I/O Server configuration | ■ Exercise 9: Virtual Fibre Channel adapter configuration |
| ■ Unit 2: HMC V8 enhancements | ■ Unit 6: Virtual SCSI devices | ■ Unit 10: HMC Service Management |
| ■ Exercise 2: HMC enhanced interface | ■ Exercise 6: Client partition configuration | ■ Exercise 10: Manage service events |
| ■ Unit 3: Processor virtualization | ■ Unit 7: Virtual network configuration with dual VIOS | ■ Unit 11: PowerVM advanced systems maintenance |
| ■ Exercise 3: Processor virtualization configuration | ■ Exercise 7: SEA failover setup | ■ Exercise 11: PowerVM system maintenance |
| ■ Unit 4: Virtual Ethernet | ■ Unit 8: Virtual SCSI configurations with dual VIOS | ■ Exercise 12: (Optional) File-backed virtual SCSI devices |
| ■ Exercise 4: Virtual Ethernet adapter configuration | ■ Exercise 8: Dual VIO server configuration with MPIO in the client partition | |

Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

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