

IBM PowerVM: Implementing Virtualization

Cursusduur: 5 Dagen **Cursuscode: AN30G** **Trainingsmethode: Virtual Learning**

Beschrijving:

As IBM Power continues to evolve, it is essential for IT professionals to stay up-to-date with the latest innovations. AN30G 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.
Updated 6/6/2025

Doelgroep:

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.

Doelstelling:

- After following this course, participants will be able to:
- 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

Vereiste kennis en vaardigheden:

Participant 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, participant must have equivalent AIX and LPAR skills.

General TCP/IP knowledge is strongly recommended.

Participants 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)*.

Examens en certificering

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Vervolg cursussen:

- AN31G Power Systems for AIX - Virtualization II: Advanced PowerVM and Performance
 - AN32G Power Systems for AIX - Virtualization III: Implementing Shared Storage Pools
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Cursusinhoud:

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| <ul style="list-style-type: none">■ 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 | <ul style="list-style-type: none">■ 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 | <ul style="list-style-type: none">■ 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 |
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Extra informatie:

Official course book shared with participants.

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

info@globalknowledge.nl

www.globalknowledge.com/nl-nl/

Iepenhoeve 5, 3438 MR Nieuwegein