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Power Systems for AIX - PowerVM I Implementing Virtualization

Varighed: 5 Days   Kursus Kode: AN30G

Beskrivelse:

This course provides an overview of the PowerVM edition's features on POWER 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.
Students are also given additional details about PowerVM features that were introduced in Power Systems for AIX I: LPAR Configuration and Planning (AN11D1DE).

Målgruppe:

This intermediate course is intended for system administrators, technical support personnel, and business partners responsible for implementing LPARs on IBM system p servers.

Agenda:

- 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 devices, such as virtual Ethernet, shared Ethernet, and virtual SCSI disks

- 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

Forudsætninger:

Students must have advanced system administration experience with AIX V5.3, 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 (AN12D1DE)
- Power Systems for AIX II: Advanced Administration and Problem Determination (AN15D1DE)
- AIX Jumpstart for UNIX Professionals (AN14D1DE)
Alternatively, students 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 (AN21D1DE).

Students are also expected to have logical partition administration skills on POWER processor-based systems, which can be obtained by attending Power Systems for AIX I: LPAR

Configuration and Planning (AN11D1DE).

Indhold:

Day 1

- Welcome
- Unit 1: Introduction to partitioning
- Exercise 1: Power Systems documentation overview
- Unit 2: Processor virtualization
- Exercise 2: Processor virtualization configuration

Day 2

- Unit 3: Integrated Virtual Ethernet
- Exercise 3. Integrated Virtual Ethernet configuration
- Unit 4: Virtual Ethernet
- Exercise 4: Virtual Ethernet adapter configuration
- Unit 5, Topic 1: Virtual I/O Server and virtual devices
- Exercise 5, Topic 1: Virtual I/O Server and virtual devices

Day 3

- Unit 5, Topic 2: Virtual I/O server and client partition configuration
- Exercise 5, Topic 2: Virtual I/O server and client partition configuration
- Unit 6: Virtual network configuration with dual VIOS
- Exercise 6: SEA failover setup

Day 4

- Unit 7: Virtual SCSI configurations with dual VIOS
- Exercise 7: Dual VIO server configuration with MPIO in the client partition
- Unit 8: N_Port ID virtualization
- Exercise 8: Virtual Fibre Channel adapter configuration
- Unit 9: Migration from physical to virtual storage

Day 5

- Unit 10: HMC Service Management
- Exercise 9: Manage service events
- Unit 11: PowerVM advanced system maintenance
- Exercise 10: PowerVM system maintenance
- Exercise 11: (Optional) File-backed virtual disk and virtual media repository configuration
- Wrap up and evaluations

Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

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