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Power Systems for AIX - PowerVM I Implementing Virtualization

Varighed: 5 Days   Kursus Kode: AN30G   Leveringsmetode: Company event (Firmakursus)

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).

Firmakursus

Med et firmakursus bliver jeres it-kompetenceudvikling målrettet jeres behov. Det betyder, at vi hjælper med at finde og sammensætte det helt rigtige kursusindhold og den helt rigtige form. Kurset kan afvikles hos os eller kunden, standard eller virtuelt.

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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