Power Systems for AIX I: LPAR Configuration and Planning

Duration: 3 Days **Course Code: AN11G** **Delivery Method: Virtual Learning**

Overview:

Learn how to perform system administration in a Power Systems environment. Learn about the features of PowerVM Editions and how to configure and manage LPARs running AIX V7.1 using the Hardware Management Console (HMC).

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

This course is appropriate for system administrators, technical support individuals, and IBM business partners who implement LPARs on IBM Power Systems.

Objectives:

- After this course participants should be able to:
- Describe important concepts that are associated with managing POWER8 processor-based systems, such as logical partitioning, dynamic partitioning, virtual devices, virtual processors, virtual consoles, virtual local area network (VLAN), and shared processors
- Describe the features of the PowerVM editions
- Describe the functions provided by the HMC
- Configure and manage the HMC, including users and permissions, software, start and shutdown, remote access features, network configuration, security features, HMC backup and restore options, and the HMC reload procedure
- Describe the rules that are associated with allocating resources, including dedicated processors, processing units for Micro-Partitioning, memory, logical host Ethernet adapter, and physical I/O for AIX and Linux partitions
- Configure and manage LPARs by using the HMC graphical user interface (GUI) and HMC commands
- Interpret physical and AIX location codes and relate to the key hardware components
- Power on and power off the Power Systems server
- Use the HMC to back up and restore partition data
- Perform dynamic LPAR operations (DLPAR)

Prerequisites:

This introductory course does not require any logical partitioning experience.

General TCP/IP knowledge is strongly recommended. This prerequisite can be met by attending TCP/IP for AIX System Administrators (AN21G).

Follow-on-Courses:

- AN12G Mastering IBM AIX: Implementation and Administration (Power Systems for AIX II)
- AN15G Power Systems for AIX III: Advanced Administration and Problem Determination
- AN30G IBM PowerVM: Implementing Virtualization
- AN31G IBM PowerVM II: Advanced Management and Performance
- AN33G Implementing PowerVM Live Partition Mobility
- AN51G Power Systems for AIX IV: Performance Management
- AN52G Advanced Tools for AIX Performance Analysis
- AN61G PowerHA SystemMirror 7 Planning, Implementation, Customization and Basic Administration
- AN62G PowerHA SystemMirror 7 Advanced Configurations
- AN6AG Implementing VM Recovery Manager - HA

Content:

Day 1

- Welcome
- Unit 1: Introduction to partitioning
- Exercise 1: Introduction to partitioning
- Unit 2: Hardware system overview
- Exercise 2: System hardware components
- Unit 3: Hardware Management Console

Day 2

- Unit 3: Hardware Management Console (continued)
- Exercise 3: Exploring the HMC V8 interface
- Unit 4: Hardware Management Console maintenance
- Exercise 4: HMC and managed system maintenance
- Unit 5: System power management
- Exercise 5: System power management
- Unit 6: Planning and configuring logical partitions

Day 3

- Unit 6: Planning and configuring logical partitions (continued)
- Exercise 6: Configuring logical partitions
- Unit 7: Partition operations
- Exercise 7: Partition operations
- Unit 8: Dynamic LPAR operations
- Exercise 8: Dynamic LPAR operations

Additional Information:

Official course book provided to participants

Further Information:

For More information, or to book your course, please call us on +1 (800) 268 7737

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