
Power Systems for AIX I: LPAR Configuration and Planning

Duration: 3 Days **Course Code: AN11G** **Delivery Method: Class Connect**

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).

Class-Connect™ HD

This is live hands-on interactive learning where you can attend a course from different training centres. This premium experience uses HD quality audio and video that connects the classrooms over a high capacity managed network to ensure a 'real time' experience. The instructor will be presenting from one location and students attending from other centres are able to interact with the instructor and other delegates using video and voice conferencing.

Target Audience:

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

Objectives:

- 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)
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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).

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:

This is available as a 3-day Instructor Led Class
OR

Instructor-Led Virtual Class:

- *** The 3 course days are spread over 5 afternoon sessions
- *** Session runs from 1:30pm to 5:30pm UK Time – for 5 days

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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