

# POWER SYSTEMS FOR AIX I: LPAR CONFIGURATION AND PLANNING

Course Code: 9191

Learn how to perform system administration in a Power Systems environment.

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 or Linux using the Hardware Management Console (HMC).

## What You'll Learn

Students will learn to,

- Describe important concepts that are associated with managing POWER 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, physical and virtual I/O for AIX and Linux partitions
- Configure and manage LPARs by using the HMC graphical user interface (GUI) and HMC commands
- Power on and power off the Power Systems server
- Use the HMC to back up and restore partition data
- Perform dynamic LPAR operations (DLPAR)

## Who Needs to Attend

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

## Prerequisites

This introductory course does not require any logical partitioning experience.

General TCP/IP knowledge is strongly recommended.

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CLASSROOM LIVE

\$3,705 CAD

3 Day

## Classroom Live Outline

### 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

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VIRTUAL CLASSROOM LIVE

\$3,705 CAD

3 Day

## Virtual Classroom Live Outline

### 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
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### 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

Jun 9 - 11, 2025 | 9:30 AM - 5:30 PM EST

Jul 28 - 30, 2025 | 9:30 AM - 5:30 PM EST

Sep 22 - 24, 2025 | 9:30 AM - 5:30 PM EST

Nov 12 - 14, 2025 | 9:30 AM - 5:30 PM EST



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PRIVATE GROUP TRAINING

3 Day

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