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## Power Systems for AIX I: LPAR Configuration and Planning

**Duration: 3 Days**    **Course Code: AN11G**    **Delivery Method: Company Event**

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### 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).

#### Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

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### Target Audience:

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

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### 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).

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## 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

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## 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

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## Further Information:

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

[info@globalknowledge.be](mailto:info@globalknowledge.be)

[www.globalknowledge.com/en-be/](http://www.globalknowledge.com/en-be/)