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

**Duration: 3 Days**    **Course Code: AN11G**

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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).

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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 030 - 60 89 444

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

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