

# Power Systems for AIX I: LPAR Configuration and Planning

Kód kurzu: AN11G

Learn the skills needed to become an effective administrator on IBM's POWER6-based systems that support Logical Partitioning (LPAR). Learn about the features of PowerVM Editions (Advanced POWER Virtualization - APV) and how to configure and manage LPARs running AIX V6.1 using the Hardware Management Console (HMC).

## Pro koho je kurz určen

This is an intermediate course for architects, system integrators, security administrators, network administrators, software engineers, technical support individuals, and IBM Business Partners who implement LPARs on IBM Power Systems p.

## Co Vás naučíme

- Describe important concepts associated with managing POWER6 processor-based systems, such as Logical partitioning (LPAR), dynamic partitioning, virtual devices, virtual processors, virtual consoles, virtual Local Area Network (VLAN), and shared processors
- Describe the features of the PowerVM Editions.
- Use the System Planning Tool to plan an LPAR configuration
- Describe the functions of the HMC Configure and manage the HMC, including users and permissions, software, startup and shutdown, remote access features, network configuration, security features, HMC backup and restore options, and the HMC reload procedure
- Describe the rules associated with allocating resources, including dedicated processors, processing units for Micro-Partitions, memory, physical I/O for AIX and Linux partitions
- Configure and manage LPARs 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 POWER6 system
- Use the HMC to back up and restore partition data

## Požadované vstupní znalosti

This course does not require any logical partitioning experience.

General TCP/IP knowledge is strongly recommended. This prerequisite may be met by attending:

- *AIX Basics (AU131)*
- **or**
- *(AT131)*

## Studijní materiály

Studijní materiál IBM.

## Osnova kurzu

### Day 1

- Unit 1: Introduction to partitioning
- Exercise 1
- Unit 2: Hardware system overview
- Exercise 2
- Unit 3: Hardware Management Console

### Day 2

- Unit 3: Hardware Management Console (cont.)
- Exercise 3
- Unit 4: System Planning Tool
- Exercise 4

#### GOPAS Praha

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

#### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

#### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



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- Unit 5: HMC and managed system maintenance
- Exercise 5
- Unit 6: System power management
- Exercise 6
- Unit 7: Planning and configuring logical partitions

## Day 3

- Unit 7: Planning and configuring logical partitions (cont.)
- Exercise 7
- Unit 8: Partition operations
- Exercise 8
- Unit 9: Dynamic resource allocation
- Exercise 9

### GOPAS Praha

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
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Nové sady 996/25  
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[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



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