



Essentials of PowerVM  
Information

<b>Length:</b>	16.0 Hours
<b>Ref:</b>	LX024G
<b>Delivery method:</b>	ClassroomInstructor Led Online
<b>Price:</b>	AUD

Overview

This course introduces basic partitioning concepts and operations for IBM Power System servers. Topics include the resource configuration rules for partitions, how to create and manage partitions, use partition and system profiles, perform dynamic resource changes, and configure I/O devices such as physical adapters and SR-IOV logical ports.

Students will practice using new features of the HMC V8 Enhanced+ interface in the hands-on exercises such as creating partitions from templates, using the properties panels for dynamic changes, and pinning HMC panels.

This course provides lectures and hands on labs in an instructor lead course environment, either in a face-to-face classroom or in a live virtual classroom environment (ILO - Instructor Led Online).

If you are enrolling in a Self Paced Virtual Classroom or Web Based Training course, before you enroll, please review the Self-Paced Virtual Classes and Web-Based Training Classes on our Terms and Conditions page, as well as the system requirements, to ensure that your system meets the minimum requirements for this course. <http://www.ibm.com/training/terms>

Public

The audiences for this training include anyone who needs to create and manage partitions on IBM Power System servers, such as Linux or AIX technical support and consultants, IBM technical sales individuals, Linux or AIX system administrators, or system architects and engineers.

Prerequisites

Students would benefit from general knowledge of IBM Power Systems servers and partitions; however no specific prerequisite skills are needed

Objective

After completing this course, students should be able to:

- Describe partition processor, memory, and I/O configuration options
- Create partitions using a partition template
- Modify the partition configuration using the partition profile
- Perform partition operations such as activating and shutting down
- Dynamically add and remove resources in a partition
- Configure and use I/O adapters and SR-IOV logical ports
- Use HMC commands to perform partition operations

## Topics

### DAY 1

#### Unit 1 - Introduction to PowerVM and logical partitioning

Exercise 1 - Introduction to PowerVM and logical partitioning

#### Unit 2 - Using the HMC to manage servers and partitions

Exercise 2 - Using the HMC to manage servers and partitions

### Day 2

#### Unit 3 - Planning and configuring logical partitions

Exercise 3 - Planning and configuring logical partitions

#### Unit 4 - Configuring I/O resources

Exercise 4 - Configuring I/O resources

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