

IBM Power Virtualization Fundamentals

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Course Number: AN11G

Duration: 3 days

Overview

Course Description

Learn how to perform system administration in an IBM Power environment. Learn about the features of PowerVM Editions and how to configure and manage LPARs running AIX V7.3 or Linux using the Hardware Management Console (HMC).

Skills Gained

- Analyze key concepts related to managing IBM Power processor-based systems, including logical partitioning, dynamic partitioning, virtual processors, virtual consoles, and shared processors
- Evaluate the functions and capabilities provided by the Hardware Management Console (HMC)
- Administer the HMC environment, including user access and permissions, software maintenance, startup and shutdown, remote access, network configuration, security settings, backup and restore options, and reload procedures

- Configure and manage logical partitions (LPARs) by using both the HMC graphical user interface and HMC command-line tools
- Execute power operations for IBM Power servers by using the HMC
- Manage partition backup and restore operations through the HMC
- Perform and interpret dynamic LPAR operations in a PowerVM environment

Who Can Benefit

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.

Abstract

IBM Education Advantage Program Eligibility:

- Yes - IBM Education Pack - online account

Audience

Course Details

Day 1

- (00:30) Welcome
- (02:00) Unit 1: Introduction to PowerVM logical partitioning
- (01:00) Exercise 1: Introduction to partitioning
- (02:00) Unit 2: Using the HMC to manage servers and partitions
- (01:15) Exercise 2: HMC operations

Day 2

- (02:00) Unit 3: HMC maintenance
- (01:15) Exercise 3: HMC and managed system maintenance
- (01:00) Unit 4: Basic LPAR operations
- (01:00) Exercise 4: Basic LPAR operations
- (01:30) Unit 5: Power processor and memory virtualization

Day 3

- (01:00) Exercise 5: Power Processor and memory management
- (01:30) Unit 6: Power I/O resources
- (01:30) Exercise 6: Configuring Power I/O resources
- (01:15) Unit 7: Logical partition management
- (01:00) Exercise 7: Logical partition management

Objectives

Follow-on Courses

Browse the suggested follow-on courses below and continue your training journey. We offer training in various learning formats, from instructor-led to virtual, so you can choose what works best for you. Get started by selecting a course to learn more.

System p/AIX - IBM PowerVM: Implementing Virtualization

[View Details](#)

System p/AIX - IBM PowerVM II: Advanced Management and Performance

[View Details](#)