Power Systems for AIX II: AIX Implementation and Administration

Kód kurzu: AN12G

Learn to install, customize, and administer the AIX operating system in a multiuser POWER (System p) partitioned environment. This course is based on AIX 6.1 running on a Power6 system managed by HMC version 7. This course is also appropriate for prior releases of AIX and has a high practical content.

Pro koho je kurz určen

This is an intermediate course for anyone with system administrative duties implementing and managing an AIX operating system in a multiuser POWER (System p) partitioned environment

Co Vás naučíme

- Install the AIX operating system, filesets, and RedHat Package Manager (RPM) packages
- Perform system startup and shutdown
- Discuss and use system management tools such as System Management Interface Tool (SMIT) and IBM systems director console for AIX
- Manage physical and logical devices
- Discuss the purpose of the logical volume manager
- Perform logical volume and file system management
- Create and manage user and group accounts
- Perform and restore system backups
- Utilize administrative subsystems, including cron to schedule system tasks, and security to implement customized access of files and directories
- Configure TCP/IP networking
- Implement Workload Partitions (WPAR)

Požadované vstupní znalosti

You should be familiar with:

- basic information technology (IT) concepts and the role of an operating system. 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)*

You should already be able to:

- Log in to an AIX system and set a user password
- Execute basic AIX commands
- Manage files and directories
- Use the vi editor
- Use redirection, pipes, and tees
- Use the utilities find and grep
- Use the command and variable substitution
- Set and change Korn shell variables
- Write simple shell scripts
- Use a graphic Common Desktop Environment (CDE) interface

These skills can be acquired by taking *AIX Basics (AU131)* *or* *(AT131)* or through equivalent AIX/UNIX knowledge.
In addition, it would be helpful (but not mandatory) that you are familiar with partitioning concepts and technology as taught in *Power Virtualization I: LPAR Planning and Configuration (AN110)* or *(AX110)*.

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Power Systems for AIX II: AIX Implementation and Administration

Studijní materiály

Studijní materiál IBM

Osnova kurzu

Day 1

- Unit 1: Introduction to IBM POWER systems, AIX and system administration
- Exercise 1
- Unit 2: AIX system management tools
- Exercise 2
- Unit 3: System startup and shutdown
- Exercise 3
- Unit 4: AIX installation
- Exercise 4

Day 2

- Unit 5: AIX software installation and maintenance
- Exercise 5
- Unit 6: System configuration and devices
- Exercise 6
- Unit 7: System storage overview
- Exercise 7
- Unit 8: Working with the Logical Volume Manager
- Exercise 8

Day 3

- Unit 9: File systems administration
- Exercise 9
- Unit 10: Paging space
- Exercise 10
- Unit 11: Backup and restore
- Exercise 11

Day 4

- Unit 12: Security and user administration
- Exercise 12
- Unit 13: Scheduling
- Exercise 13
- Unit 14: TCP/IP networking

Day 5

- Exercise 14
- Unit 15: Introduction to workload partitions
- Exercise 15

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