Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Power Systems for AIX II AIX Implementation and Administration

CODE:	LENGTH:	PRICE:
AN12G	40 Hours (5 days)	$4,000.00

Description

Learn to install, customize, and administer the AIX operating system in a multiuser Power Systems partitioned environment. The course is based on AIX 7.2 running on a Power Systems server managed by Hardware Management Console and provides practical discussions that are appropriate to earlier AIX releases.

Objectives

- 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)
- 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
- Configure and conduct Live Kernel Updates on a running AIX LPAR

Audience

This intermediate course is intended for system administrators or anyone implementing and managing an AIX operating system in a multiuser Power Systems partitioned environment.

Prerequisites

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

These skills can be acquired by attending *AIX Basics (AN10G)* **or** through equivalent AIX **or** UNIX knowledge. Also, it would be helpful (but not mandatory) if students were familiar with partitioning concepts **and** technology taught in *Power Systems for AIX I: LPAR Configuration and Planning (AN11G)*.

Programme

Day 1

- Welcome
- Unit 1: Introduction to IBM Power Systems, AIX, and system administration
- Exercise 1: Introduction to IBM Power Systems, AIX, and system administration
- Unit 2: AIX system management tools
- Exercise 2: Using system management tools in AIX
- Unit 3: System startup and shutdown
- Exercise 3: System startup and shutdown
- Unit 4: AIX installation
- Exercise 4: AIX installation

Day 2

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

Day 3

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

Day 4

- Unit 12: Security and user administration: Part one
- Exercise 12: Security and user administration: Part one
- Unit 13: Security and user administration: Part two
- Exercise 13: Security and user administration: Part two
- Unit 14: Scheduling and time
- Exercise 14: Scheduling
- Unit 15: TCP/IP networking

Day 5

- Unit 15: TCP/IP networking (continued)
- Exercise 15: TCP/IP networking
- Unit 16: Introduction to Workload Partitions
- Exercise 16: Workload Partitions

Session Dates

On request. Please Contact Us

Additional Information

This training is also available as onsite training. Please contact us to find out more.