Mastering IBM AIX: Implementation and Administration

Code:	AN12G
Length:	5 days
URL:	View Online

Learn to install, customize, and administer the AIX operating system in a multiuser IBM Power server partitioned environment. The course is based on AIX 7.3 running on a IBM Power server managed by Hardware Management Console and provides practical discussions that are appropriate to earlier AIX releases.

Skills Gained

- 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 Updates on a running AIX LPAR

Who Can Benefit

This intermediate course is intended for system administrators or anyone implementing and managing an AIX operating system in a multiuser Power 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 (AN10D1DG)* **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)* .

Course Details

Course Outline

- **Day 1**
- (00:15) Welcome
- (00:50) Unit 1: AIX system management tools
- (0:45) Exercise 1: Using SMIT
- (01:00) Unit 2: Device Management
- (0:30) Exercise 2: Device management
- (03:00) Unit 3: The Logical Volume Manager
- 00:45) Exercise 3: The Logical Volume Manager
- **Day 2**
- (01:45) Unit 4: File system management
- (01:15) Exercise 4: File system management
- (00:30) Unit 5: Paging space
- (00:15) Exercise 5: Paging space
- (02:00) Unit 6: User administration
- **Day 3**
- (01:00) Exercise 6: User administration
- (00:30) Unit 7: Scheduling
- (00:25) Exercise 7: Scheduling
- (01:30) Unit 8: Backup and recovery
- (01:45) Exercise 8: Backup and recovery
- **Day 4**
- (01:30) Unit 9: Startup and shutdown
- (00:45) Exercise 9: Startup and shutdown

- (02:00) Unit 10: AIX and software installation
- (02:00) Exercise 10: AIX and software installation
- **Day 5**
- (01:00) Unit 11: AIX installation options
- (01:00) Exercise 11: AIX installation options
- (00:45) Unit 12: TCP/IP implementation
- (01:00) Exercise 12: TCP/IP implementation

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