



# IBM Power Systems for AIX II AIX Implementation and Administration

Course ID #: 0370-400-AN12G-W

Hours: 35

## Course Content

### Course Description:

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.

### Course 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 Updates on a running AIX LPAR

### Prerequisites:

- 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



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## Target Audience:

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

## Topics:

### Lesson 1:

- Welcome
- AIX system management tools
- Exercise 1: Using SMIT
- Device Management
- Exercise 2: Device management
- The Logical Volume Manager
- Exercise 3: The Logical Volume Manager

### Lesson 2:

- File system management
- Exercise 4: File system management
- Paging space
- Exercise 5: Paging space
- User administration

### Lesson 3:

- Exercise 6: User administration
- Scheduling
- Exercise 7: Scheduling
- Backup and recovery
- Exercise 8: Backup and recovery

### Lesson 4:

- Startup and shutdown
- Exercise 9: Startup and shutdown
- AIX and software installation
- Exercise 10: AIX and software installation

### Lesson 5:

- AIX installation options
- Exercise 11: AIX installation options
- TCP/IP implementation
- Exercise 12: TCP/IP implementation

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## NASBA Information

**Level:** Intermediate

**Attendance Requirement:** To be awarded the full credit hours, you must sign in and attend the entire course.

**Fields:** Computer Software & Applications

**CPEs:** 39

### **Policies: Course Registration, Cancellation, Refund and Complaint Resolution**

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