



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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# Mastering IBM AIX: Implementation and Administration

CODE:	LENGTH:	PRICE:
AN12G	40 Hours (5 days)	£3,250.00

## 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.

## 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

## Audience

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

## Training Development

Roadmaps that reference this course are:

- [IBM Smart Analytics System - System Administrator](#)
- [AIX Users and System Administration](#)
- [PureData System for Operational Analytics - System Administrator](#)

## 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)*.

## Programme

- **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

## Session Dates

On request. Please [Contact Us](#)

## Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)