

## AIX Basics Fundamentals v7.2

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### Course Summary

#### Description

This course teaches the basic working environment of an IBM AIX system. It introduces commonly required operations that can be performed by entering commands interactively in a command terminal, along with functions available in the Common Desktop Environment (CDE). This course is taught for the following IBM AIX platforms: POWER4+, all AIX operating system versions.

#### Objectives

After taking this course, students will be able to use Korn Shell techniques and commands to maintain collections of files, create files using interactive editor utilities, create and execute basic command procedures, communicate with other users, and tailor the interactive environment to meet their needs. Environment control using the CDE graphical utilities will also be shown.

#### Topics

- Understanding the User Environment
- Getting Started with the Command Language
- Managing Files
- Creating and Editing Text Files: Part 1
- Creating and Editing Text Files: Part 2
- Improving the User Interface
- Shell Script Procedures
- Print and Batch Mechanisms
- Basic Archiving Techniques

#### Prerequisite

This course is considered to be the basic IBM AIX course. Experience with any (other) interactive system is helpful.

#### Duration

Three Days

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### Course Outline

- I. **Understanding the User Environment**
  - A. Unix / AIX Software Overview
  - B. Process Concepts
  - C. The Common Desktop Environment GUI
- II. **Getting Started with the Command Language**
  - A. Logging Into an AIX System
  - B. Graphically through the CDE
  - C. Non-graphically thru telnet or ssh
  - D. Shell Syntax Rules
  - E. Command Line Editing
  - F. Obtaining help using man and CDE helpview
  - G. Korn shell history control
  - H. Basic Network Operations
- III. **Managing Files**
  - A. File Specification Syntax
  - B. Device Specifications
  - C. Directory Specifications
  - D. Using the CDE dfile manager
  - E. Regular Expressions and Special Characters
  - F. AIX Commands to Manipulate Files
  - G. CDE utilities to manipulate files
  - H. File Protection Mechanisms
- IV. **Creating and Editing Text Files: Part 1**
  - A. Using GUI-based editors (dtpad)
  - B. vi Editor
  - C. ex Editor (commands within vi)
- V. **Creating and Editing Text Files: Part 2**
  - A. Advanced Features of the vi Editor
  - B. abbreviations
  - C. mapping keys
  - D. alternative editors: vim nedit
- VI. **Improving the User Interface**
  - A. Saving History Commands
  - B. Creating Command Aliases
  - C. Redirection of Input and Output
  - D. Using Hard and Symbolic Links
  - E. Process Control Commands
- VII. **Shell Script Procedures**
  - A. Rules for Creating Procedures
  - B. The .profile Procedure
  - C. The .kshrc Procedure
- VIII. **Print and Batch Mechanisms**
  - A. The lpr and lp Commands and Qualifiers
  - B. Using the CDE print manager
  - C. The at Command and Qualifiers
- IX. **Basic Archiving Techniques**
  - A. The tar Command and Options
  - B. Compressing tar archives with gzip