Fundamentals of HP-UX

Course Summary

Description

This course teaches the basic working environment of an HP-UX system. It introduces commonly required operations that can be performed by entering commands interactively in a command terminal, along with features in the Common Desktop (CDE) graphical environment. This course supports the following platforms: HP-UX (V11i v1, v2, v3)

Objectives

At the end of 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

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

Prerequisites

This course is considered to be the basic HP-UX course. Experience with any (other) interactive system is helpful.

Duration

Three days

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Course Outline

I. Understanding the User Environment
- A. HP-UX Software Overview
- B. Process Concepts
- C. The Common Desktop Environment

II. Getting Started with the Command Language
- A. Logging Into an HP-UX System
- B. Graphically through the CDE / ssh tunnel
- C. Non-graphically thru telnet or ssh
- D. Shell Syntax Rules
- E. Command Line Editing
- F. Obtaining help using man, CDE helpview
- G. Using the write and talk Utilities
- H. Basic Network Operations

III. Managing Files
- A. File Specification Syntax
- B. Device Specifications
- C. Directory Specifications
- D. Using the CDE dtfile file manager
- E. Regular Expressions and Special Characters
- F. UNIX 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 (CDE))
- 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

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 Procedures
- C. Print and Batch Mechanisms
- D. The lp Commands and Options
- E. Using the CDE print manager
- F. The at Command and Options

VIII. Basic Archiving Techniques
- A. The tar Command and Options
- B. Compressing tar archives with gzip

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