Linux Introduction

Duration: 3 Days   Course Code: LI   Delivery Method: Company Event

Overview:

This Linux Operating System training course introduces the delegate to the main concepts of the LINUX Operating System. The most commonly used commands and utilities are described in detail as are the command line wildcard and redirection facilities.
The course discusses the mechanisms by which a user acquires a login environment and the main features of the Bash shell are introduced.

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Target Audience:

Anyone who needs to understand and use the LINUX Operating System.

Objectives:

- To provide the skills needed to work productively in the LINUX environment.

Prerequisites:

There are no formal pre-requisites for this Linux Introduction training course,although an understanding of and exposure to information technology and an understanding of operating systems is required.

Follow-on-Courses:
- Linux Shell Programming (LSP)
- Linux System Administration (LPI & CompTIA) (LSA)
- Oracle SQL (OSP)
- TCP/IP Networking (TN)

Content:

Linux Introduction Training Course   Course Contents - DAY 1

Course Introduction

- Administration and Course Materials
- Course Structure and Agenda
- Delegate and Trainer Introductions

Session 1: INTRODUCTION TO THE LINUX OPERATING SYSTEM

- A brief history of Linux and UNIX
- The Linux kernel
- The Linux file system
- Getting started navigating the file system
- The file system structure
- Directories and files
- Pathnames
- Navigating the file system
- Exercise: Logging on to the system
- Exercise: Navigating the file system

Session 2: BASIC COMMANDS

- Command line syntax
- Basic file handling commands
- Basic Directory handling commands
- Filename wildcard characters
- Exercise: Manipulating files and directories

Session 3: REDIRECTION AND PIPES

- Input redirection
- Output redirection
- Pipes
- Exercise: Using redirection and pipe facilities   Linux Introduction Training Course   Course Contents - DAY 2

Session 4: INTRODUCTION TO THE vi EDITOR

- Overview of the vi editor
- Basic functions
- Switching to input mode
- Other useful commands
- Exercises: Using the vi editor

Session 5: SEARCHING AND REPLACING TEXT

- Searching and replacing text using the vi editor
- Using regular expressions (regex)
- Using sed for search and replace
- Searching for text with grep,egrep and fgrep
- Exercises: Searching and Replacing Text

Session 6: RECALLING AND EDITING COMMANDS

- Overview
- The bash shell
- The korn shell
- Exercises: Recall and Edit Commands

Session 7: FILE PERMISSIONS AND ACCESS CONTROL

- Users and user groups
- File access permissions
- Changing file attributes
- Switching users and user groups
- Linking files
- Exercise: Setting and access permissions   Linux Introduction Training Course   Course Contents - DAY 3

Session 8: FILTERING TEXT

- Overview
- The cut command
- An introduction to awk
- The nl command
- Exercises: Filtering Text

Session 9: PROCESSES

- What is a process?
- Monitoring processes
- Killing processes
- Background processes
- Job Control
- Grouping commands
- Exercise: Monitoring and controlling processes

Session 10: THE USER ENVIRONMENT

- Customising the .profile or .bash_profile
- Customising the .kshrc or .bashrc
- Exercise: Setting up an environment

Session 11: MORE BASIC COMMANDS

- The find command
- Using xargs command
- The locate command
- The df command
- The cut command
- The sort command
- Finding duplicate content
- The pinky command
- Exercise: More Basic Commands

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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