UNIX Introduction

Category: Infrastructure & IT Operations | **Vendor:** Various

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This Unix Operating System training course introduces the delegate to the main concepts of the UNIX Operating System. The most commonly used unix commands and utilities are described in detail as are the command line wildcard and redirection facilities. The mechanisms by which a user acquires a login environment are discussed and the main features of the Korn/Posix/Bash Shells are introduced.

About This Course

This Unix Operating System training course introduces the delegate to the main concepts of the UNIX Operating System. The most commonly used unix commands and utilities are described in detail as are the command line wildcard and redirection facilities. The mechanisms by which a user acquires a login environment are discussed and the main features of the Korn/Posix/Bash Shells are introduced.

Who Should Attend

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

Prerequisites & Entry Requirements

General Prerequisites:

There are no formal pre-requisites for the UNIX Introduction course, although an understanding of and exposure to information technology is advantageous.

Experience of IT and an understanding of operating systems are required.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

- Creating, copying, renaming, moving and deleting files and directories
- Using the shell's redirection and pipe facilities
- Editing text files using the vi editor
- Setting and changing access permissions on files
- Monitoring and controlling their own processes
- Using the basic file and text searching utilities
- Customising their own login environment

Detailed Course Outline

Course Contents - DAY 1

Course Introduction

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

Session 1: INTRODUCTION TO THE UNIX OPERATING SYSTEM

- A brief history of UNIX
- The UNIX kernel
- The UNIX 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

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

- Exercise: Using more advanced vi features

Session 5: SEARCHING AND REPLACING TEXT

- Replacing text

- Using the vi editor

- Using sed for search and replace

- Searching for text with grep

- 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

Course Contents - DAY 3

Session 8: PROCESSES

- What is a process?

- Monitoring processes

- Killing processes

- Background processes

- Job Control

- Grouping commands

- Exercise: Monitoring and controlling processes

Session 9: THE USER ENVIRONMENT

- Customising the .profile or .bash_profile

- Customising the .kshrc or .bashrc

- Exercise: Setting up an environment

Session 10: MORE BASIC COMMANDS

- The find command

- The cut command

- The sort command

- The finger command

- Exercise: Using file handling commands

Skills You Will Learn:

- Creating, copying, renaming, moving and deleting files and directories
- Using the shell's redirection and pipe facilities
- Editing text files using the vi editor
- Setting and changing access permissions on files
- Monitoring and controlling their own processes
- Using the basic file and text searching utilities
- Customising their own login environment

Frequently Asked Questions

Q: What delivery options are available for UNIX Introduction?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 3-day UNIX Introduction course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the UNIX Introduction training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for UNIX Introduction?

Yes, we provide corporate training, dedicated training, and closed classes for UNIX Introduction. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: UNIX Introduction, UNIX, UI

Q: Why choose Nexus Human for UNIX Introduction?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your UNIX Introduction training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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