

Unix Training

Objective

After completing this course, delegates will have:

- A broad understanding of the Unix operating system
- Administer and manage Unix operating systems in your business
- Used shell scripts to complete administrative tasks
- Knowledge of its options and capabilities
- The ability to use the command line and other utilities

Details

Duration: 2 Days

Who is this course for

Ideal for those looking to gain an understanding of the UNIX operating system.

Course Content

Introduction to Unix

- What is Unix and why?
- Logging in and passwords
- Remote access using putty
- How to use a command line
- Finding help with man

The Unix file system

- Basic commands
- Listing and changing directories
- Moving, copying, deleting and linking files
- Dates and calendars

Files

- File ownership and security
- Finding and comparing files
- Creating and removing directories

Pipes, redirections and tricks

- Input, output and error streams
- Pipes in Unix
- Some utilities: sort, cat and tail
- Searching with grep
- Sed and awk
- Regular expressions

An Introduction to vi

- Why use vi?
- Opening and saving files
- Edit and Insert modes
- Simple commands in vi

Other utilities

- Telnet
- FTP
- Finger
- Reading mail from the command line

Process Management

- Using ps and top
- Background processes
- Killing Bad Processes

Basic Administration

- Managing users and groups
- Init and shutdown
- Cron
- What can go wrong?

Using a shell

- What is a shell?
- Choosing a shell
- Environment variables

Introduction to Shell programming

- Scripting sequences of commands
- Variables and command-line arguments
- Control structures - if and loops

Setting up Linux

- Installation
- Desktop on Linux
- Where next?