

# Course overview:

## UNIX User Introduction

(C777eng)



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### Overview and objectives

This 2-day course covers the competencies and skills identified as key to intending UNIX users. The course aims are to give participants sufficient skills to allow them to run applications in a UNIX environment and the associated procedures this requires, such as organizing, copying, moving and deleting files. Providing hands-on experience, on completion of the course the participants will be able to: understand the concepts underlying UNIX and the benefits offered; be able to log on and off the system and run their chosen applications; be able to manage their files; and be able to use a variety of commands, tools and utilities.

### Who should attend?

Recent, new or intending UNIX environment users.

### Course prerequisites

Familiarity with basic computing concepts is desirable. Knowledge of another operating system would be an advantage but not essential.

#### Introduction

- The History & Features of UNIX

#### The Structure of UNIX

- The UNIX System • The Shell • Users • The UNIX File System

#### Accessing the System

- Logging On • The Login Process • Exiting from the System

#### The UNIX Command Line

- Command Line Syntax • Multi-Processing • passwd • man - online manual

#### Directory and File Commands

- pwd - print working directory • cd - change directory • ls - list • Wild Cards - File Name Generation • mkdir - make directory • mvdir - move directory • rmdir - remove directory • cp - copy • ln - Link • mv - move • rm - remove • chmod - change mode of access • unmask - user mask • chown - change owner • chgrp - change group • File Manipulation • wc - word count • grep - global regular expression printer • sort • cut • find

#### The vi Editor

- Starting vi • Exiting vi • Modes of Operation • Command Mode • The Screen Commands • Searching

#### vi Edit Mode

- Text Insertion • Text Deletion • Text Modification • Text Movement • Named Buffers • Special Commands

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