UNIX Fundamentals

Duration: 5 Days   Course Code: UF   Delivery Method: Company Event

Overview:

This Unix Operating System and Shell Programming training course introduces the delegate to the main concepts of the UNIX Operating System. The most commonly used unix commands 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. It is designed to give delegates practical experience in developing and writing shellscripts. Most of the built-in unix shell commands are introduced together with the main program control structures.

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:

For the UNIX Fundamentals course,there are no formal pre-requisites,although an understanding of and exposure to information technology is advantageous.
Programmers,administrators and support personnel who need to understand the UNIX Operating system,existing shellscripts,automate procedures and write their own utilities.
Some programming experience may also prove advantageous.

Objectives:

- To provide the skills needed to work productively in a UNIX environment to develop and customise shell programs.

Prerequisites:

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

Follow-on-Courses:
- UNIX System Administration (USA)
- Oracle SQL (OSP)
- UNIX Advanced Shell Programming Tools (UT)
- TCP/IP Networking (TN)

Content:

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
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- Assessing variable values
- Using quotes
- Delimiting variable names
- Echo control sequences
- Exercise: Add variables to a script

Session 15: INTEGER ARITHMETIC

- Using the expr command
- Using the (( )) notation
- Exercise: Add integer arithmetic to a shell script

Session 16: HANDLING RUN TIME DATA

- The read command
- Command line arguments
- Exercise: Writing a generic shell script
- Exercise: Writing an interactive shell script

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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