

LINUX Bash Shell Programming

5 days

Delegates:

Personnel who need to know the Basic and advanced features of the LINUX Bash Shell programming language to be able to carry out their daily work.

Objectives:

On completion of the course the delegate will have a good working knowledge of how to manipulate the Shell as an environment interface and how to fully utilise the Shell programming language. In addition, the delegate will be able to make effective use of a wide range of standard LINUX programming and development tools

Topics Covered:

- Shell Environment
- Customisation of the Environment
- Shell Program Structure
- Shell Program Execution
- Shell Variables
- Positional Parameters
- Special Shell Variables
- Shell Programming Statements
- Conditional Statements
- Looping Constructs
- Interrupt Handling
- Debugging Tools
- Backup and Restore Utilities
- Background Job Scheduling
- Commands for Comparing Files
- Head and Tail Utilities
- Cut and Paste Utilities
- Sorting Files
- Character Translation
- Regular Expression Notation
- The grep Family of Commands
- Text Editing with sed
- Programming with gawk
- Overview of make

Pre-Requisites Courses:

- LINUX Introduction

Follow-On Courses:

- LINUX System Administration (LPI)
- SQL