LX1

Linux for Power Users

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LX1 - Version: 2.1

🕐 4 days Course

Description:

The course will acquaint users with the basic concepts of the operating system. This includes a wide range of topics, covering the many aspects of working with Linux, which a user needs to fully utilize the system's power and versatility. Hands-on lab time will take the participant step by step through the maze of Linux commands and interface.

Intended audience:

Course is intended for users, programmers and network administrators

Prerequisites:

Knowledge of general operating system concepts

Objectives:

Use basic and advanced commands
Customize working environment
Recognize deferent aspects of the Linux operating system

Topics:

Welcome To Linux

- The beginning
- What is Linux
- Getting Linux
- Linux Distributions

Introducing Linux Structure

- Architecture.
- File system.
- Processes.

Login

- Logging into the system.
- The password file.
- Command structure.
- Using the manuals.

Editor

- The VI editor - Overview

The File System

- File types.
- Directory structure.
- mount and df commands.
- File names

FS commands and Permissions

- File system's commands
- Links
- Permissions

The bash

- The shell.
- I/O Redirection.
- Pipes.
- History.
- Aliases.
- Jobs control.

Working with bash

- Variables
- Command Substitution
- Arithmetic Expressions
- typeset

Communication in the Linux World

- Introduction to Communication.
- NFS.
- Accessing remote machines - telnet, rlogin, rsh, ftp, putty.
- Communication utilities.

Filter and Process Text

- Regular expression.
- grep.
- cut, tr.
- sort, uniq.
- find.

Utilities

- Time utilities.
- Compilation.
- File comparison commands.
- Miscellaneous utilities.