Course Code: LX010G

Course Title: Linux Basics

Description:

This course is designed to teach the basics of the Linux environment. Class activities include accessing a system, navigating the directory hierarchy, using the vi editor, using common commands, tools, and scripting concepts.

Objectives:

On Completion of this course, the student should be able to:

- Log in to an Linux system and set a user password
- Use Linux online documentation
- Use the vi editor
- Manage Linux files and directories
- Describe the purpose of the shell
- Execute common Linux commands and manage Linux processes
- Customize the working environment
- Use common Linux utilities
- Write simple shell scripts

Prerequisites:

Students attending this course are expected to have a basic understanding of an IT environment.

Duration:

24 Hrs

Topics:

Unit 1: Getting started with Linux

  Exercise 1: Using the system

Unit 2: The vi editor

  Exercise 2: The vi editor

Unit 3: Files and directories

  Exercise 3: Files and directories

Unit 4: Using files

  Exercise 4: Using files

Unit 5: File permissions

    Exercise 5: File permissions

Unit 6: Shell basics

    Exercise 6: Shell basics

Unit 7: Using shell variables

    Exercise 7: Using shell variables

Unit 8: Processes

    Exercise 8: Processes

Unit 9: Customizing the user environment

    Exercise 9: Customizing the user environment

Unit 10: Linux utilities

    Exercise 10: Linux utilities

Audience:

This course requires no experience with Linux or Power systems. General knowledge of computers is expected, though no intermediate or advanced skills are required.