Introduction to Linux (TTLX2103)

Price: 2295

Duration: 3 days

Delivery Methods: Virtual

Overview

Introduction to Linux is a 3-day, hands-on course that provides you with a solid level foundation in essential skills for using any version of Linux. This course focuses on core useful skills that ordinary you might use day to day when working with Linux.

Audience Profile

This is an introductory-level course, designed for anyone wanting to learn Linux. Attendees should be comfortable working with computers and the command line, but no other specific skills are required to attend.

At Course Completion

This skills-combines expert instructor-led discussions with hands-on labs designed to provide you practical experience working with Linux to complete tasks and functions users usually encounter on the job. The lessons and exercises always emphasize current techniques, best practices and standards. Working in a hands-on lab environment guided by our expert instructor, you'll explore:

Basic Linux Operations
File System Basics
Wildcards
File and Directory Permissions
Working with files
Executing Programs
Using find
Filters and other useful commands

The vi editor

Customizing the user environment

Networking/Communications

Backups and archiving

Outline

1. The Design of Linux

· A brief history of Linux

· The Linux design philosophy

· Linux architecture

2. Basic Operations

· Logging in and out

· The general form of a Linux command

· Common commands

· Using man pages

· Essential commands

3. File System Basics

· The Linux directory structure

· Standard directories

· Relative and absolute pathnames

· Legal file names

· Navigating the filesystem

4. Wildcards

· Matching one character

· Matching many characters

· Shortcuts

· Wildcard gotchas

· Wildcards and ls

5. File and Directory Permissions

· Viewing permissions

· File permissions

· Directory permissions

· Setting defaults

· Changing permissions

· Keeping data secure

6. Working with files

· Viewing contents

· Identifying file contents

· Copying and moving

· Deleting

· Using symbolic links

7. Executing Programs

· Redirecting STDOUT

· Redirecting STDERR

· Redirecting STDIN

· Creating pipelines

· Processes attributes

· Listing processes

· Killing processes

· Foreground & background processes

8. Using find

· Syntax

· Finding by name, type, or size

· Combining tests

· Finding by size, owner, or timestamps

· Using xargs with find

· Other find options

9. Filters and other useful commands

· What is a filter?

· cat: a generic filter

· head and tail

· grep

· sort

· wc

· other interesting filters

10. The vi editor

· Why vi?

· Basic vi operations: navigating, adding, deleting

· Advanced operations: buffer management, search and replace, configuration options

11. Customizing the user environment

· About shells

· Shell startup files

· Shell variables

· Search path

· Aliases

· Simple shell scripts

12. Networking/Communications

· Reading and sending mail

· Remote login

· Remote file transfer

· Other network utilities (ping, finger, etc)

13. Backups and archiving

· Checking space used or available

· Creating tar archives

· Viewing and extracting files from archives

· Compression utilities

· Working with windows

Prerequisites

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Course Schedule

Date	Time	Price	Options
05/26/2026	**09:00 AM - 05:00 PM CT**	**2,295.00**	**Buy Now Enroll**

Date	Time	Price	Options
07/20/2026	09:00 AM - 05:00 PM CT	2,295.00	Buy Now Enroll

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