Intermediate Linux (TTLX2104)

Category: Infrastructure & IT Operations | **Vendor:** Trivera Tech

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Intermediate Linux: Shell, Bash, Text Manipulation, Multitasking & More®is a two-day course designed to provide you with hands-on experience using standard Linux commands and utilities used for day-to-day tasks including file manipulation, program execution and control, and effective use of the shell and desktop environments. ®Throughout the course you'll explore key concepts to Linux core functionality, while learning the system's most commonly used commands.

About This Course

Intermediate Linux: Shell, Bash, Text Manipulation, Multitasking & More is a two-day course designed to provide you with hands-on experience using standard Linux commands and utilities used for day-to-day tasks including file manipulation, program execution and control, and effective use of the shell and desktop environments. Throughout the course you'll explore key concepts to Linux core functionality, while learning the system's most commonly used commands. You'll also learn the Bourne shell, Bash shell and Korn shell programming techniques you'll need to read and modify existing shell scripts, and create your own. Data manipulation utilities and shell syntax for synthesizing command pipelines are also emphasized throughout the course.

Who Should Attend

This is an intermediate-level course for attendees with basic Linux experience. Attendees should have experience with common UNIX/Linux user-level commands, such as moving, copying and editing files. Experience with the vi editor is a plus.

Prerequisites & Entry Requirements

General Prerequisites:

This is an intermediate-level course for attendees with basic Linux experience. Attendees should have experience with common UNIX/Linux user-level commands, such as moving, copying and editing files. Experience with the vi editor is a plus.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

This course combines expert lecture, real-world demonstrations and group discussions with machine-based practical labs and exercises. Working in a hands-on learning environment led by our expert instructor, youll explore:

-Review of the File System

-Introduction to Shells: sh, bash, and ksh

-Shell Programming

-Advanced Shell Features

-Text Manipulation Utilities

-File Processing Utilities

-Multitasking and Batch Processing

-Regular Expressions

Detailed Course Outline

Review of the File System

File System Organization

File Types

File and Directory Naming Rules and Conventions

Commands for Navigating the File System

Introduction to Inodes

Ownership, Permissions, and Dates

Manipulating Files and Links

Manipulating Directories

Determining Disk Usage

Other File System Utilities

Introduction to Shells: sh, bash, and ksh

Shell Functions

I/O Redirection and Pipes

Command Separation and Grouping

Background Execution

Filename Expansion

Shell Variables

Command Substitution

Quoting and Escaping Metacharacters

Bash Shell Features

Korn Shell Features

Command Execution

Startup Files

Customizing the User Environment

Shell Programming

Shell Script Features and Capabilities

Creating and Running a Script

Working With Variables

Environment Variables

Working With Data Types

Formatting

Base Conversion

Setting Special Attributes

Input/Output Techniques

Conditional Constructs

if/then

else/elif

Looping Constructs

for, while, until

Math Operators

Advanced Shell Features

Manipulating Strings

Writing and Calling Functions

Controlling Process Priorities

Interpreting Command Line Arguments

Making Scripts Interactive

Special Shell Variables

Advanced I/O with Streams

Improving Performance of Scripts

Text Manipulation Utilities

Editing a File from a Script

Scripting with ed or sed

UNIX and Linux Utilities to Manipulate Files

Regular Expressions

grep and egrep

The Stream Editor sed

Sorting in Scripts

Generating Reports with awk

Splitting Large Files

Counting Words, Lines, and Characters

Transforming File Contents

File Processing Utilities

Examining and Comparing Files

Reporting Differences Between Files

Comparing Files of Any Format

Displaying Data in Octal and Hex

Compressing Data

Converting File Formats

Extracting Text Strings

Multitasking and Batch Processing

Multitasking

Scheduled Execution Using cron

The at and batch Commands

Regular Expressions

Regular Expression Overview

Regular Expression Implementations

Regular Expressions

RE Character Classes

Regex Quantifiers

RE Parenthesis

Additional Course Details

Nexus Humans Intermediate Linux (TTLX2104) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Intermediate Linux (TTLX2104) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Intermediate Linux (TTLX2104)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 2-day Intermediate Linux (TTLX2104) course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Intermediate Linux (TTLX2104) training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Intermediate Linux (TTLX2104)?

Yes, we provide corporate training, dedicated training, and closed classes for Intermediate Linux (TTLX2104). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Intermediate Linux

Q: Why choose Nexus Human for Intermediate Linux (TTLX2104)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Intermediate Linux (TTLX2104) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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