COMPTIA LINUX+ Powered by LPI

Our Learning Exclusive

- Custom exam prep software and materials
- Exam delivery in classroom with 95% success
- Course specific thinQtank® Learning publications to promote a fun exciting learning
- Extended hours of training including immersive hands-on exercises
- WE DO NOT "TEACH THE TEST" We always deliver valuable hands-on experience
- Receive all reading material and study guides when you register
- All courses taught by expert Linux professionals

Course Duration

- Five days of instructor-led training
- 40% lecture, 60% practical labs

Prerequisites

- Foundation knowledge of the Linux operating system at the level of Linux Introduction and Linux Administration and Support
- Experience with Linux for one year or more

Target Audience

- Linux Administrators, engineers and architects
- Managers and supervisors who must oversee network-related activities involving Linux platforms
- Individuals interested in pursuing the CompTIA Linux+ certification

Exam Information

- XK0-005 – Linux+ Exam 1

Delivery Methods

- Instructor-Led Training
- Immersive Live-Online Training
- On-Site and Custom Delivery

Exclusive Learning Package

- Virtual Machine Build packed with tools and labs
- Linux+ Video Course
- 200+ videos contained in this product provide students more than 17 hours of instruction
- Print and Digital Courseware

Course Overview

thinQtank® Learning is offering an industry unique five-day training camp in which students can receive the CompTIA Linux+ certification. As with all of our CompTIA Training Experiences, exams are delivered in the classroom.

This Linux+ training course builds on existing foundation level Linux knowledge and provides you with next-level Linux administration knowledge to further your installation, troubleshooting, and maintenance skills.

With complete coverage of 100% of the objectives on the exams, this course provides clear, concise information on all aspects of Linux administration, with a focus on the latest version of the exams. You'll gain the insight of examples drawn from real-world scenarios, with detailed guidance and authoritative coverage of key topics, including GNU and Unix commands, system operation, system administration, system services, security, and more, from a practical perspective that easily translates into on-the-job know-how. You'll also get access to helpful study tools, including bonus practice exams, electronic flashcards, and a searchable glossary of key terms that are important to know for exam day.

Course Objectives

- Identify basic Linux concepts and perform basic Linux tasks
- Manage user and group accounts
- Manage partitions and the Linux file system
- Manage various files in Linux
- Work with Linux permissions and ownership
- Print files
- Manage packages
- Manage kernel services
- Work with the Bash shell
- Manage jobs and processes
- Manage system services
- Configure Linux services to provide users with network connectivity
- Configure basic Internet services
- Implement measures to secure a Linux system
- Manage hardware associated with Linux systems
- Troubleshoot Linux system issues
- Install the Linux operating system
- Configure the GUI
- Install Linux and manage user and group accounts
- Work with Linux permissions and ownership
- Manage kernel, system, and network services
- Work with the Bash shell and shell scripts
- Troubleshoot and secure the Linux operating system

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Course Modules

1 Performing Basic Linux Tasks
- Topic A: Identify the History and Development of Linux
- Topic B: Enter Shell Commands
- Topic C: Get Help Using Linux
- Topic D: Start and Stop Linux

2 Managing User and Group Accounts
- Topic A: Create User and Group Accounts
- Topic B: Configure User Profiles
- Topic C: Administer User and Group Accounts

3 Managing Partitions and the Linux Filesystem
- Topic A: Create Partitions
- Topic B: Navigate Through the Linux Filesystem
- Topic C: Manage the Filesystem
- Topic D: Maintain the Filesystem

4 Managing Files in Linux
- Topic A: Create and Edit Text Files
- Topic B: Locate Files
- Topic C: Search Text Using Regular Expressions
- Topic D: Apply Filters to Text Streams
- Topic E: Link Files
- Topic F: Back Up and Restore Files
- Topic G: Manage Databases Using MariaDB

5 Managing Linux Permissions and Ownership
- Topic A: Modify File and Directory Permissions
- Topic B: Modify Default Permissions
- Topic C: Modify File and Directory Ownership
- Topic D: Set Special Permissions and Attributes

6 Printing Files
- Topic A: Configure a Local Printer
- Topic B: Print Files
- Topic C: Configure Remote Printing

7 Managing Packages
- Topic A: Manage Packages Using RPM
- Topic B: Verify Packages
- Topic C: Upgrade Packages
- Topic D: Configure Repositories
- Topic E: Manage Packages Using YUM
- Topic F: Advanced Package and Application Management

8 Managing Kernel Services
- Topic A: Explore the Linux Kernel
- Topic B: Customize Kernel Modules
- Topic C: Create an initrd Image
- Topic D: Manage Device Drivers and Hardware Devices
- Topic E: Monitor Processes and Resources

9 Working with the Bash Shell and Shell Scripts
- Topic A: Perform Basic Bash Shell Operations
- Topic B: Write a Bash Shell Script
- Topic C: Customize the Bash Shell
- Topic D: Redirect Standard Input and Output
- Topic E: Use Control Statements in Shell Scripts

10 Managing Jobs and Processes
- Topic A: Manage Jobs and Background Processes
- Topic B: Manage Processes Using the Process Table
- Topic C: Delay and Detach Jobs
- Topic D: Schedule Jobs
- Topic E: Maintain the System Time

11 Managing System Services
- Topic A: Configure System Services
- Topic B: Monitor System Logs
- Topic C: Configure Security-Enhanced Linux (SELinux)

12 Configuring Network Services
- Topic A: Connect to a Network
- Topic B: Configure Routes
- Topic C: Configure Client Network Services
- Topic D: Manage Remote Network Systems

13 Configuring Basic Internet Services
- Topic A: Configure Email Services
- Topic B: Control Internet Services

14 Securing Linux
- Topic A: Implement Basic System Security
- Topic B: Secure User Accounts

15 Managing Hardware
- Topic A: Identify Common Hardware Components and Resources
- Topic B: Configure Removable Hardware
- Topic C: Configure Disk Quotas

16 Troubleshooting Linux Systems
- Topic A: Troubleshoot System-Based Issues
- Topic B: Troubleshoot Hardware Issues
- Topic C: Tshoot Network Connection and Security Issues

17 Installing Linux
- Topic A: Prepare for Installation
- Topic B: The Linux Boot Process
- Topic C: Configure GRUB
- Topic D: Install the Operating System

18 Configuring the GUI
- Topic A: Implement X
- Topic B: Customize the Display Manager
- Topic C: Enable Accessibility Settings in Linux

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