CompTIA Linux+ (XK0-006)

Course Overview

The CompTIA Linux+ can benefit you in two ways. If you intend to pass the CompTIA Linux+ (Exam XK0-006) certification examination, this course can be a significant part of your preparation. However, certification is not the only key to professional success in the field of systems administration. Today's job market demands individuals with demonstrable skills, and the information and activities in this course can help you build your sysadmin skill set so that you can confidently perform your duties in any intermediate-level Linux systems administration role.

Upon completing this course, you will be able to:

- Identify Basic Linux Concepts
- Administer Users and Groups
- Configure Permissions
- Implement File Management
- Author Text Files
- Deploy Software
- Administer Storage
- Manage the Linux Kernel and Devices
- Maintain Services
- Configure Network Settings
- Secure a Linux System
- Install Linux
- Script with Bash and Python
- Manage Containers in Linux
- Automate Infrastructure Management

Target Student

The CompTIA Linux+ certification is an intermediate-level certification designed for professionals with at least 12 months of hands-on experience working with Linux servers in a junior Linux support engineer or junior cloud/DevOps support engineer job role.

Course Prerequisites

To ensure your success in this course, you should have at least 12 months of hands-on experience working with Linux servers. CompTIA A+, Network+, and Server+ certifications, or the equivalent knowledge, are strongly recommended.

Associated Certifications

Linux+

Table of Contents

11.0 Securing a Linux System

- 11.1 Harden a Linux System
- 11.2 Monitor and Audit Log Files
- 11.3 Manage Encryption and Certificates
- 11.4 Implement Mandatory Access Controls

12.0 Installing Linux

- 12.1 Summarize the Linux Boot Process
- 12.2 Deploy Linux Virtualization
- 12.3 Deploy Linux

13.0 Scripting with Bash and Python

- 13.1 Write Basic Bash Scripts
- 13.2 Implement Shell Script Elements
- 13.3 Execute Scripts
- 13.4 Write Basic Python Code
- 13.5 Manage Version Control with Git

14.0 Managing Containers in Linux

- 14.1 Manage Container Administration, Storage, and Networking
- 14.2 Implement Container Orchestration

15.0 Automating Infrastructure Management

- 15.1 Implement Automation
- 15.2 Apply Orchestration