# COMPTIA LINUX+ PREP COURSE

Course Code: 821740

CompTIA Linux+ validates the competencies required of an early career systems administrator supporting Linux systems.

CompTIA Linux+ ensures IT professionals have the necessary skills to support today's tech systems. Rigorously evaluated to validate coverage of the XK0-005 exam objectives, this course teaches the knowledge and skills needed to configure, manage, operate, and troubleshoot Linux on-premises and cloud-based server environments, while using security best practices, scripting, containerization, and automation, as well as prepare candidates to take the CompTIA Linux+ certification exam.

**This course includes an exam voucher.**

## What You'll Learn

- Configure kernel modules, network parameters, storage, cloud and virtualization technologies
- Analyze system properties and processes and troubleshoot user, application and hardware issues
- Manage software and services, and explain server roles, job scheduling, and the use and operation of Linux devices
- Execute basic BASH scripts, version control using Git, and orchestration processes
- Understand best practices for permissions and authentication, firewalls, and file management.

## Who Needs to Attend

- Linux Administrator
- Network Administrator
- Technical Support Specialist
- Web Administrator
- Systems Administrator
- IT Specialists
- Software Developers
- Security Engineers
- Penetration Testers
- Those wanting to learn more about Linux operating systems

## Prerequisites

CompTIA A+, CompTIA Network+ and at least 12 months of Linux administration experience

- [CompTIA A+ Certification Prep Course](#)
- [CompTIA Network+ Certification Prep Course](#)

# COMPTIA LINUX+ PREP COURSE

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| CLASSROOM LIVE | $2,795 USD | 5 Day |
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## Classroom Live Outline

- Lesson 1: Introducing Linux
- Lesson 2: Administering Users and Groups
- Lesson 3: Configuring Permissions
- Lesson 4: Implementing File Management
- Lesson 5: Authoring Text Files
- Lesson 6: Managing Software
- Lesson 7: Administering Storage
- Lesson 8: Managing Devices, Processes, Memory, and the Kernel
- Lesson 9: Managing Services
- Lesson 10: Configuring Network Settings
- Lesson 11: Configuring Network Security
- Lesson 12: Managing Linux Security
- Lesson 13: Implementing Simple Scripts
- Lesson 14: Using Infrastructure as Code
- Lesson 15: Managing Containers in Linux
- Lesson 16: Installing Linux
- Appendix A: Mapping Course Content to CompTIA Linux+ (Exam XK0-005)
- Appendix B: Linux Command Reference Guide

## Classroom Live Labs

- Assisted Lab: Exploring the Lab Environment
- Assisted Lab: Basic Linux Interaction
- Assisted Lab: Manage User Accounts
- Assisted Lab: Manage Group Accounts
- Assisted Lab: Configure and Troubleshoot Privilege Escalation
- Assisted Lab: Configure Standard Permissions
- Assisted Lab: Configure Special Permissions

- Assisted Lab: Configure ACLs
- Assisted Lab: Troubleshoot Permissions
- APPLIED LAB: Identity and Access Control
- Assisted Lab: Manage File Links
- Assisted Lab: Use File Management Commands
- Assisted Lab: Search for Files
- Assisted Lab: Edit Text Files
- Assisted Lab: Backup, Restore, and Compress Files
- Assisted Lab: Manage RPM Packages
- Assisted Lab: Manage DEB Packages
- Assisted Lab: Compile a Program
- Assisted Lab: Download Files From a Web Server
- APPLIED LAB: File and Software Management
- Assisted Lab: Deploy Storage and LVM
- Assisted Lab: Manage Processes
- Assisted Lab: Manage Services
- Assisted Lab: Deploy Services
- Assisted Lab: Configure Network Settings
- Assisted Lab: Configure Remote Administration
- Assisted Lab: Troubleshoot Network Configurations
- APPLIED LAB: System Management
- Assisted Lab: Configure a Firewall
- Assisted Lab: Intercept Network Traffic
- Assisted Lab: Harden a Linux System
- Assisted Lab: Verify File Integrity By Using Hashes
- Assisted Lab: Configure SELinux
- APPLIED LAB: Security
- Assisted Lab: Manage Scripts
- Assisted Lab: Configure a System with Ansible
- Assisted Lab: Manage Version Control with Git
- Assisted Lab: Deploy Docker Containers
- Assisted Lab: Manage GRUB2
- Assisted Lab: Deploy a Linux System
- APPLIED LAB: Scripting, Orchestration, Installation

# COMPTIA LINUX+ PREP COURSE

Course Code: 821740

| VIRTUAL CLASSROOM LIVE | $2,795 USD | 5 Day |
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## Virtual Classroom Live Outline

- Lesson 1: Introducing Linux
- Lesson 2: Administering Users and Groups
- Lesson 3: Configuring Permissions
- Lesson 4: Implementing File Management
- Lesson 5: Authoring Text Files
- Lesson 6: Managing Software
- Lesson 7: Administering Storage
- Lesson 8: Managing Devices, Processes, Memory, and the Kernel
- Lesson 9: Managing Services
- Lesson 10: Configuring Network Settings
- Lesson 11: Configuring Network Security
- Lesson 12: Managing Linux Security
- Lesson 13: Implementing Simple Scripts
- Lesson 14: Using Infrastructure as Code
- Lesson 15: Managing Containers in Linux
- Lesson 16: Installing Linux
- Appendix A: Mapping Course Content to CompTIA Linux+ (Exam XK0-005)
- Appendix B: Linux Command Reference Guide

## Virtual Classroom Live Labs

- Assisted Lab: Exploring the Lab Environment
- Assisted Lab: Basic Linux Interaction
- Assisted Lab: Manage User Accounts
- Assisted Lab: Manage Group Accounts
- Assisted Lab: Configure and Troubleshoot Privilege Escalation
- Assisted Lab: Configure Standard Permissions
- Assisted Lab: Configure Special Permissions

- Assisted Lab: Configure ACLs
- Assisted Lab: Troubleshoot Permissions
- APPLIED LAB: Identity and Access Control
- Assisted Lab: Manage File Links
- Assisted Lab: Use File Management Commands
- Assisted Lab: Search for Files
- Assisted Lab: Edit Text Files
- Assisted Lab: Backup, Restore, and Compress Files
- Assisted Lab: Manage RPM Packages
- Assisted Lab: Manage DEB Packages
- Assisted Lab: Compile a Program
- Assisted Lab: Download Files From a Web Server
- APPLIED LAB: File and Software Management
- Assisted Lab: Deploy Storage and LVM
- Assisted Lab: Manage Processes
- Assisted Lab: Manage Services
- Assisted Lab: Deploy Services
- Assisted Lab: Configure Network Settings
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- Assisted Lab: Deploy a Linux System
- APPLIED LAB: Scripting, Orchestration, Installation

Jun 23 - 27, 2025 | 8:30 AM - 4:30 PM EDT

Aug 4 - 8, 2025 | 8:30 AM - 4:30 PM EDT

Oct 13 - 17, 2025 | 8:30 AM - 4:30 PM EDT

Dec 1 - 5, 2025 | 8:30 AM - 4:30 PM EST

# COMPTIA LINUX+ PREP COURSE

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| PRIVATE GROUP TRAINING | 5 Day |
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Visit us at www.globalknowledge.com or call us at 1-866-716-6688.