



CompTIA Linux+ Course Outline



ERIC REED

CYBERSECURITY TRAINING

PASS ON THE FIRST ATTEMPT!™



COMPANY OVERVIEW

For over 25 years, Eric Reed Cybersecurity Training has been a trusted leader in cybersecurity education, equipping more than 60,000 professionals with the skills needed to defend against emerging cyber threats. Our mission is to empower individuals and organizations with comprehensive, hands-on training that translates directly to real-world success. Recognized with multiple industry awards—including an unprecedented 10-time EC Council Instructor of the Year and 7-time Circle of Excellence honoree—we combine innovative delivery methods with a passion for excellence to ensure our students achieve certification success on the first attempt.



COMPTIA LINUX+

CompTIA Linux+ covers essential Linux administration skills, including system management, scripting, and security, ideal for IT professionals working with Linux environments.



COURSE OBJECTIVES

- Install, configure, and manage Linux operating systems.
- Administer users, permissions, and storage.
- Implement security measures and access control.
- Automate administrative tasks with scripting.
- Troubleshoot common Linux system issues.



SALARY RANGE

Linux+ → \$80,000 - \$120,000

These figures are approximate and depend on location, experience, and job role. Higher salaries are usually seen in major tech hubs and with significant experience.



JOB ROLES

- **Linux Admin**
- **Engineer**



ONLINE LIVE
LEARNING



ON-DEMAND
LIVE LEARNING

ONLINE LIVE & ON-DEMAND LIVE

All the benefits of live, instructor-led training with the convenience of on-demand.

- **Online Live:** Attend our scheduled sessions in real time (Monday–Friday). Get immediate interaction with the instructor and fellow students.
- **On-Demand Live:** Access recordings of the most recent live sessions on your own schedule, while still having direct instructor support.
- **Flexible Scheduling:** Choose a structured approach—one-week bootcamp (M–F), two nights a week for five weeks, or every Saturday for five weeks. Need more wiggle room? Adjust any schedule to fit your lifestyle!



"It's was a great class that covered all aspects of security. Most importantly, I appreciate the fact that you are giving up your own time to assist us and maintain a sharedrive with the latest security tools and informative papers even after the class is over. I was able to pass the test after one week of attending the training."

-Shadi Ehalabi

Contact Us

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COMPTIA LINUX+ COURSE OUTLINE

1 - PERFORMING BASIC LINUX TASKS

Identify the History and Development of Linux
Enter Shell Commands
Get Help Using Linux



2 - MANAGING USERS AND GROUPS

Assume Superuser Privileges
Create, Modify, and Delete Users
Create, Modify, and Delete Groups
Query Users and Groups
Configure Account Profiles



3 - MANAGING PERMISSIONS AND OWNERSHIP

Modify File and Directory Permissions
Modify File and Directory Ownership
Configure Special Permissions and Attributes
Troubleshoot Permissions Issues



4 - MANAGING STORAGE

Create Partitions
Manage Logical Volumes
Mount File Systems
Manage File Systems
Navigate the Linux Directory Structure
Troubleshoot Storage Issues



5 - MANAGING FILES AND DIRECTORIES

Create and Edit Text Files
Search for Files
Perform Operations on Files and Directories
Process Text Files
Manipulate File Output



6 - MANAGING KERNEL MODULES

Explore the Linux Kernel
Install and Configure Kernel Modules
Monitor Kernel Modules



7 - MANAGING THE LINUX BOOT PROCESS

Configure Linux Boot Components
Configure GRUB 2



8 - MANAGING SYSTEM COMPONENTS

Configure Localization Options
Configure GUIs
Manage Services
Troubleshoot Process Issues
Troubleshoot CPU and Memory Issues



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9 - MANAGING DEVICES

- Identify the Types of Linux Devices
- Configure Devices
- Monitor Devices
- Troubleshoot Hardware Issues



10 - MANAGING NETWORKING

- Identify TCP/IP Fundamentals
- Identify Linux Server Roles
- Connect to a Network
- Configure DHCP and DNS Client Services
- Configure Cloud and Virtualization Technologies
- Troubleshoot Networking Issues



11 - MANAGING PACKAGES AND SOFTWARE

- Identify Package Managers
- Manage RPM Packages with YUM
- Manage Debian Packages with APT
- Configure Repositories
- Acquire Software
- Build Software from Source Code
- Troubleshoot Software Dependency Issues



12 - SECURING LINUX SYSTEMS

- Implement Cybersecurity Best Practices
- Implement Identity and Access Management Methods
- Configure SELinux or AppArmor
- Configure Firewalls
- Implement Logging Services
- Back Up, Restore, and Verify Data



13 - WORKING WITH BASH SCRIPTS

- Customize the Bash Shell Environment
- Identify Scripting and Programming Fundamentals
- Write and Execute a Simple Bash Script
- Incorporate Control Statements in Bash Scripts



14 - AUTOMATING TASKS

- Schedule Jobs
- Implement Version Control Using Git
- Identify Orchestration Concepts



15 - INSTALLING LINUX

- Prepare for Linux Installation
- Perform the Installation