

CompTIA Linux+

What is it?

CompTIA Linux+ certification validates the competencies required of an entry-level system administrator supporting Linux systems.

Why is it different?

- Unlike vendor certifications, CompTIA Linux+ covers multiple distributions, validating skills that help prevent platform lock-in and that promote more flexible approaches to Linux system troubleshooting.
- CompTIA Linux+ is the only industry certification that gives you multiple industry credentials for the time, price, and effort of one certification.
- From a content perspective, CompTIA Linux+ offers a more comprehensive approach to designing, deploying, and managing Linux systems.

About the exam

CompTIA Linux+ certification validates the skills necessary to be a successful junior level Linux administrator. After passing the two exams required for certification, candidates will have mastered the following skills:

- CompTIA Linux+ LX0-103 covers how to configure the system, navigate the command line, and use common package management systems. It also verifies knowledge of GNU/Linux commands, device management, and how the filesystem hierarchy standard is implemented.
- CompTIA Linux+ LX0-104 covers how to customize your environment (e.g., choosing shells), create simple scripts, and configure networking. Additional skills verified include securing data, managing services, and troubleshooting user environments.



Exam

LX0-103 and LX0-104

Release Date

March 2015

List Price

\$200 per exam

Languages

English, German, Portuguese, Chinese and Spanish




CE Required?

No

What's in this version?

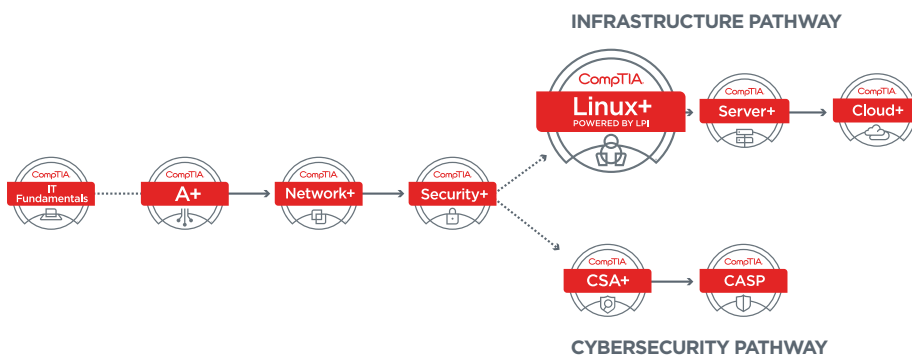
CompTIA Linux+ LX0-103 and LX0-104 exams include the addition of commands that support IT developments such as IPv6 (e.g., netcat and ping6), new boot processes (e.g., systemd), new hardware used in the data center, and the increased use of Linux in cloud-based environments. Changes also reflect updates made that provide for greater security (e.g., rsyslog).

How does Linux+ Compare to Alternatives?

		 redhat CERTIFIED SYSTEM ADMINISTRATOR	
Certification	Linux+	Red Hat CSA	Linux Foundation LFCS
Exam Length	2 exams, 90 min. each	10-15 hands-on assignments; 2 ½ hours	2 hours
Experience Level	2-3 years	Red Hat sys admin experience	Early career
Exam Focus	Covers all major distributions of Linux. Recognized in job ads.	Covers only Red Hat systems.	Covers multiple Linux distributions. Only covers managing existing Linux.
Pre-requisites	Recommended CompTIA A+, CompTIA Network+ and 12 months of Linux admin experience	Recommended Red Hat sys admin experience	Ability to work at the command line is assumed
Price	\$200 each exam	\$400	\$300

CompTIA Certification Pathway

CompTIA certifications align with the skillsets needed to support and manage IT infrastructure. Enter where appropriate for you. Consider your experience and existing certifications or course of study.



Top Linux+ Job Titles

- Linux Database Administrator
- Junior Linux Administrator
- Junior Network Administrator
- Web Administrator

Technical Areas Covered in the Certification

CompTIA LINUX+ LXO-103	<p>System Architecture 14%</p> <ul style="list-style-type: none"> • Determine and configure hardware settings • Boot the system • Change runlevels/boot targets and shutdown or reboot system 	<p>Linux Installation & Package Management 18%</p> <ul style="list-style-type: none"> • Design hard disk layout • Install a boot manager • Manage shared libraries • Use Debian package management • Use RPM and YUM package management 	<p>GNU & Unix Commands 43%</p> <ul style="list-style-type: none"> • Work on the command line • Process text streams using filters • Perform basic file management • Use streams, pipes and redirects • Create, monitor and kill processes • Modify process execution priorities • Search text files using regular expressions • Perform basic file editing operations using vi 	<p>Devices, Linux Filesystems, Filesystem Hierarchy Standard 25%</p> <ul style="list-style-type: none"> • Create partitions and filesystems • Maintain the integrity of filesystems • Control mounting and unmounting of filesystems • Manage disk quotas • Manage file permissions and ownership • Create and change hard and symbolic links • Find system files and place files in the correct location 		
	CompTIA LINUX+ LXO-104	<p>Shells, Scripting & Data Management 17%</p> <ul style="list-style-type: none"> • Customize and use the shell environment • Customize or write simple scripts • SQL data management 	<p>User Interfaces & Desktops 8%</p> <ul style="list-style-type: none"> • Install and configure X11 • Set up a display manager • Accessibility 	<p>Administrative Tasks 20%</p> <ul style="list-style-type: none"> • Manage user and group accounts and related system files • Automate system administration tasks by scheduling jobs • Localization and internationalization 	<p>Essential System Services 17%</p> <ul style="list-style-type: none"> • Maintain system time • System logging • Mail Transfer Agent (MTA) basics • Manage printers and printing 	<p>Networking Fundamentals 23%</p> <ul style="list-style-type: none"> • Fundamentals of Internet protocols • Basic network configuration • Basic network troubleshooting • Configure client side DNS

Organizations that use Linux+

- Dell
- U.S. Department of Defense
- U.S. Navy

Research and Statistics

Linux+ maps to the framework developed as part of the National Initiative for Cybersecurity Education (NICE), supporting multiple KSAs within the Operating System competency.

The U.S. Military approves CompTIA Linux+ to meet the Computing Environment (CE) certification requirement of the DoD 8570.01-M directive.

“It all boils down to certification being an internationally recognized credential. If you can put that on your resume, you’ll have a competitive advantage.”

Mark Milton

Director of People Services, Goodwill Industries