

## Training: The Linux Foundation LFCT Linux Foundation Certified Cloud Technician



### TRAINING GOALS:

The Linux Foundation Certified Cloud Technician (LFCT) exam demonstrates a candidate's competence of using the command line to configure, manage, and troubleshoot Linux systems and containers in a platform- and distribution-agnostic way.

A Linux Foundation Certified Cloud Technician (LFCT) can proficiently work with modern cloud infrastructure built on Linux, VMs, containers, Git, CI/CD pipelines, and orchestration tools.

#### Who Is It For

The LFCT is for Linux Power Users, Software Developers, or existing certified candidates (CKA, etc.) who wish to demonstrate their ability to work efficiently in a Linux environment and be more successful at their job. Other candidates for LFCT include Cloud Administrators or LFCA-certified candidates who don't wish to invest fully in becoming a Linux System Administrator (LFCS).

### Domains & Competencies

- Essential Commands 20%
  - Search for, compare, and manipulate files and file content
  - Use pipes and shell input/output redirections
  - Analyze file content using regular expressions
  - Create and work with archives
  - Create and manage hard and symbolic links
  - List, set, and change file access permissions
- System Configuration 15%
  - Install software packages
  - Create and maintain filesystems
  - Administer local user and group accounts
  - Configure and set system time and timezone
  - Configure networking and local hostname resolution
- Troubleshooting 20%
  - Identify and inspect processes and services

- Health-check and repair network services
- Identify and inspect storage issues
- Troubleshoot containers
- Virtualization and Containers 20%
  - Create and manage local and cloud-hosted Virtual Machines
  - Use cloud-init to initialize cloud-hosted Virtual Machines
  - Create and manage application containers (Podman or Docker)
  - Understand the need for container orchestration
- GitOps Basics 25%
  - Use the Git version control system
  - Perform change/code review
  - Work on version control and collaboration platforms (GitHub, GitLab)
  - Understand models of change management
  - Run commands on multiple systems and capture output
  - Automate configuration management

## Exam Details & Resources

This exam is an online, proctored, performance-based test that requires solving multiple issues from a command line running Linux.

Candidates have 2 hours to complete the tasks.

- [Linux Foundation Global Certification & Confidentiality Agreement](#)
- [Candidate Handbook](#)
- [Important Instructions](#)

## Difficulty level



## CERTIFICATE:

After passing the exam, candidates will receive the Linux Foundation Certified Cloud Technician (LFCT) certificate in pdf form.

## ADDITIONAL INFORMATION:

## Exam Includes

- Online
- Certification Valid for 3 Years
- Includes 12 Month Exam Eligibility
- One Retake
- Performance-based and Multiple Choice Exam
- Duration of Exam 120 minutes
- PDF Certificate and Digital Badge