Training: The Linux Foundation

LFCA Linux Foundation Certified IT Associate + KCNA Kubernetes and Cloud Native Associate Exam Bundle

TRAINING GOALS:

The LFCA will test candidates' knowledge of fundamental IT concepts including operating systems, software application installation and management, hardware installation, use of the command line and basic programming, basic networking functions, security best practices, and other related topics to validate their capability and preparedness for an entry-level IT position. The LFCA will confirm early proficiency and aptitude in the IT field. The exam is intended to integrate with other qualifications and provides a stepping stone to more advanced credentials.

The KCNA will demonstrate a candidate’s basic knowledge of Kubernetes and cloud-native technologies, including how to deploy an application using basic kubectl commands, the architecture of Kubernetes (containers, pods, nodes, clusters), understanding the cloud-native landscape and projects (storage, networking, GitOps, service mesh), and understanding the principles of cloud-native security.The KCNA is a pre-professional certification designed for candidates interested in advancing to the professional level through a demonstrated understanding of kubernetes foundational knowledge and skills. This certification is ideal for students learning about or candidates interested in working with cloud native technologies.

Who Is It For

The LFCA is a pre-professional certification intended for those new to the industry or considering starting an IT career as an administrator or engineer. This certification is ideal for users interested in advancing to the professional level through a demonstrated understanding of critical concepts for modern IT systems including cloud computing.

The KCNA is a pre-professional certification designed for candidates interested in advancing to the professional level through a demonstrated understanding of kubernetes foundational knowledge and skills. This certification is ideal for students learning about or candidates interested in working with cloud native technologies.

LFCA Domains & Competencies

- Linux Fundamentals 20%
  - Linux Operating System
  - File Management Commands
  - System Commands
  - General Networking Commands

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ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70
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- System Administration Fundamentals 20%
  - System Administration Tasks
  - Networking
  - Troubleshooting
  - Cloud Computing Fundamentals 20%
  - Cloud Computing Fundamentals
  - Performance / Availability
  - Serverless
  - Cloud Costs and Budgeting
- Security Fundamentals 16%
  - Security Basics
  - Data Security
  - Network Security
  - System Security
- DevOps Fundamentals 16%
  - DevOps Basics
  - Containers
  - Deployment Environments
  - Git Concepts
- Supporting Applications and Developers 8%
  - Software Project Management
  - Software Application Architecture
  - Functional Analysis
  - Open-source Software and Licensing

KCNA Domains & Competencies

- Kubernetes Fundamentals 46%
  - Kubernetes Resources
  - Kubernetes Architecture
  - Kubernetes API
  - Containers
  - Scheduling
- Container Orchestration 22%

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- Container Orchestration Fundamentals
- Runtime
- Security
- Networking
- Service Mesh
- Storage

- Cloud Native Architecture 16%
  - Autoscaling
  - Serverless
  - Community and Governance
  - Personas
  - Open Standards

- Cloud Native Observability 8%
  - Telemetry & Observability
  - Prometheus
  - Cost Management

- Cloud Native Application Delivery 8%
  - Application Delivery Fundamentals
  - GitOps
  - CI/CD

Exam Details & Resources

The LFCA and KCNA exams are an online, proctored, multiple-choice exam.

- KCNA Curriculum Overview
- Candidate Handbook
- KCNA FAQs
- LFCA Career Roadmap - Image 1
- LFCA Career Roadmap-Image 2
- Linux Foundation Global Certification and Confidentiality Agreement
- LFCA Important Instructions
- LFCA Free Resources
- KCNA Important Instructions

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Difficulty level



CERTIFICATE:

After passing the exams, candidates will receive the Linux Foundation Certified IT Associate (LFCA) + the Kubernetes and Cloud Native Associate (KCNA) certificates in pdf form.

ADDITIONAL INFORMATION:

LFCA Exam Includes

- Online Exam Delivery
- Exam Duration 90 Minutes
- Certification Valid for 3 Years
- 12 Month Exam Eligibility
- Free Retake
- PDF Certificate and Digital Badge
- Multiple-Choice Exam

KCNA Exam Includes

- Online Exam Delivery
- Exam Duration 90 Minutes
- Certification Valid for 3 Years
- 12 Month Exam Eligibility
- One Retake
- PDF Certificate and Digital Badge
- Multiple-Choice Exam

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