

DEVOPS

ADVANCED

3 DAYS

Certified Kubernetes Application Developer (CKAD)

Build a strong foundation in Kubernetes architecture and cluster operations while developing and deploying cloud native applications. Learn how to manage networking and storage in Kubernetes and gain exam focused knowledge to confidently prepare for Kubernetes certification.

Why CKAD?

Exam-aligned skills

Practice CKAD domains with hands-on Kubernetes tasks.

Safer configs

Apply security and configuration patterns for apps.

Faster app delivery

Design, configure, and deploy workloads correctly.

Operational readiness

Observe, maintain, and troubleshoot application issues.

What you'll be able to do

- ✓ Gain a solid understanding of the architecture and components of Kubernetes
- ✓ Learn how to Deploy and manage Kubernetes clusters
- ✓ Learn how to Develop and deploy cloud-native applications on Kubernetes
- ✓ Learn how to configure networking for Kubernetes pods and services
- ✓ Gain insights on how to Configure and manage storage for Kubernetes
- ✓ Ace the Certification exam with confidence with Uptut's training module.

Who this is for

- Software Developers
- DevOps Engineers
- System Administrators
- Cloud Architects

Curriculum

01 Application Design and Build

- Apply application design and build with Kubernetes in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
- Validate outcomes, logs, and failure modes
- Capture reusable patterns for team standards

02 Environment, Configuration, and Security

- Apply environment, configuration, and security with Kubernetes in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
- Validate outcomes, logs, and failure modes
- Capture reusable patterns for team standards

03 Services and Networking

- Apply services and networking with Kubernetes in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
- Validate outcomes, logs, and failure modes
- Capture reusable patterns for team standards

04 Application Deployment

- Apply application deployment with Kubernetes in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
- Validate outcomes, logs, and failure modes
- Capture reusable patterns for team standards

05 Observability and Maintenance

- Apply observability and maintenance with Kubernetes in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
- Validate outcomes, logs, and failure modes
- Capture reusable patterns for team standards