

Kubernetes Application Developer (CKAD)

Fast Track

Price: 2495

Duration: 5 days

Delivery Methods: Virtual

Overview

This accelerated course is designed for students preparing for the Certified Kubernetes Application Developer (CKAD) exam. Building upon foundational Kubernetes knowledge, the CKAD Fast Track course emphasizes application design, deployment, and troubleshooting within a live Kubernetes environment.

Through concise lectures and intensive, scenario-based labs, you will develop the skills required to define, build, and manage applications using core Kubernetes resources. Students will practice real-world tasks such as implementing probes, configuring security contexts, deploying multi-container Pods, and managing workloads with Deployments, Jobs, and CronJobs.

This course goes beyond theory—each module reinforces exam-level proficiency through hands-on CKAD practice labs, mirroring the time-sensitive and practical nature of the certification exam. By the conclusion of this training, you will possess the applied expertise and confidence to succeed on the CKAD exam and to design, deploy, and maintain cloud-native applications in production Kubernetes environments.

Objectives

- Initialize and manage a Kubernetes cluster using automation tools such as Ansible
- Build, configure, and deploy containerized applications using Kubernetes primitives
- Define, create, and modify Kubernetes resource manifests efficiently with YAML
- Implement resource requests, limits, and quotas for effective cluster resource management

- Configure health probes, security contexts, and observability for application reliability
- Manage access control using Contexts, ServiceAccounts, and Role-Based Access Control (RBAC)
- Create and consume ConfigMaps and Secrets for secure and dynamic application configuration
- Configure persistent and ephemeral storage using PersistentVolumes, Claims, and CSI drivers
- Deploy, scale, and update workloads using Deployments, ReplicaSets, DaemonSets, and Jobs
- Design multi-container Pods with init containers and sidecars for advanced application patterns
- Define and apply NetworkPolicies to control traffic flow between Pods and Namespaces
- Expose applications using Services (ClusterIP, NodePort, LoadBalancer) and Ingress controllers
- Template and manage deployments using Helm and Kustomize
- Extend Kubernetes functionality with Custom Resource Definitions (CRDs)
- Troubleshoot application and cluster issues using kubectl tools and debugging strategies
- Prepare for and confidently pass the Certified Kubernetes Application Developer (CKAD) exam

Audience

- Application Developers and Team Leaders who plan to work with Kubernetes at any level or tier of involvement
- Any company or individual who wants to achieve CKAD Certification
- Any Developer/Leader expanding their Kubernetes Learning
- Any company or individual who wants to advance their knowledge of deploying microservices

Prerequisites

- Kubernetes Fundamentals
- Linux for Absolute Beginners
- Any other Formal Linux Training

Course Schedule

Date	Time	Price	Options
07/15/2026	09:00 AM - 05:00 PM CT	2,495.00	Buy Now Enroll

Date	Time	Price	Options
09/23/2026	09:00 AM - 05:00 PM CT	2,495.00	Buy Now Enroll
11/09/2026	09:00 AM - 05:00 PM CT	2,495.00	Buy Now Enroll

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FAQ

What if I have to reschedule my class due to conflict?

Ten (10) business days' notice is required to reschedule a class with no additional fees. Notify TOPTALENT LEARNING as soon as possible at 469-721-6100 or by written notification to info@toptalentlearning.com to avoid rescheduling penalties.

How do I enroll for this class?

Please contact our team at 469-721-6100; we will gladly guide you through the online purchasing process.

What happens once I purchase a class?

You will receive a receipt and an enrollment confirmation sent to the email you submitted at purchase. Your enrollment email will have instructions on how to access the class. Any additional questions our team is here to support you. Please call us at 469-721-6100.

What is your late policy?

If a student is 15 minutes late, they risk losing their seat to a standby student. If a student is 30 minutes late or more, they will need to reschedule. A no-show fee will apply. Retakes are enrolled on a stand-by basis. The student must supply previously issued courseware. Additional fees may apply.

What happens when I finish my class?

You will receive a 'Certificate of Completion' once you complete the class. If you purchased an exam voucher for the class, a team member from TOPTALENT LEARNING will reach out to discuss your readiness for the voucher and make arrangements to send it.