



Certified Kubernetes Administrator (CKA)

THE **LINUX** FOUNDATION

<https://training.linuxfoundation.org/certification/certified-kubernetes-administrator-cka/>

CKA includes:

12-months to schedule & take the exam
Access to two exam simulation attempts
Two exam attempts

Domains & Competencies

Storage 10%

- Implement storage classes and dynamic volume provisioning
 - Configure volume types, access modes and reclaim policies
 - Manage persistent volumes and persistent volume claims
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Troubleshooting 30%

- Troubleshoot clusters and nodes
 - Troubleshoot cluster components
 - Monitor cluster and application resource usage
 - Manage and evaluate container output streams
 - Troubleshoot services and networking
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Workloads & Scheduling 15%

- Understand application deployments and how to perform rolling update and rollbacks
 - Use ConfigMaps and Secrets to configure applications
 - Configure workload autoscaling
 - Understand the primitives used to create robust, self-healing, application deployments
 - Configure Pod admission and scheduling (limits, node affinity, etc.)
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🚦 Cluster Architecture, Installation & Configuration 25%

- ➔ Manage role-based access control (RBAC)
 - ➔ Prepare underlying infrastructure for installing a Kubernetes cluster
 - ➔ Create and manage Kubernetes clusters using kubeadm
 - ➔ Manage the lifecycle of Kubernetes clusters
 - ➔ Implement and configure a highly available control plane
 - ➔ Use Helm and Kustomize to install cluster components
 - ➔ Understand extension interfaces (CNI, CSI, CRI, etc.)
 - ➔ Understand CRDs, install and configure operators
-

🚦 Services & Networking 20%

- ➔ Understand connectivity between Pods
 - ➔ Define and enforce Network Policies
 - ➔ Use Cluster IP, Node Port, Load Balancer service types and endpoints
 - ➔ Use the Gateway API to manage Ingress traffic
 - ➔ Know how to use Ingress controllers and Ingress resources
 - ➔ Understand and use Core DNS
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Out of 100% need to take 66% to get CKA Certificate












CNCF = Linux Foundation = Cloud Native Computing Foundation

The Linux Foundation worked with industry experts and the Linux kernel community to identify the core domains and the critical skills, knowledge and competencies applicable to each certification. Performance-based exams were then developed based on the competencies that were identified.

Exam Pattern:

www.linkedin.com/in/ragasudha-m

Includes

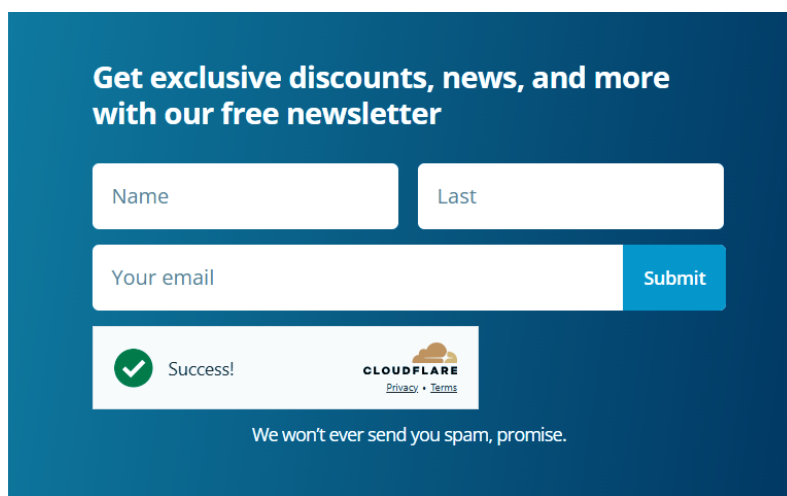
-  Online
-  Duration of Exam 2 hours
-  Certification Valid for 2 Years
-  Includes 12 Month Exam Eligibility
-  One Retake
-  PDF Certificate and Digital Badge
-  Software Version: Kubernetes v1.32
-  Performance-Based Exam
-  Exam Simulator

\$445

Exam only

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Exam Details & Resources

This exam is an online, proctored, performance-based test that requires solving multiple tasks from a command line running Kubernetes. Candidates have 2 hours to complete the tasks.

The exam is based on Kubernetes v1.32.
The CKA exam environment will be aligned with the most recent K8s minor version within approximately 4 to 8 weeks of the K8s release date.

About the CKA

The CKA was created by the Linux Foundation and the Cloud Native Computing Foundation (CNCF) as a part of their ongoing effort to help develop the Kubernetes ecosystem. The exam is online, proctored, performance-based test that requires solving multiple tasks from a command line running Kubernetes.

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Once enrolled you will receive access to an exam simulator, provided by [Killer.sh](https://killer.sh), allowing you to experience the exam environment. You will have two simulation attempts (36 hours of access for each attempt from the start of activation). Each CKA simulator session has 17 questions, and you will receive a different set of questions (17 total) in each attempt. The simulation will provide graded results.

[Killer Shell - Exam Simulators](#)



CKA Simulator

With our CKA simulator you will get access to two CKA simulator environments, each containing 17 scenarios and their solutions (17+17 questions). After the simulator session you will get access to detailed solutions.

[Learn More](#)