

Kubernetes and Cloud Native Associate (KCNA)

The information presented here were collected in November/December 2024 and were accurate at that time. However, it is possible that the KCNA content has been updated. Please verify the latest details from the official sources and kubernetes documentation.



Exam Details

- Online Exam
- Certification Valid for 2 Years
- Includes 12 Month Exam Eligibility
- One Retake
- Multiple Choice Exam
- Duration of Exam 90 Minutes

KCNA domain overview

- Kubernetes Fundamentals - 46%
- Container Orchestration - 22%

- Cloud Native Architecture - 16%
- Cloud Native Observability - 8%
- Cloud Native Application Delivery - 8%

Acronyms

Term	Description
K8s	Kubernetes
CNCF	Cloud Native Computing Foundation
RBAC	Role Based Access Control
OCI	Open Container Initiative
CRI	Container Runtime Interface
CI/CD	Continuous Integration & Continuous Deployment

Useful Links

During the exams, it is allowed to access the official Kubernetes documentation. Therefore, it is recommended that you study the documentation and familiarize yourself with it. <https://kubernetes.io/docs/home>

Official KCNA information pages

- <https://training.linuxfoundation.org/certification/kubernetes-cloud-native-associate>
- <https://github.com/cncf/curriculum/tree/master/kcna>
- <https://kubernetes.io/docs/reference/generated/kubectrl/kubectrl-commands>
- <https://landscape.cncf.io/>

Useful courses, notes and on-hand labs

- <https://killercoda.com/>
- <https://www.exampiro.co/kcna> (
<https://www.youtube.com/watch?v=ApIluksKvzI&t=43597s>)
- <https://github.com/bradmccoydev/Kubernetes-and-Cloud-Native-Associate-KCNA/tree/main>

- <https://www.civo.com/academy>
- <https://diveinto.com/p/dive-into-cloud-native-containers-kubernetes-and-the-kcna>
- <https://collabnix.github.io/kubelabs/>
- <https://labs.play-with-k8s.com/>

More helpful and interesting linksx

- <https://minikube.sigs.k8s.io>
- <https://k3s.io/>
- <https://kodekloud.com/pages/educational-resources/kubernetes-elements-map>

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