# Certified Kubernetes Application Developer (CKAD)

## About DevOpsSchool

DevOpsSchool is a unit of "Cotocus PVT ltd" and a leading platform which helps IT organizations and professionals to learn all the emerging technologies and trend which helps them to learn and embrace all the skills, intelligence, innovation and transformation which requires to achieve the end result, quickly and efficiently. We provide over 40 specialized programs on DevOps, Cloud, Containers, Security, AI, ML and on big data that are focused on industry requirement and each curriculum is developed and delivered by leading experts in each domain and aligned with the industry standards.

## About Course

This "CERTIFIED KUBERNETES APPLICATION DEVELOPER (CKAD)" Program is the only course in the WORLD which can make you an expert and proficient Architect in DevOps, DevSecOps and Site Reliability Engineering (SRE) principles together. Our curriculum has been determined by comprehensive research on 10000+ job descriptions across the globe and epitome of 200+ years of industry experience.

"Certified Kubernetes Application Developer (CKAD)" program is structured in a way, whether you are an experienced IT professional or a college graduate, this course will help you to integrate all the real-world experience with all the important tools, specialization and job-ready skills.

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| Duration | 15 Hours |
|---|---|
| Mode | Online (Instructor-led, live & Interactive) |
| Projects (Real time scenario based) | 1 |

| FEATURES | DEVOPSSCHOOL | OTHERS |
|:---:|:---:|:---:|
| Faculty Profile Check | ✔ | ✖ |
| Lifetime Technical Support | ✔ | ✖ |
| Lifetime LMS access | ✔ | ✖ |
| Top 25 Tools | ✔ | ✖ |
| Interviews Kit | ✔ | ✖ |
| Training Notes | ✔ | ✖ |
| Step by Step Web Based Tutorials | ✔ | ✖ |
| Training Slides | ✔ | ✖ |
| Training + Additional Videos | ✔ | ✖ |

# AGENDA OF THE CERTIFIED KUBERNETES APPLICATION DEVELOPER (CKAD)

## 13% - Core Concepts

- Understand Kubernetes API primitives
- Create and configure basic Pods

## 18% - Configuration

- Understand ConfigMaps
- Understand ConfigMaps
- Define an application's resource requirements
- Create & consume Secrets
- Understand ServiceAccounts

## 10% - Multi-Container Pods

- Understand Multi-Container Pod design patterns (e .g. ambassador, adapter, sidecar)

## 18% - Observability

- Understand LivenessProbes and ReadinessProbes
- Understand container logging
- Understand how to monitor applications in Kubernetes
- Understand debugging in Kubernetes

## 20% - Pod Design

- Understand Deployments and how to perform rolling updates
- Understand Deployments and how to perform rollbacks
- Understand Jobs and CronJobs
- Understand how to use Labels, Selectors, and Annotations

## 13% - Services & Networking

- Understand Services
- Demonstrate basic understanding of NetworkPolicies

## 8% - State Persistence

- Understand PersistentVolumeClaims for storage

# Thank you!

Connect with us for more info

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