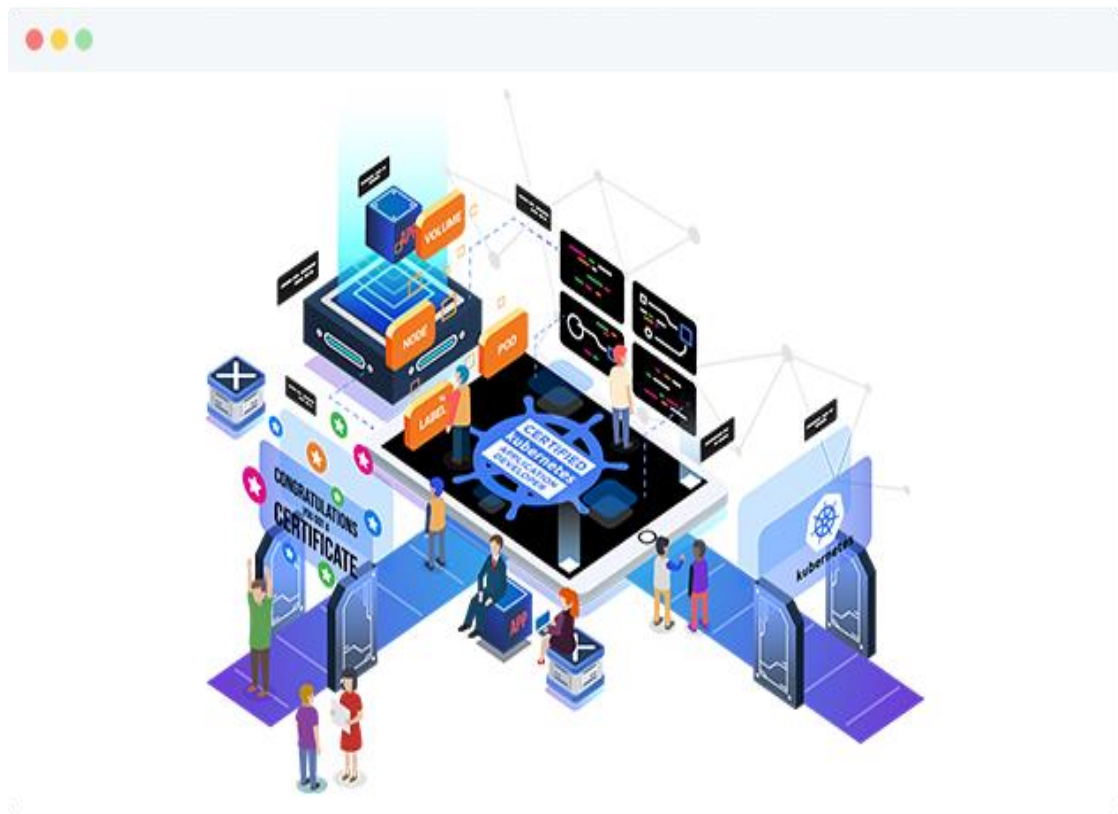




Training | Consulting | Development | Outsourcing



Kubernetes Application Developer

 9032803832

 9032803832

 contact@techyedz.com

 www.techyedz.com

Certified Kubernetes Application Developer (CKAD)

Course Overview:

This learning path is designed to help you prepare you for the Certified Kubernetes Application Developer (CKAD) exam. It includes a combination of Courses covering each exam domain, a series of Hands-on Labs to build first-hand Kubernetes experience working directly in a live cloud environment, and exams to test your knowledge along the way.

Course Outline:

1. Core Concepts

- Understand Kubernetes API primitives
- Create and Configure Basic Pods

2. Configuration

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

3. Multi-Container Pods

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

4. Observability

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

5. Pod Design

- Understand how to use Labels, Selectors, and Annotations

- Understand Deployments and how to perform rolling updates
- Understand Deployments and how to perform rollbacks
- Understand Jobs and CronJobs

6. Services & Networking

- Understand Services
- Demonstrate basic understanding of NetworkPolicies

7. State Persistence

- Understand Persistent Volume Claims for storage

Prerequisites:

- A solid understanding of containers, and Docker in particular, will be of value.
- You should be comfortable working with Linux shells.
- Prior experience working with virtual machines in cloud environments is beneficial but not required.

Who Should Attend:

- This certification is for Kubernetes administrators, cloud administrators and other IT professionals who manage Kubernetes instances.

Number of Hours: 30hrs

Certification: CKAD

Key Features:

- One to One Training
- Online Training
- Fastrack & Normal Track
- Resume Modification
- Mock Interviews
- Video Tutorials
- Materials
- Real Time Projects
- Virtual Live Experience
- Preparing for Certification