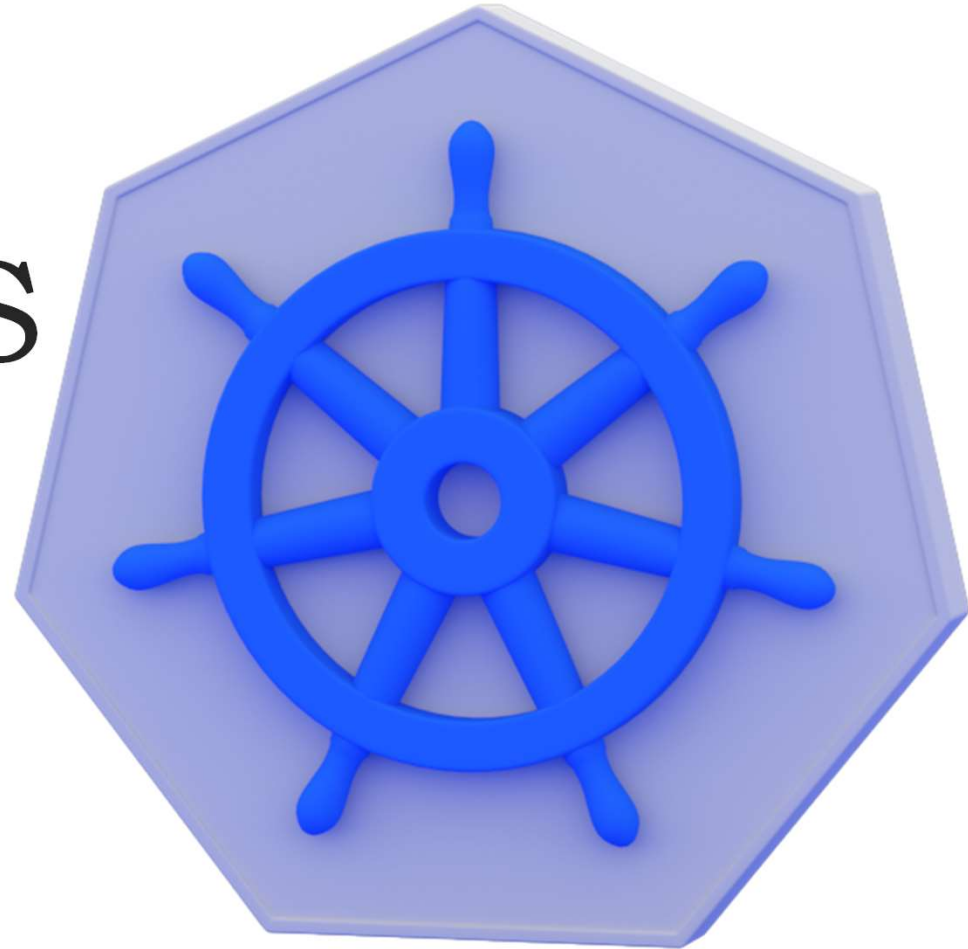


The Complete KUBERNETES Course

ISMAIL MUHAMMED

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Course Duration

Weeks: → Three Weeks

Hours: → 4 hours / Day

1 Hour → Theory Session

3 Hours → Practical Session

Course Description

This comprehensive Kubernetes course is designed to equip learners with the knowledge and skills required to implement Kubernetes practices effectively. Participants will learn about Kubernetes culture, collaboration, and automation, along with tools and technologies used in the Kubernetes ecosystem. The course aims to transform beginners into skilled Kubernetes professionals.

COURSE OBJECTIVES

- Introduce learners to Kubernetes principles, culture, and benefits.
- Provide hands-on experience with popular Kubernetes tools and technologies.
- Teach best practices for continuous integration, delivery, and deployment.
- Enable participants to design and manage robust and scalable Kubernetes architecture.
- Prepare learners to work efficiently in Kubernetes teams and contribute to modern software development processes.

Why Kubernetes

Learning Kubernetes can be highly beneficial for various reasons, especially in the context of modern software development and infrastructure management. Here are some compelling reasons why learning Kubernetes is worthwhile:

Kubernetes is an industry-leading container orchestration platform. It helps you manage, deploy, and scale containerized applications effectively.

Kubernetes automates various tasks, such as application deployment, scaling, and rolling updates. This automation reduces the burden on system administrators and ensures consistent application performance.

Container Orchestration

Scalability

Automation

Portability

Kubernetes enables easy horizontal scaling of applications. It can automatically adjust resources based on workload demands, ensuring optimal performance during peak times and cost savings during low-traffic periods.

Kubernetes provides a consistent platform for deploying applications across different environments, including public cloud, private cloud, on-premises data centers, and hybrid setups.



1. Linux Fundamentals
2. Version Control with Git
3. Vagrant Essentials
4. Ansible and Ansible-Playbooks
5. Introduction to Containers and Kubernetes
6. Kubernetes (The complete Guide)

COURSE ESSENTIALS

