Kubernetes Course

Unlock the full potential of container orchestration with this in-depth Kubernetes course. Designed for both beginners and intermediate learners, this course takes you from understanding the core concepts of Kubernetes to deploying real-world applications on a Kubernetes cluster. You will explore the architecture, main components, and configuration of Kubernetes, and gain hands-on experience by setting up a local cluster with Minikube and deploying a complete web application with MongoDB. By the end of this course, you'll be confident in managing and interacting with Kubernetes clusters in a production environment.

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Intro

Add new topics

@startmindmap

* root node

  * some first level node

    * second level node

    * another second level node

  * another first level node @endmindmap

Write content

Inject XML

Code blocks 1

Code blocks 2

Code blocks 3

2

What is Kubernetes ?

Kubernetes Architecture

Node and Pod

Main K8s Components

Service & Ingress

ConfigMap & Secret

Volume

Deployment & StatefulSet

Kubernetes Configuration

Minikube and Kubectl - Setup K8s cluster locally

Complete Demo Project: Deploy WebApp with MongoDB

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Interacting with Kubernetes Cluster