Mindluster Platform

About the course Creating google kubernetes engine deployments

Creating google kubernetes engine course, in this course we will learn about Creating Google Kubernetes Engine (GKE) Deployments, focusing on how to effectively deploy and manage containerized applications using GKE, a powerful, fully managed Kubernetes service on Google Cloud. Kubernetes is an open-source platform for automating deployment, scaling, and management of containerized applications, and GKE simplifies this process by providing a managed environment. The course covers key topics such as setting up a Kubernetes cluster on GKE, configuring deployments, and defining the necessary resources, including CPU and memory, to ensure optimal performance. You will learn how to create and manage deployments that automatically handle scaling, rolling updates, and failover, ensuring that your applications are resilient and can handle varying levels of demand. Additionally, the course will explore best practices for managing the lifecycle of your applications, including monitoring, logging, and troubleshooting within GKE. Youâ€™ll also learn how to integrate GKE with other Google Cloud services to build comprehensive, scalable cloud solutions. By the end of this course, you will have the skills to create and manage robust GKE deployments, allowing you to leverage the power of Kubernetes to deploy, scale, and maintain your applications efficiently in the cloud. Whether you're new to Kubernetes or looking to refine your skills, this course will provide the knowledge needed to succeed with GKE.

Computer Science Category's Courses

Course Lesson(43)

Lesson 1 : **App Dev Deploying the Application into Kubernetes Engine Python GSP188**

Lesson 2 : **Deploying Google Kubernetes Engine Clusters from Cloud Shell**

Lesson 3 : **Google Kubernetes Engine Security Binary Authorization GSP479**

Lesson 4 : **Setting up a Private Kubernetes Cluster GSP178**

Lesson 5 : **Using a NAT Gateway with Kubernetes Engine GSP162**

Lesson 6 : **Configuring Persistent Storage for Google Kubernetes Engine**

Lesson 7 : **Autoscaling TensorFlow Model Deployments with TF Serving and Kubernetes GSP777**

Lesson 8 : **Distributed Load Testing Using Kubernetes GSP182**

Lesson 9 : **Cloud Logging on Kubernetes Engine GSP483**

Lesson 10 : **Deploying Memcached on Kubernetes Engine GSP116**

Lesson 11 : **Using Cloud Trace on Kubernetes Engine GSP484**

Lesson 12 : **How to Use a Network Policy on Google Kubernetes Engine GSP480**

Lesson 13 : **Hello Node Kubernetes GSP005**

Lesson 14 : **Deploying Jobs on Google Kubernetes Engine**

Lesson 15 : **Working with Google Kubernetes Engine Secrets and ConfigMaps**

Lesson 16 : **Using Role based Access Control in Kubernetes Engine GSP493**

Lesson 17 : **Securing Google Kubernetes Engine with Cloud IAM and Pod Security Admission**

Lesson 18 : **Continuous Delivery with Jenkins in Kubernetes Engine GSP051**

Lesson 19 : **Orchestrating the Cloud with Kubernetes AWS GSP1120**

Lesson 20 : **Running a Containerized App on Google Kubernetes Engine GSP015**

Lesson 21 : **Migrating a Monolithic Website to Microservices on Google Kubernetes Engine GSP699**

Lesson 22 : **Managing Deployments Using Kubernetes Engine GSP053**

Lesson 23 : **Kubernetes Engine Qwik Start GSP100**

Lesson 24 : **Google Kubernetes Engine Pipeline using Cloud Build GSP1077**

Lesson 25 : **Running a MongoDB Database in Kubernetes with StatefulSets GSP022**

Lesson 26 : **Installing Anthos Service Mesh on Google Kubernetes Engine GSP654**

Lesson 27 : **Connect to Cloud SQL from an Application in Kubernetes Engine GSP449**

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Lesson 30 : **CI CD for Google Kubernetes Engine using Cloud Build**

Lesson 31 : **Deploying Google Kubernetes Engine**

Lesson 32 : **Creating Google Kubernetes Engine Deployments**

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Lesson 34 : **App Dev Deploying the Application into Kubernetes Engine Node js**

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Lesson 36 : **Deploy Scale and Update Your Website on Google Kubernetes Engine GSP663**

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Lesson 38 : **Deploy to Kubernetes in Google Cloud Challenge Lab GSP318**

Lesson 39 : **Build and Deploy a Docker Image to a Kubernetes Cluster Challenge Lab GSP304**

Lesson 40 : **Manage Kubernetes in Google Cloud Challenge Lab GSP510**

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Lesson 42 : **Optimize Costs for Google Kubernetes Engine Challenge Lab GSP343**

Lesson 43 :
Scale Out and Update a Containerized Application on a Kubernetes Cluster Challenge Lab GSP305

Related courses

Linear Algebra for Computer Scientists

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