Mindluster Platform

About the course Setting Jenkins on kubernetes engine

Setting Jenkins on kubernetes engine course, in this course we will learn about Setting Jenkins on Kubernetes Engine, focusing on how to effectively deploy and manage Jenkins, a popular continuous integration and continuous deployment (CI/CD) tool, on Google Kubernetes Engine (GKE). Google Kubernetes Engine (GKE) is a managed, production-ready environment for running containerized applications, making it an ideal platform for Jenkins, which can automate the building, testing, and deployment of applications. The course covers key topics such as creating and configuring a Kubernetes cluster on GKE, deploying Jenkins using Helm or custom YAML configurations, and setting up Jenkins pipelines to automate various development tasks. You will learn how to optimize Jenkins' performance on Kubernetes, including scaling Jenkins agents dynamically based on workload, and ensuring high availability. Additionally, the course will guide you through best practices for integrating Jenkins with Kubernetes, such as using Kubernetes plugins for Jenkins, managing Jenkins credentials securely, and automating the deployment of applications directly to Kubernetes clusters. By the end of this course, you will have the skills to set up and manage Jenkins on GKE, enabling you to streamline your CI/CD processes in a scalable and efficient manner.

Computer Science Category's Courses

Course Lesson(2)

Lesson 1 : **Setting up Jenkins on Kubernetes Engine GSP117**

Lesson 2 : **Continuous Delivery with Jenkins in Kubernetes Engine GSP051**

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