

Szkolenie: Google Cloud
Getting Started with Google Kubernetes Engine

DOSTĘPNE TERMINY

2021-06-11 | 1 dzień | Virtual Classroom

Cel szkolenia:

This one-day instructor-led class equips students to containerize workloads in Docker containers, deploy them to Kubernetes clusters provided by Google Kubernetes Engine, and scale those workloads to handle increased traffic. Students also learn how to continuously deploy new code in a Kubernetes cluster to provide application updates.

Course objectives:

This course includes presentations and hands-on labs.

Audience:

This class is intended for the following participants: Application developers, Cloud Solutions Architects, DevOps Engineers, IT managers. Individuals using Google Cloud Platform to create new solutions or to integrate existing systems, application environments, and infrastructure with the Google Cloud Platform.

Plan szkolenia:

- Introduction to Containers and Docker
 - Create a container.
 - Package a container using Docker.
 - Store a container image in Google Container Registry.
 - Launch a Docker container.
- Kubernetes Basics
 - Provision a complete Kubernetes cluster using Kubernetes Engine.
 - Deploy and manage Docker containers using kubectl.
 - Break an application into microservices using Kubernetes' Deployments and Services.
- Deploying to Kubernetes
 - Create a Kubernetes deployment.
 - Trigger, pause, resume, and rollback updates.

- Understand and build canary deployments.
- Creating a Continuous Delivery Pipeline
 - Provision Spinnaker or Jenkins in your Kubernetes cluster.
 - Manage application code in a source repository that can trigger code changes to a continuous delivery pipeline.
 - Create a continuous delivery pipeline and start it manually or automatically with a code change.
 - Implement a canary deployment that hosts two versions of your application in production for release testing.

Poziom trudności



Certyfikaty:

The participants will obtain certificates signed by Google Cloud.

This course additionally helps prepare for **Professional Cloud Developer** and certification exam available at Kryterion test centers.

Prowadzący:

Authorized Google Cloud Trainer.