



Kubernetes on GKE

Garbarino, Ernesto,
instructor

Material Projectable

3+ Hours of Video Instruction Learn the fundamentals you need to use the Google Kubernetes engine. Kubernetes is the de facto standard for running scalable workloads on-prem and across all major public clouds. Kubernetes on the Google Cloud Platform (GKE) was the first managed version of this container orchestrator on a major public cloud and remains until today one of the most accessible to beginners. In the Kubernetes on GKE video course, Ernesto Garbarino takes you through the Google Kubernetes Engine and enables you to grasp the fundamentals of running scalable and highly available workloads on GKE and leveraging the ease of use of this platform. The class focuses on the portable capabilities that can be leveraged in other Kubernetes implementations as well. Throughout the course, Ernesto will cover key Kubernetes fundamentals through a series of demos which include setting up your Google Kubernetes Engine, creating and destroying Kubernetes Clusters, and running containerized workloads, ranging from simple Linux commands, all the way up to a custom fault-tolerant distributed database. By the end of the course, you will gain the confidence to run, scale, and control applications on Kubernetes, and where to explore further. Topics covered include: Getting Started with GKE: Provisioning GKE services on the Google Cloud Platform, setting up a Kubernetes cluster and managing using the command line interface. Pods: Running and managing containerized workloads, as well as understanding their life cycle. High Availability and Service Discovery: Scaling containerized workloads, making them highly-available, and making them accessible on the public internet. Jobs and Daemonsets: Running batch jobs, cron jobs, and server-wide 'daemonized' processes. Configuration and StatefulSets: Externalizing configuration properties, storing sensitive information (secrets), and deploying persistent, fault-tolerant, distributed workloads. About the Instructor: Ernesto Garbarino is an Enterprise Architect Fellow at Mphasis, a Blackstone company. He holds an MSc in Software Engineering from University of Oxford with Distinction as well as two diplomas in Computing from the same institution. In 'real life', he leads large cloud modernization initiatives, often using container technology, as well as machine learning, primarily for large world financial institutions. His most recent project was the greenfield implementation of a cloud native, event-driven payments platform for Western Union. He is also an avid blogger who is passionate about writing tutorials about a range of subjects including Haskell, Python, Go, Enterprise Architecture, Productivity, as well as opinion notes on trending topics such as cryptocurrencies. He is also the author of Beginning Kubernetes on the Google Cloud Platform. Skill Level: Beginner Learn How To: Set up a Kubernetes Cluster on the Google Cloud Platform Launch and control containers throughout their life cycle Achieve zero-downtime deployments using the Service controller Apply externalized configuration principles using ConfigMap and Secrets Who Should Take This Course: Linux Application administrator who wants to learn how to manage workloads in the cloud's de facto application runtime environment. Applications Developer who wants to learn how to create cloud native applications, as well as apply DevOps principles. You are looking to build a foundational understanding of the Google Kubernetes Engine About Pearson Video Training: Pearson publishes expert-led video tutorials covering a wide selection of technology topics designed to teach you the skills you need to succeed. These professional and personal technology videos feature world-leading author instructors published

by your trusted technology brands: Addison-Wesley, Cisco Press, Pearson IT Certification, Prentice Hall, Sams, and Que Topics include: IT Certification, Network Security, Cisco Technology, Programming, Web Development, Mobile Development, and more. Learn more about Pearson Video training at <http://www.informit.com/video>

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMzU3NzMxNDM>

Título: Kubernetes on GKE

Edición: [First edition]

Editorial: [Place of publication not identified] Pearson 2024

Descripción física: 1 online resource (1 video file (3 hr., 36 min.)) sound, color

ISBN: 0-13-531623-5

Materia Título preferido: Kubernetes- Examinations- Study guides

Materia: Software container technologies- Examinations- Study guides Application software- Development- Computer programs- Examinations- Study guides Application program interfaces (Computer software)- Examinations- Study guides Open source software- Examinations- Study guides

Autores: Garbarino, Ernesto, instructor

Entidades: Pearson (Firm) publisher

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es