### Google Cloud

# Kubernetes.

<u>Cost savings and business</u> <u>benefits of Google</u> <u>Kubernetes Engine (GKE)</u>

Build your apps on the most automated and scalable managed K8s and unlock new opportunities.

Kubernetes is not just a technology — it's a **model for creating value** for your business, a way of developing apps and services, and a means to secure and develop cloud-native IT capabilities for innovation. Created by the same developers that built Kubernetes, <u>GKE</u> leads the way in cloud-based Kubernetes services for running containerized applications. GKE makes it easy to realize the benefits of innovation initiatives without getting bogged down troubleshooting infrastructure issues and managing day-to-day operations related to enterprise-scale container deployment.

#### Put your business on autopilot

Given our long history with Kubernetes, we are able to offer unparalleled managed services based on critical open source projects. With fully managed Autopilot mode of operation combined with multi-dimensional auto scaling capabilities, GKE delivers most dimensions of automation to efficiently and easily operate your applications.

## Software containers are a versatile tool that enable organizations to accelerate innovation and improve efficiency.

When prioritizing investments and optimizing costs, it's about **doing more with less**, even if with limited funding, you should maintain business continuity, accelerate productivity, and ensure longevity. While building your apps in the Cloud can help you start your digital transformation journey and save, a container-first approach with a modern application platform built using the most automated and scalable managed Kubernetes can help you **maximize your return on investments**. GKE makes it easy to recognize the benefits of innovation initiatives without getting bogged down troubleshooting infrastructure issues and managing day-to-day operations.

#### Workshop overview



#### Autopilot workshop by Google Customer Engineers

• Introduction to optimization strategies and support to identify workloads to get started

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- New workload pilot delivered by Google Partners
  - Establish GKE Autopilot clusters working with platform teams and migrate/create workloads

Optimization workshop delivered by Google Customer Engineers (for existing GKE users)

• Recommendations for optimization of existing cluster and workloads

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#### Scale with the most savings

Whether your organization is scaling up to meet a sudden surge in demand or scaling down to manage costs, modern cloud applications have never been more important. Only GKE can run 15,000 node clusters, outscaling other cloud providers by up to 10X, letting you run applications effectively and reliably at scale.



Kubernetes Engine, the foundation for our multicloud infrastructure, allows customers to run

> node clusters,

outscaling other cloud providers by up to 10X.

#### More value with automation

"Autoscaling on GKE helps us to match capacity with real-time demand. The result is 99% uptime and a 50% reduction in infrastructure costs while removing operational burdens. We can invest more time on coding and less on managing resources."

- Piyush Yadav, Head of Technology, ScoopWhoop

"With GKE, we deliver the same or better functionality as previously in terms of being able to scale up to match traffic, but in its lowest state, the overall running cost of the production cluster is much less than the minimum costs we'd pay with the previous architecture."



- Andrew Mori, Director of Technology, Konga

Thank you for your interest in this workshop. We will reach out to you shortly. Meanwhile, if you have any questions, please reach out to your Google Cloud account team.

