

# Modernize in place and grow in the cloud

Companies are turning to the cloud to build new digital experiences, enabled by fast development cycles. But for enterprises with decades of investment in legacy infrastructure, moving your entire data center footprint to the cloud overnight is rarely an option. Google Cloud helps companies modernize in place by providing a consistent foundation for managing applications across every environment: on-prem data centers, private hosted environments, and any public cloud environments you choose (multi-cloud).

## Open approach

With Google Cloud's open approach, software spans diverse environments seamlessly. Our hybrid offering is based on open technology like Kubernetes and Istio to ensure control and choice remain in customers' hands. Kubernetes Engine (GKE) is a managed environment for running containerized applications and the best place to run Kubernetes for business-critical applications in production. Google site reliability engineers ensure customers' Kubernetes clusters are available, up to date, and tuned for performance.

## Core benefits

Using containers, you can modernize many legacy applications. Kubernetes and GKE help you manage them consistently, whether they reside on-prem or in the cloud. You can then consume cloud services from on-prem applications, or vice versa: make legacy systems and data available to cloud-native applications. Istio provides an open platform to connect, manage, and secure microservices consistently across all environments. This approach helps future-proof your applications while making use of existing investments in talent and tools — and gives IT a "single pane of glass" for connecting, securing, and managing services uniformly across clouds and on-prem.

## **Partner Ecosystem**



Pivotal.



**NUTANIX** 

## **Related Products**

- Apigee
- Istio
- · Kubernetes Engine
- · Open Service Broker
- Stackdriver

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- App Engine cloud.google.com/appengine
- Cloud Functions cloud.google.com/functions
- Kubernetes Engine cloud.google.com/kubernetesengine
- Tools cloud.google.com/products/tools

All of our applications and our primary database now run on Google [Kubernetes] Engine. [Kubernetes]

Engine gives us elasticity and scalable performance for our Kubernetes clusters. It's fully supported and managed by Google, which makes it more attractive to us than elastic container services from other cloud providers.

Arya Asemanfar, Engineering Manager at Mixpanel