

# ARCHITECTING WITH GOOGLE KUBERNETES ENGINE

Course Code: 100545

Learn how to deploy practical solutions including security and access management, resource management, and resource monitoring.

This three-day instructor-led class introduces participants to deploying and managing containerized applications on Google Kubernetes Engine (GKE) and the other services provided by Google Cloud Platform. Through a combination of presentations, demos, and hands-on labs, participants explore and deploy solution elements, including infrastructure components such as pods, containers, deployments, and services; as well as networks and application services. This course also covers deploying practical solutions including security and access management, resource management, and resource monitoring.

**Learn more about this topic now. View the webinar [Why all the buzz about containers – AWS, Google, and Azure](#)**

## What You'll Learn

This course teaches participants the following skills:

- Understand how software containers work Understand the architecture of Kubernetes
- Understand the architecture of Google Cloud Platform Understand how pod networking works in Kubernetes Engine
- Create and manage Kubernetes Engine clusters using the GCP Console and gcloud/ kubectl commands Launch, roll back and expose jobs in Kubernetes Manage access control using Kubernetes RBAC and Google Cloud IAM
- Managing pod security policies and network policies Using Secrets and ConfigMaps to isolate security credentials and configuration artifacts
- Understand GCP choices for managed storage services
- Monitor applications running in Kubernetes Engine

## Who Needs to Attend

This class is intended for the following participants: Cloud architects, administrators, and SysOps/DevOps personnel, Individuals using Google Cloud Platform to create new solutions or to integrate existing systems, application environments, and

infrastructure with the Google Cloud Platform.

## Prerequisites

To get the most out of this course, participants should have: Completed Google Cloud Platform Fundamentals: Core Infrastructure or have equivalent experience  
Basic proficiency with command-line tools and Linux operating system environments

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VIRTUAL CLASSROOM LIVE

\$3,591 CAD

3 Day

Aug 20 - 21, 2026 | 9:00 AM - 5:00 PM EDT



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PRIVATE GROUP TRAINING

3 Day

Visit us at [www.globalknowledge.com](http://www.globalknowledge.com) or call us at 1-866-716-6688.

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