

# Getting Started with Google Kubernetes Engine

## Module 1: Introduction to Google Cloud

- Use the Google Cloud Console.
- Use Cloud Shell.
- Define Cloud Computing.
- Identify Google Cloud compute services.
- Understand regions and zones.
- Understand the Cloud resource hierarchy.
- Administer your Google Cloud resources.

## Module 2: Containers and Kubernetes in Google Cloud

- Create a container using Cloud Build.
- Store a container in Container Registry.
- Understand the relationship between Kubernetes and Google Kubernetes Engine (GKE).
- Understand how to choose among Google Cloud Compute platforms.

## Module 3: Kubernetes Architecture

- Understand the architecture of Kubernetes: pods, namespaces.
- Understand the control-plane components of Kubernetes.
- Create container images using Cloud Build.
- Store container images in Container Registry.
- Create a Kubernetes engine cluster.

## Module 4: Introduction to Kubernetes Workloads

- The kubectl command.
- Introduction to deployments.
- Pod networking.
- Volumes overview