

# GGCL-9 - GETTING STARTED WITH GOOGLE KUBERNETES ENGINE

Categoria: **Google Cloud**

## INFORMAZIONI SUL CORSO



**Durata:**  
1 Giorni



**Categoria:**  
Google Cloud



**Qualifica Istruttore:**  
Docente Senior (min.  
5 anni)



**Dedicato a:**  
Professionista IT



**Produttore:**  
PCSNET

## OBIETTIVI

This course teaches participants the following skills:

- Understand how software containers work.
- Understand the architecture of Kubernetes.
- Understand the architecture of Google Cloud.
- Understand how pod networking works in Kubernetes Engine.
- Create Kubernetes Engine clusters using the Google Cloud Console and gcloud/ kubectl commands.

## PREREQUISITI

To get the most out of this course, participants should have:

- Completed Google Cloud Fundamentals: Core Infrastructure or have equivalent experience.
- Basic proficiency with command-line tools and Linux operating system environments

## CONTENUTI

### **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.

## INFO

**Materiale didattico:** Materiale didattico e relativo prezzo da concordare

**Costo materiale didattico:** NON incluso nel prezzo del corso

**Natura del corso:** Operativo (previsti lab su PC)