Original page: https://cloudskillsboost.google/paths/36 (https://cloudskillsboost.google/paths/36)

(/)

Share on LinkedIn Feed Twitter Facebook

Apply your skills in Google Cloud console

Google Cloud Computing Foundations Certificate

This learning path guides you through a curated collection of on-demand courses, labs, and skill badges that provide you with real-world, hands-on experience in Google Cloud.

school	8 activities	update	Last updated 16 days	person	Managed by Google Cloud

This learning path contains on-demand courses that introduces you to the fundamentals of Google Cloud. This learning path guides you through a curated collection of on-demand courses, labs, and skill badges that provide you with real-world, hands-on experience in Google Cloud. Once you complete the path, check out our catalog for 700+ labs and courses to keep going on your professional journey.

Start learning path

Hands on labs

25 hands-on labs across the course

4 final challenge labs

24 hours of experiential learning

Hosted on **Google Cloud Skills Boost**

Access to a set of resources, in a clean environment with required permissions, for a fixed amount of time at no additional charge

Credits provided by Google

Access cloud.google.com/edu to apply

Google Cloud
Skills Boost

01 Google Cloud Computing Foundations: Cloud Computing Fundamentals

book Course
access_time 8 hours
show_chart Introductory

The Google Cloud Computing Foundations courses are for individuals with little to no background or experience in cloud computing. They provide an overview of concepts central to cloud basics, big data, and machine learning, and where and how Google Cloud...

Start course

(/paths/36/course_templates/154)

02 Google Cloud Computing Foundations: Infrastructure in Google Cloud

book Course

access_time 8 hours 30 minutes

show_chart Introductory

The Google Cloud Computing Foundations courses are for individuals with little to no background or experience in cloud computing. They provide an overview of concepts central to cloud basics, big data, and machine learning, and where and how Google Cloud...

Start course

03 Google Cloud Computing Foundations: Networking & Security in Google Cloud

book Course

access_time 8 hours 30 minutes

show_chart Introductory

The Google Cloud Computing Foundations courses are for individuals with little to no background or experience in cloud computing. They provide an overview of concepts central to cloud basics, big data, and machine learning, and where and how Google Cloud...

Start course

Objectives

01 Explore big data managed services in the cloud.

02 Examine using Dataproc to run Hadoop, Spark, and other big data technologies as a managed service in the cloud.

03 Learn about building ETL pipelines as a managed service using Dataflow.

04 Explore BigQuery as a managed data warehouse and analytics engine.

(/paths/36/course_templates/156)

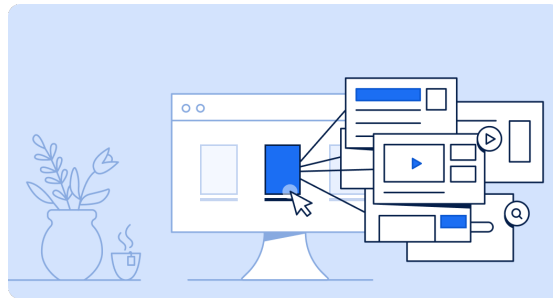# 04 Google Cloud Computing Foundations: Data, ML, and AI in Google Cloud

book Course

access_time 8 hours 30 minutes

show_chart Introductory

The Google Cloud Computing Foundations courses are for individuals with little to no background or experience in cloud computing. They provide an overview of concepts central to cloud basics, big data, and machine learning, and where and how Google Cloud...

Start course

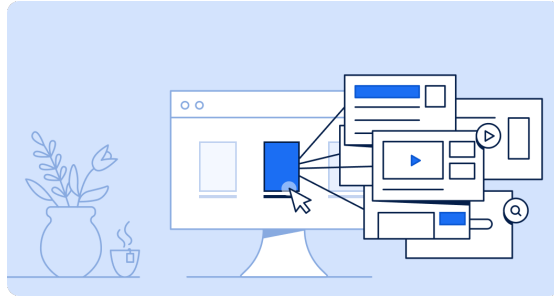## 05 Implementing Cloud Load Balancing for Compute Engine

book Course

access_time 1 hour 15 minutes

show_chart Introductory

Complete the introductory Implementing Cloud Load Balancing for Compute Engine skill badge to demonstrate skills in the following: creating and deploying virtual machines in Compute Engine and configuring network and application load balancers.

Start course

(/paths/36/course_templates/637)

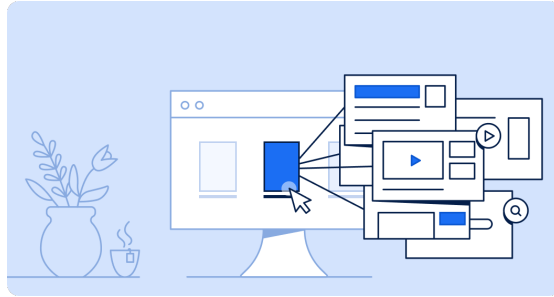# 06 Set Up an App Dev Environment on Google Cloud

book Course
access_time 4 hours
show_chart Introductory

Earn a skill badge by completing the Set Up an App Dev Environment on Google Cloud course, where you learn how to build and connect storage-centric cloud infrastructure using the basic capabilities of the of the following technologies: Cloud Storage,...

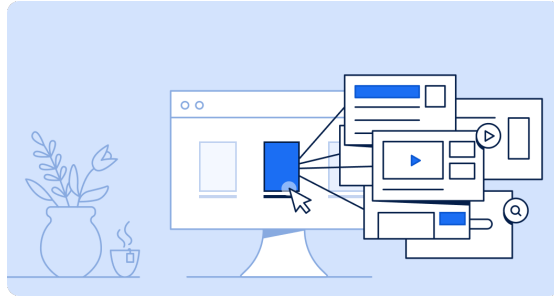Start course

07 Build a Secure Google Cloud Network

book Course

access_time 6 hours 45 minutes

show_chart Intermediate

Earn a skill badge by completing the Build and Secure Networks in Google Cloud course, where you will learn about multiple networking-related resources to build, scale, and secure your applications on Google Cloud. A skill badge is an exclusive digital...

Start course

(/paths/36/course_templates/631)

08 Prepare Data for ML APIs on Google Cloud

book Course
access_time 5 hours
show_chart Introductory

Complete the introductory Prepare Data for ML APIs on Google Cloud skill badge to demonstrate skills in the following: cleaning data with Dataprep by Trifacta, running data pipelines in Dataflow, creating clusters and running Apache Spark jobs in Dataproc, and...

Start course