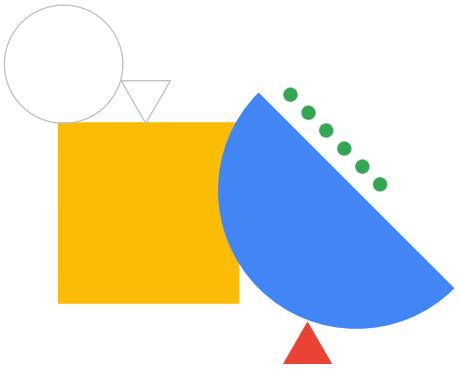
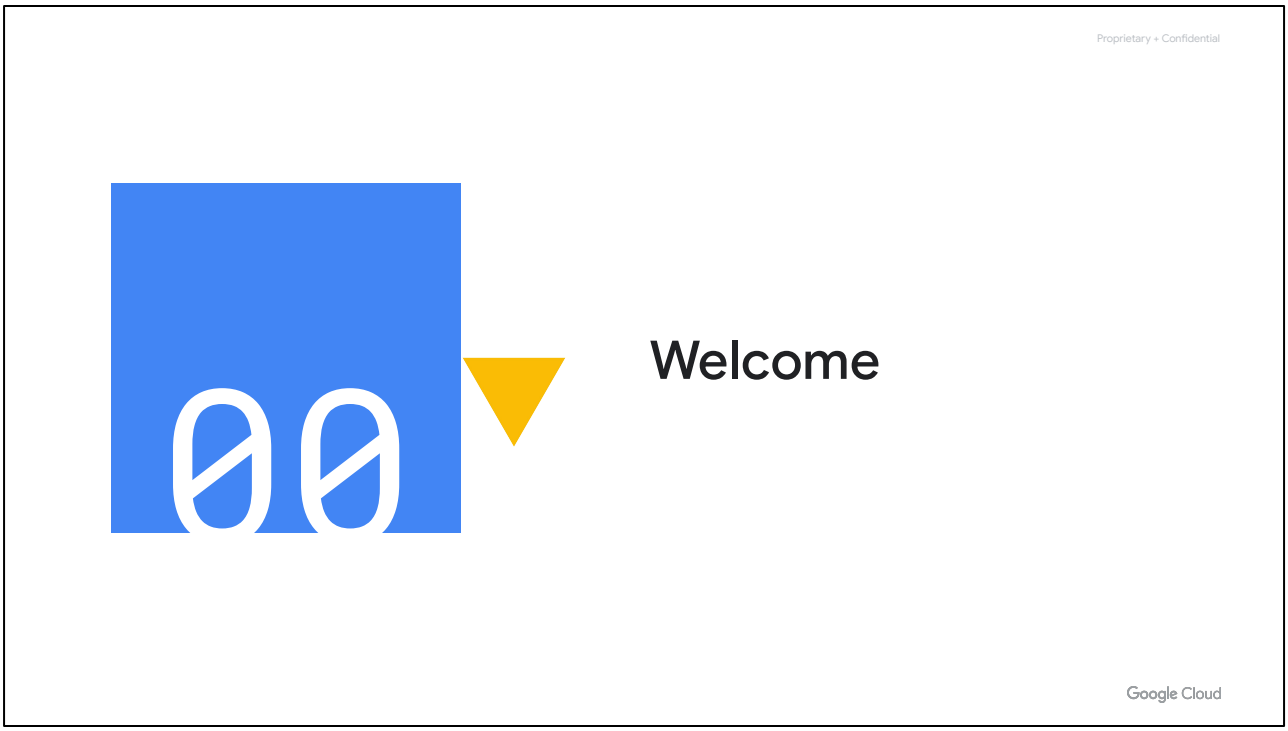
Google Cloud

Google Cloud Fundamentals: Core Infrastructure

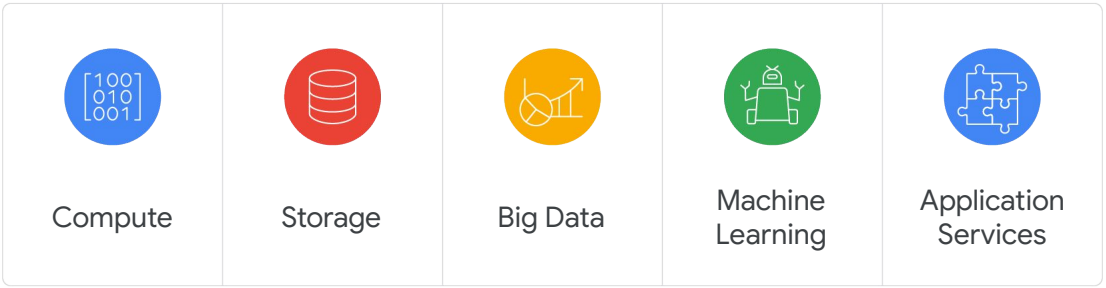


Instructor-led training



Good morning and welcome to the **Google Cloud Fundamentals: Core Infrastructure** training course.

Google Cloud offerings

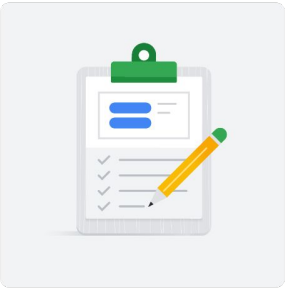


Google Cloud offerings can be broadly categorized as compute, storage, big data, machine learning and application services for web, mobile, analytics, and back-end solutions.

Course format

Presentations

Quizzes

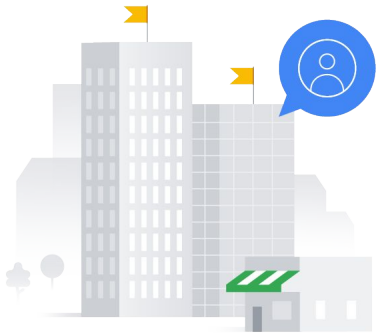


Hands-on labs

This *one day, instructor-led class* will provide you with an overview of Google Cloud.

Through a combination of presentations, quizzes, and hands-on labs, you'll learn the value of Google Cloud and how cloud solutions factor into business strategies.

Target audience



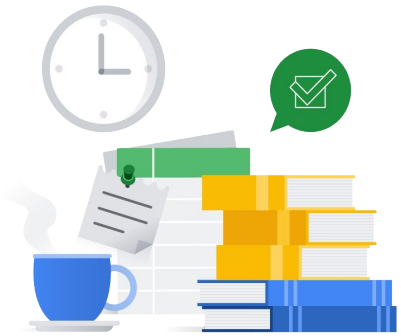
- Solutions Developers
- Systems Ops professionals
- Solution Architects
- Business decision makers

Google Cloud

The intended target audience of today's course consists of solutions developers, systems operations professionals, and solution architects planning to deploy applications and create application environments on Google Cloud.

The course will also be useful for business decision makers evaluating Google Cloud.

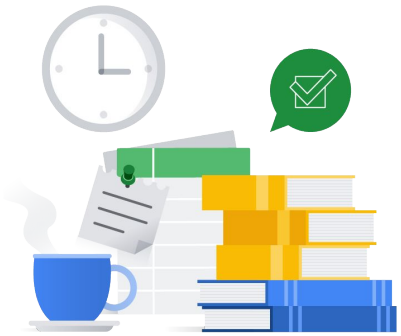
Helpful knowledge



- No prerequisites

While you should all be happy to hear that we'll be finding out about services and concepts that are specific to Google Cloud in today's course, do keep in mind that, as a 'fundamentals' level course, some content will be geared towards learners who are entirely new to cloud technologies.

Helpful knowledge

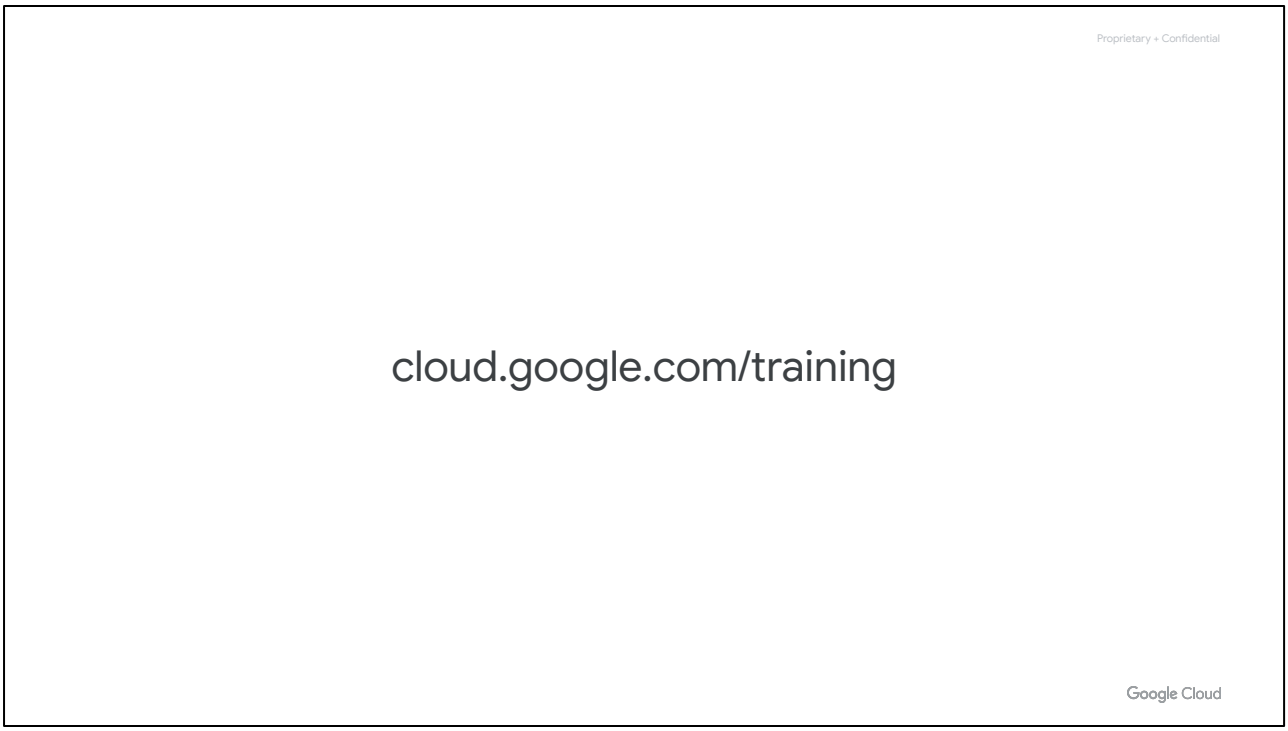


- No prerequisites

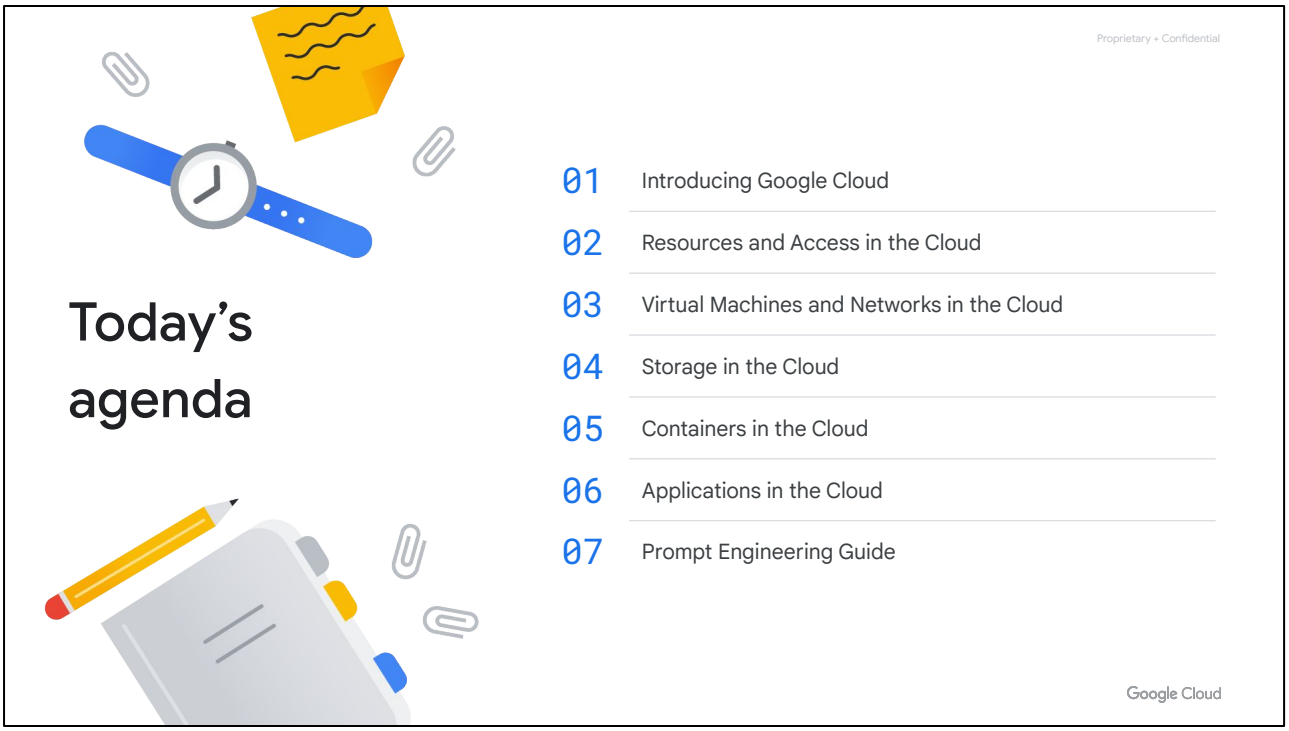
Helpful to **be familiar with**

- Application development
- Linux operating systems
- Systems operations
- Data analytics/machine learning

The course has no prerequisites, although familiarity with application development, Linux operating, Windows operating systems, systems operations, and data analytics/machine learning will be helpful in understanding the technologies covered.



You can learn more about where this course fits into the learning path for your specific role, and all the training courses offered by Google Cloud, by heading to *cloud.google.com/training*. At the end of today's course we'll speak a little more about the different learning paths offered for each role.



There are 7 modules in today's course, rounded off with a short summary and review session.

Here's our agenda:

1. Introducing Google Cloud
2. Resources and Access in the Cloud
3. Virtual Machines and Networks in the Cloud
4. Storage in the Cloud
5. Containers in the Cloud
6. Applications in the Cloud
7. Prompt Engineering Guide

Objectives

01 Identify the purpose and value of Google Cloud products and services.

02 Define how infrastructure is organized and controlled in Google Cloud.

03 Explain how to create basic infrastructure in Google Cloud.

04 Select and use Google Cloud storage options.

05 Describe the purpose and value of GKE.

06 Identify the use cases for serverless Google Cloud services.

07 Combine Google Cloud knowledge with prompt engineering to improve Gemini responses.

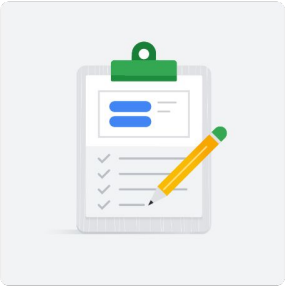
Through covering these modules, there are seven key learning objectives that we're hoping to achieve today, and they are to:

1. Identify the purpose and value of Google Cloud products and services.
2. Define how infrastructure is organized and controlled in Google Cloud.
3. Explain how to create basic infrastructure in Google Cloud.
4. Select and use Google Cloud storage options.
5. Describe the purpose and value of Google Kubernetes Engine.
6. Identify the use cases for serverless Google Cloud services.
7. Combine Google Cloud knowledge with prompt engineering to improve Gemini responses.

Hands-on labs

For each lab, Google Cloud Skills Boost offers:

- A set of resources for a fixed amount of time
- A clean environment with permissions



During each module today we'll be putting what we've learned into practice through hands-on labs. These are run through the Google Cloud Skills Boost platform. For each lab, Google Cloud Skills Boost offers a free set of resources for a fixed amount of time and a clean environment with permissions.

I'll let you know when it's time to launch a lab. Once you start a lab, you won't be able to pause and restart it, so you'll need a continuous block of time to complete the work.

For those of you who aren't familiar with labs, we'll explain more about them when we reach one in the course.

Any questions before we begin?

Skip this for large-scale VILTs

OK, does anyone have any questions before we begin?