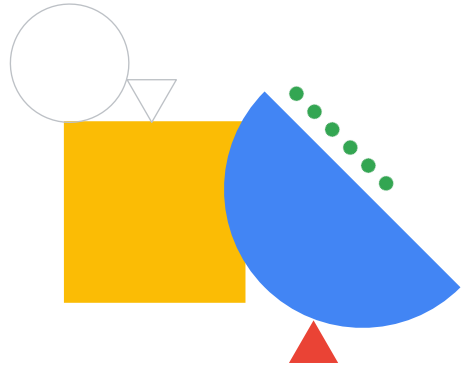


# Google Cloud Fundamentals: Core Infrastructure

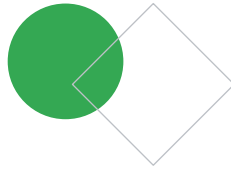
Instructor-led training





# Welcome

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



**Full name**

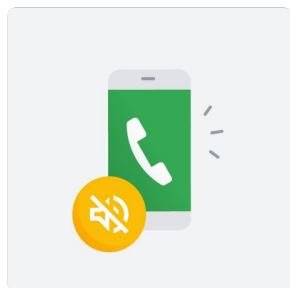
Role, organization



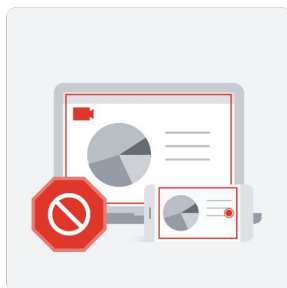
*The facilitator should share information on their role, organization, and background, as it's relevant to today's course.*

If there are 10 or fewer learners in the session, each attendee can also give a brief intro to themselves.

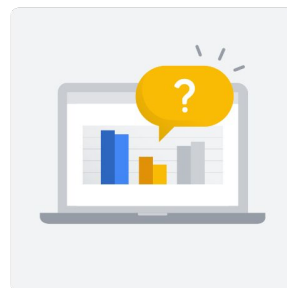
# Etiquette



No calls



No recording



Ask questions

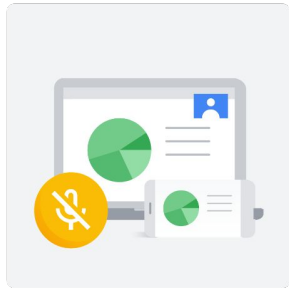
**Use this slide for in-person facilitations.**

***Share information on parking, restrooms, refreshments, and fire safety.***

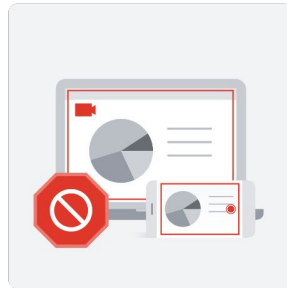
To ensure an effective and respectful learning environment for everyone here today:

- Please silence your phone and take calls outside the classroom.
- Refrain from recording this class. It's prohibited.
- Ask questions when you have them.

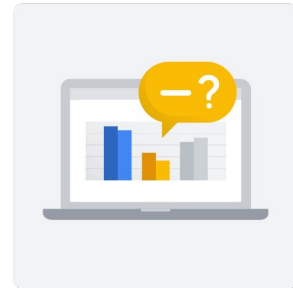
# Etiquette



Mute microphone



No recording



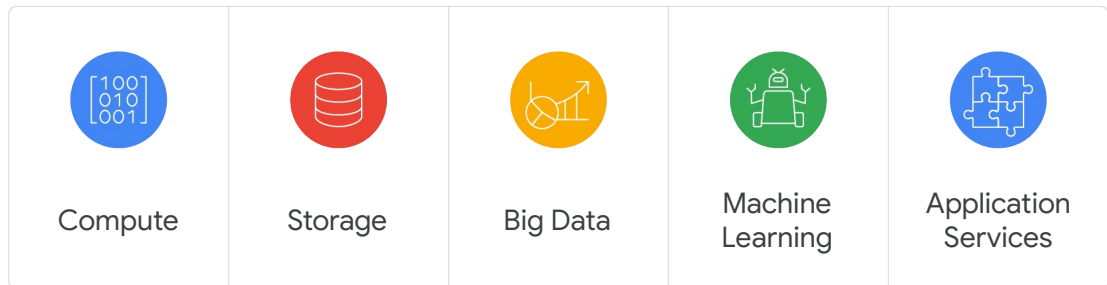
Ask questions

## Use this slide for virtual facilitations.

To ensure an effective and respectful learning environment for everyone here today:

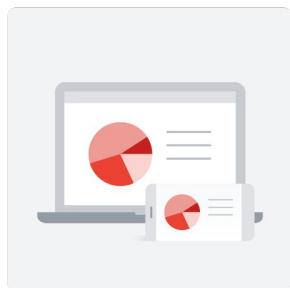
- Mute your microphone.
- Refrain from recording this class. It's prohibited.
- Ask questions via the chat.

# Google Cloud offerings

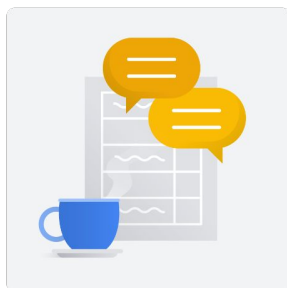


Google Cloud offerings can be broadly categorized as compute, storage, big data, machine learning and application services for web, mobile, analytics, and back-end solutions.

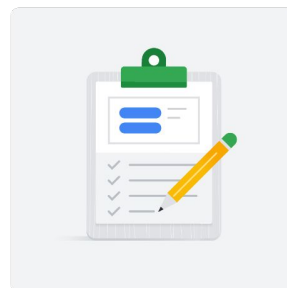
## Course format



Presentations



Quizzes

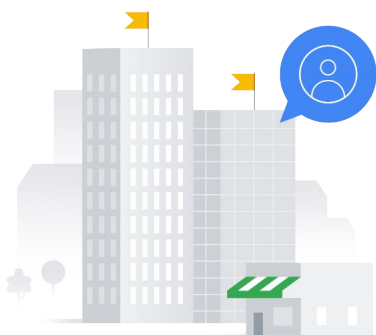


Hands-on labs

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



Google Cloud

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

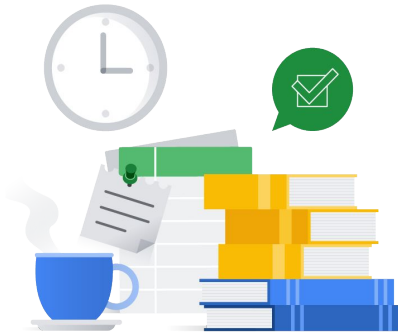
The intended target audience of today's course consists of solutions developers, systems operations professionals, and solution architects planning to deploy applications and create application environments on Google Cloud.

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.

[cloud.google.com/training](https://cloud.google.com/training)

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.



# Today's agenda



- 01 Introducing Google Cloud
- 02 Resources and Access in the Cloud
- 03 Virtual Machines and Networks in the Cloud
- 04 Storage in the Cloud
- 05 Containers in the Cloud
- 06 Applications in the Cloud

There are 6 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

*<Timings and breaks to be included on slide>*

# 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 Google Kubernetes Engine.
- 06 Identify the use cases for serverless Google Cloud services.



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.

## Hands-on labs

For each lab, Qwiklabs offers:

- A free 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 Google's QwikLabs platform. For each lab, Qwiklabs 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?