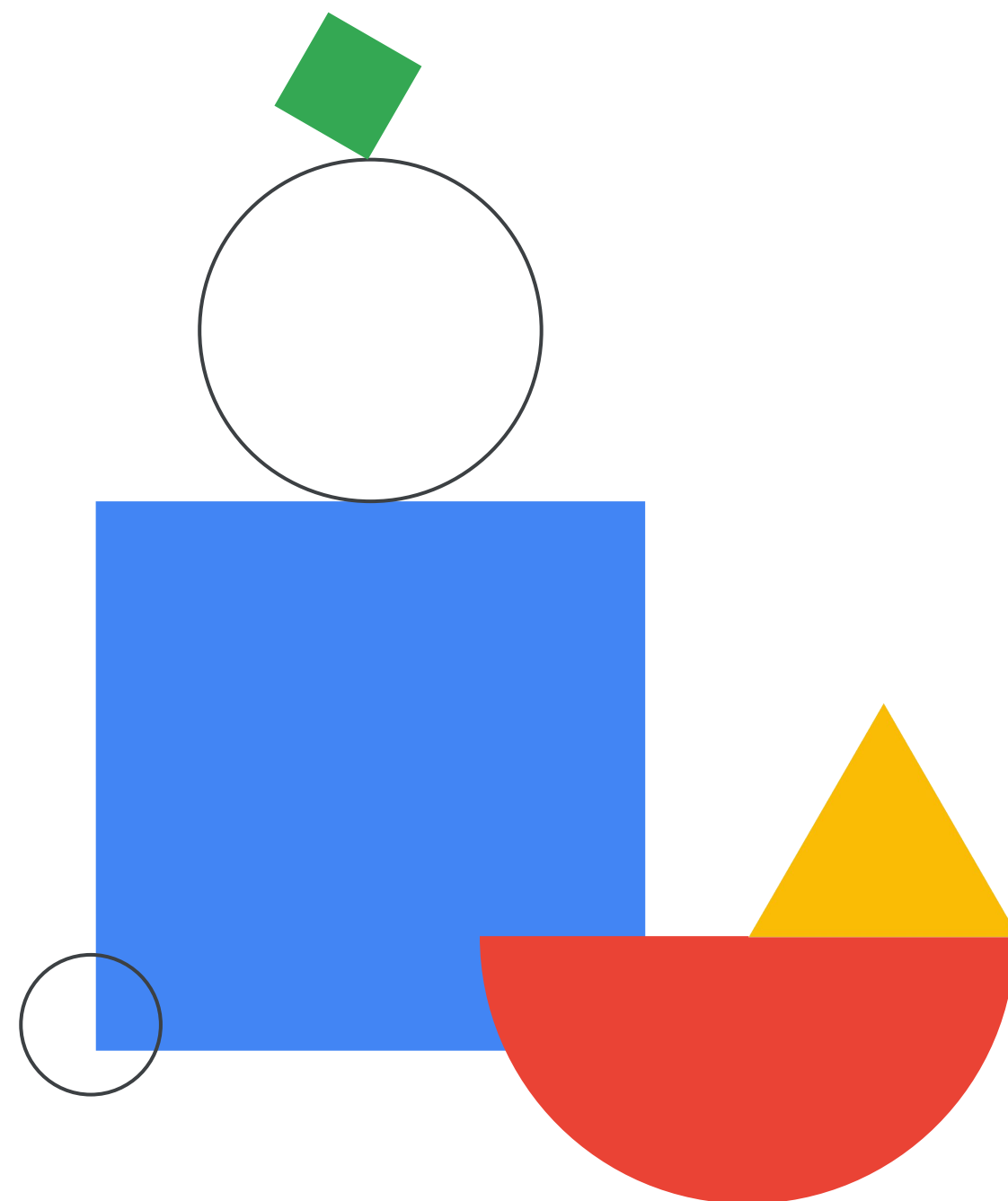




Interacting with Google Cloud



There are four ways to interact with Google Cloud

01

Google Cloud console

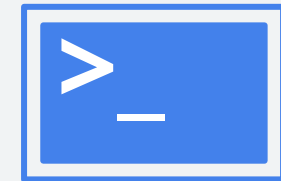
Web user interface



02

Cloud Shell and Google Cloud CLI

Command-line interface



03

REST-based API

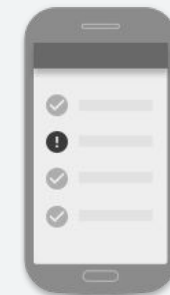
For custom applications



04


Cloud Mobile App

For iOS and Android



Google Cloud console, Cloud Shell and Google Cloud CLI

Google Cloud console



console.cloud.google.com



Cloud Shell

Google Cloud CLI

<input type="checkbox"/>	Name ^	Zone	Internal IP	External IP	Connect
<input type="checkbox"/>	✔ nginxstack-1	us-central1-f	10.128.0.3 (nic0)	35.238.84.245	SSH ▾ ⋮
<input type="checkbox"/>	✔ nginxstack-2	us-central1-f	10.128.0.4 (nic0)	35.225.177.18	SSH ▾ ⋮
<input type="checkbox"/>	✔ nginxstack-3	us-central1-f	10.128.0.2 (nic0)	35.239.250.238	SSH ▾ ⋮

\$ gcloud compute instances list

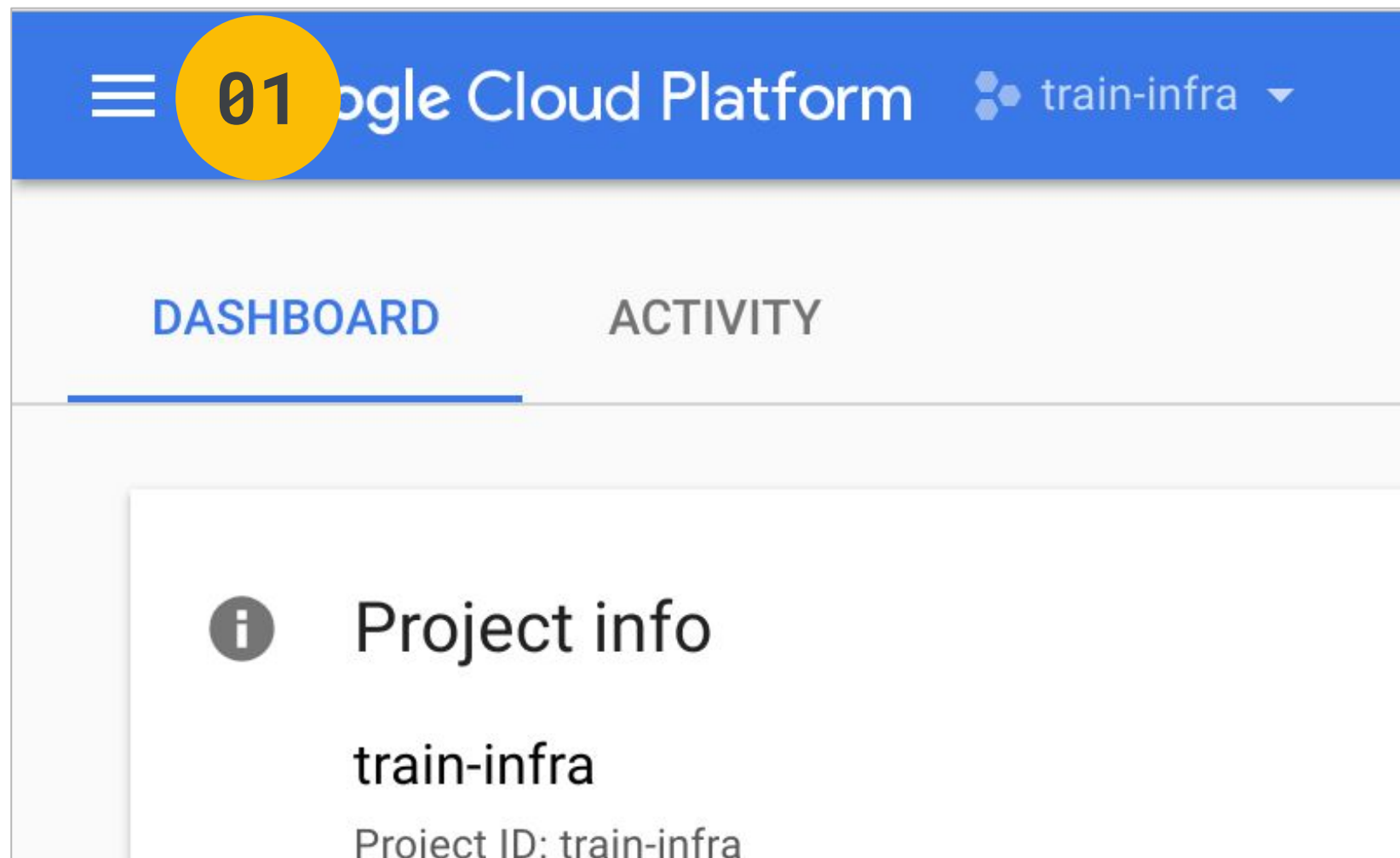
NAME	ZONE	INTERNAL_IP	EXTERNAL_IP
nginxstack-1	us-central1-f	10.128.0.3	35.238.84.245
nginxstack-2	us-central1-f	10.128.0.4	35.225.177.18
nginxstack-3	us-central1-f	10.128.0.2	35.239.250.238

How to interpret lab instructions

“On the Navigation menu, click Compute Engine > VM instances”

How to interpret lab instructions

“On the Navigation menu, click Compute Engine > VM instances”



How to interpret lab instructions

“On the Navigation menu, click Compute Engine > VM instances”

The screenshot displays the Google Cloud Platform console interface. The top navigation bar is blue and contains the Google Cloud Platform logo, the project name 'train-infra', and a dropdown arrow. A yellow circle with the number '01' highlights the hamburger menu icon. Below the navigation bar, there are two tabs: 'DASHBOARD' and 'ACTIVITY'. The 'DASHBOARD' tab is active, showing a 'Project info' card for the 'train-infra' project. To the right of the dashboard, the navigation menu is open, showing various services. A yellow circle with the number '02' highlights the 'Compute Engine' option. A second yellow circle with the number '03' highlights the 'VM instances' option in the sub-menu that appears next to 'Compute Engine'.

01 Google Cloud Platform train-infra

DASHBOARD ACTIVITY

Project info
train-infra
Project ID: train-infra

API APIs & services
Support
IAM & admin
Getting started

COMPUTE

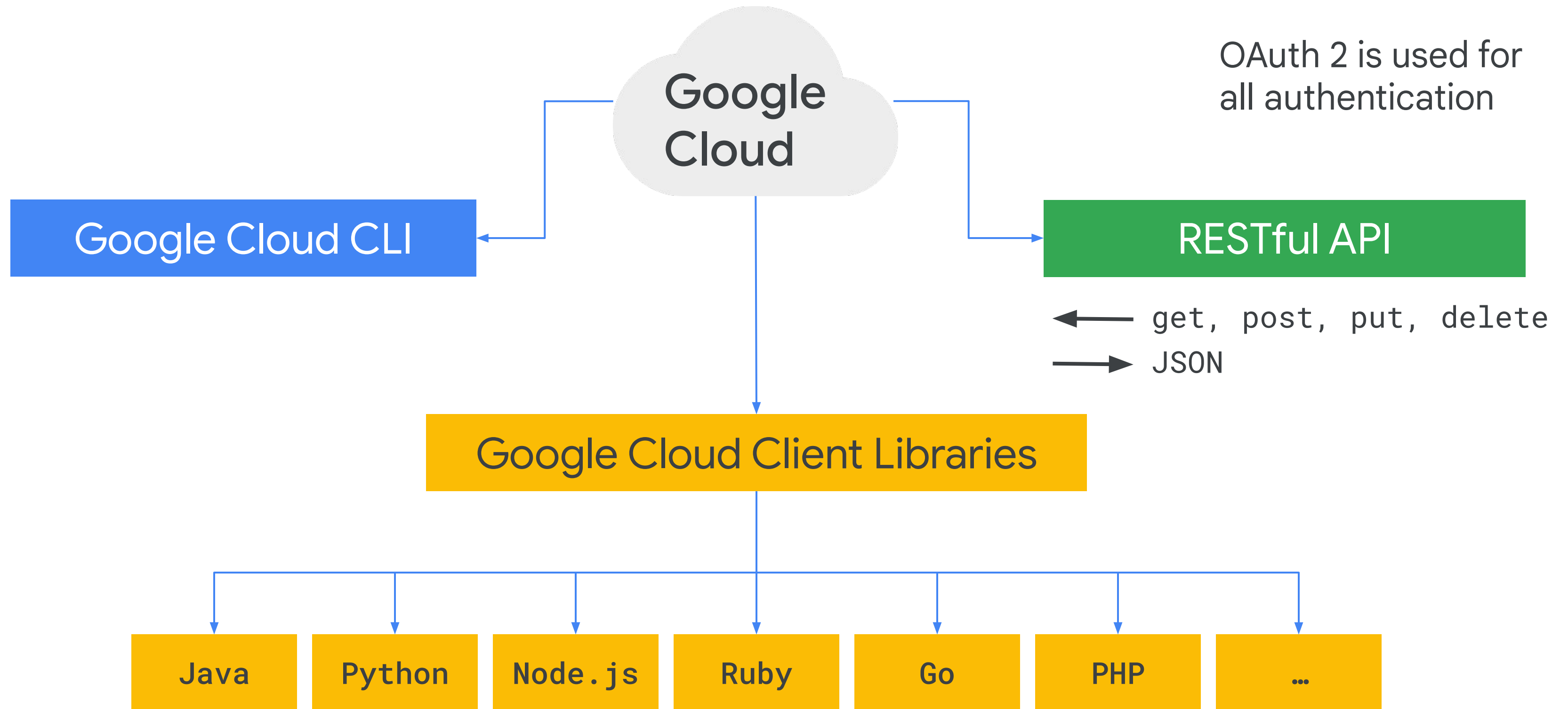
App Engine
Compute Engine 02
Container Engine
Cloud Functions

STORAGE

Bigtable

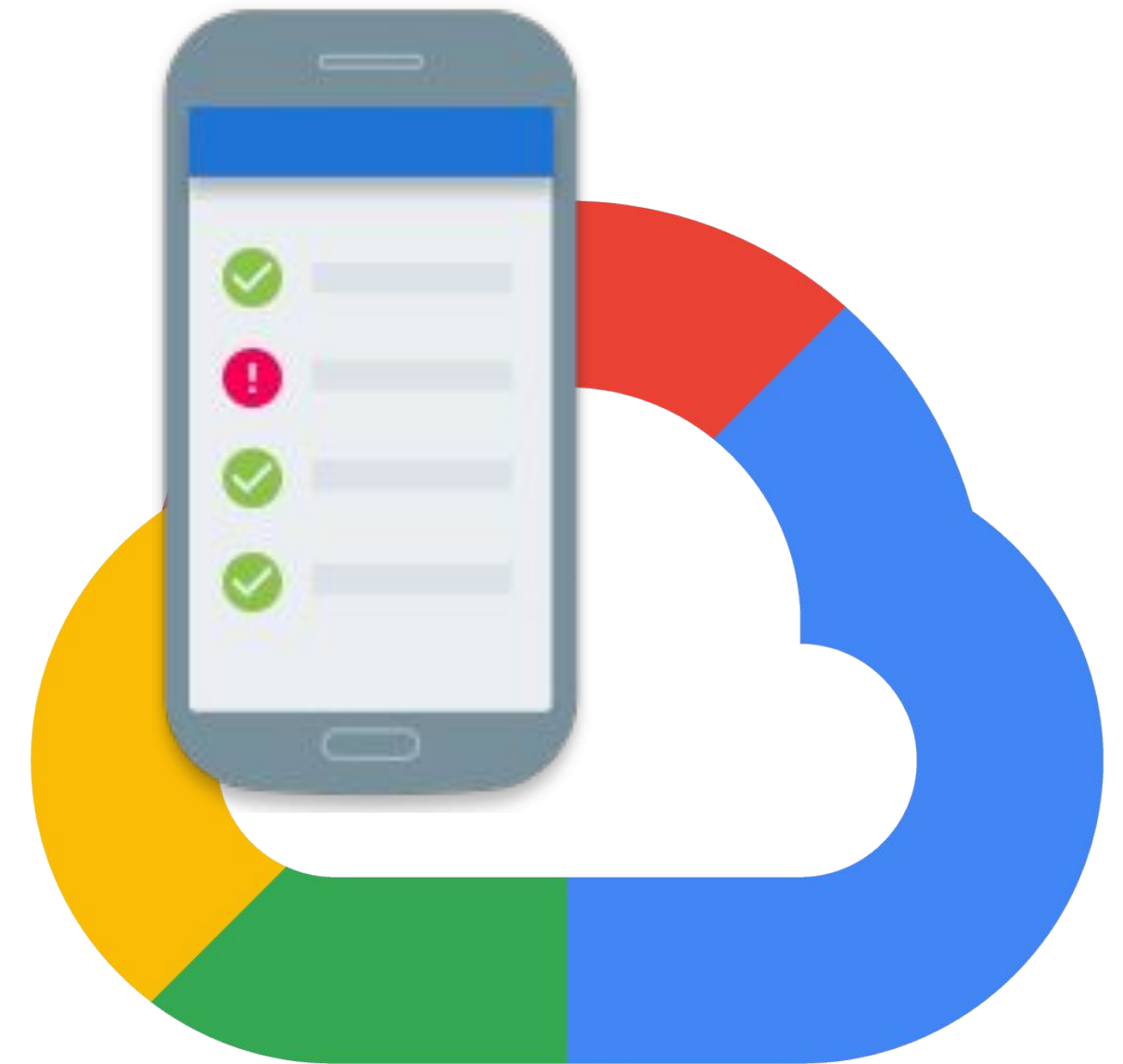
VM instances 03
Instance groups
Instance templates
Disks
Snapshots
Images
Committed use discounts

API interfaces



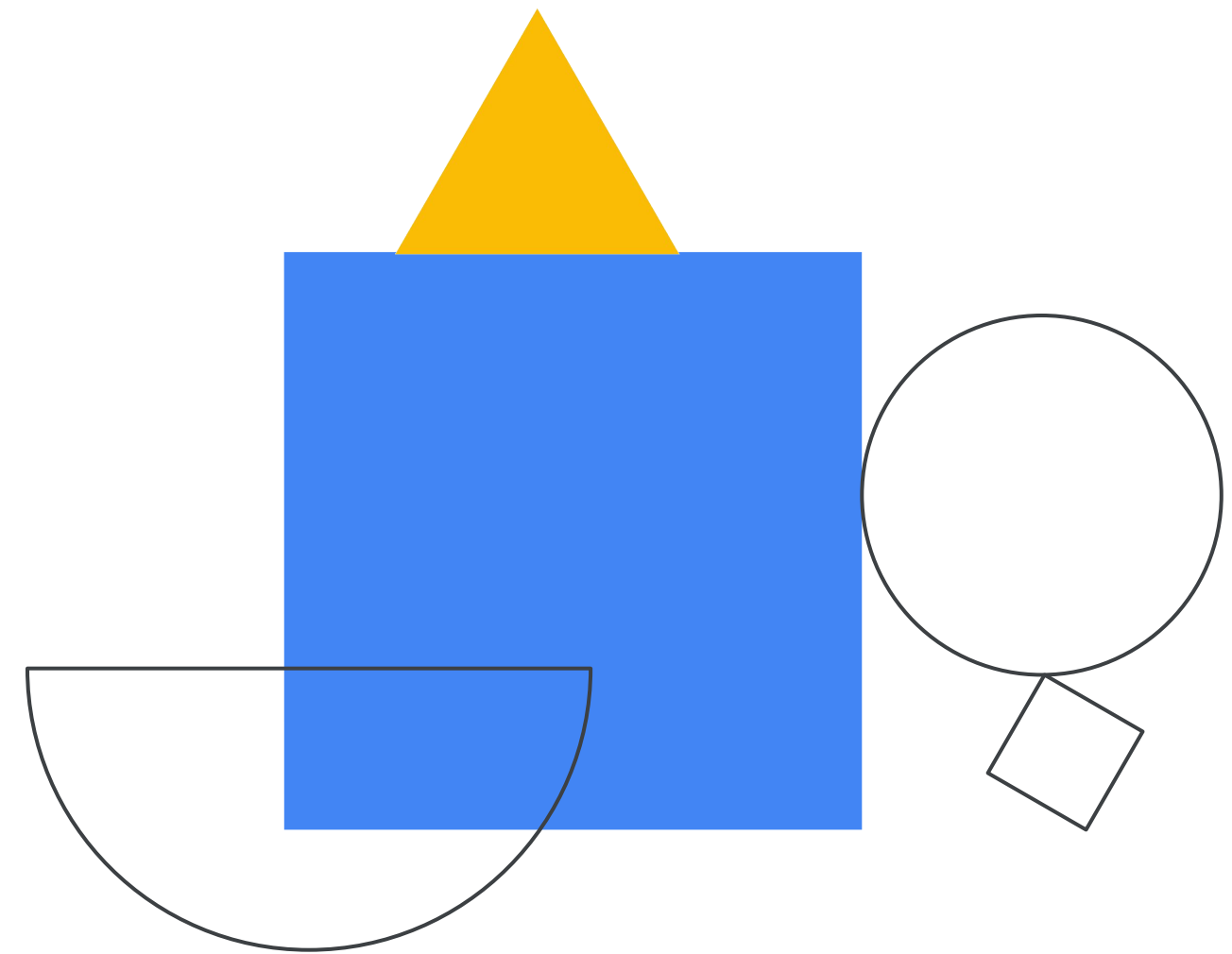
Cloud Mobile App

- Manage virtual machines and database instances.
- Manage apps in App Engine.
- Manage your billing.
- Visualize your projects with a customizable dashboard.



Lab Intro

Console and Cloud Shell



Lab objectives

01

Get access to Google Cloud

02

Create a Cloud Storage bucket using the Google Cloud console

03

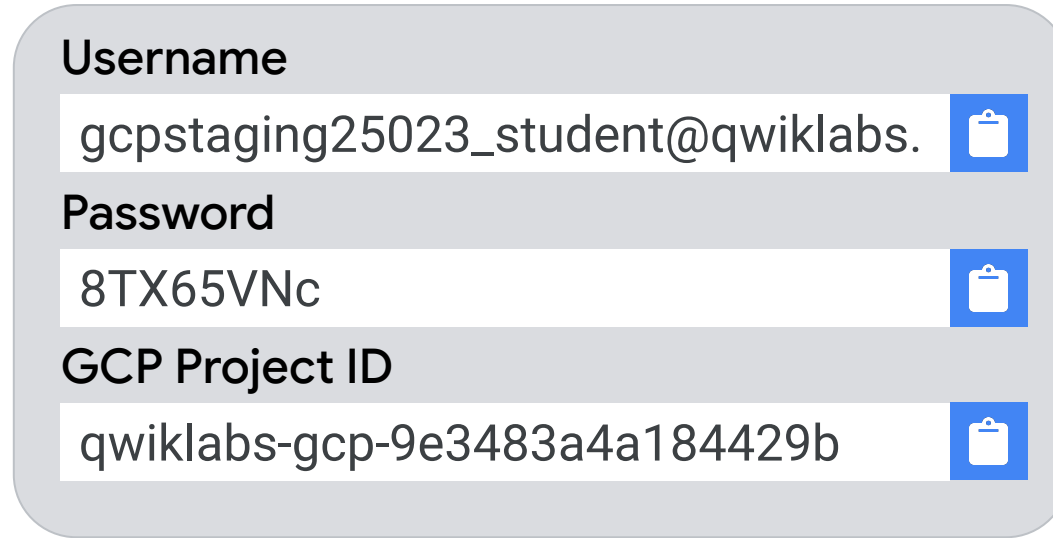
Create a Cloud Storage bucket using Cloud Shell

04

Become familiar with Cloud Shell features

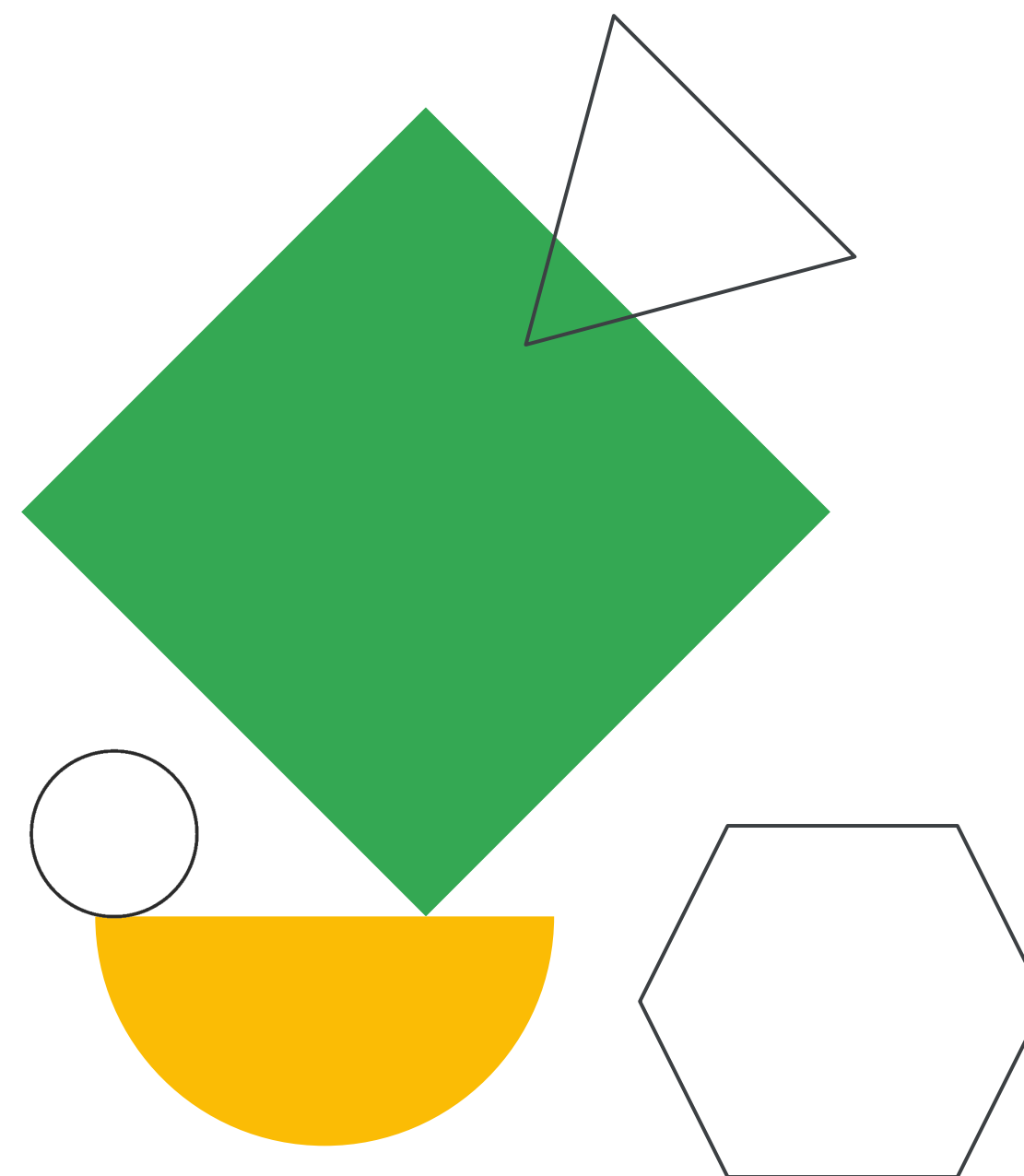


Run a lab

1. Click **Start Lab**
2. Note the connection details

3. Click **Open Google Console** and sign in using the provided credentials
4. Accept terms and note the project ID **qwiklabs-gcp-9e3483a4a184429b** ▼
5. Follow the lab instructions and when you are done click **End Lab**

Lab Intro

Infrastructure Preview



Lab objectives

01

Use Google Cloud Marketplace to build a Jenkins Continuous Integration environment

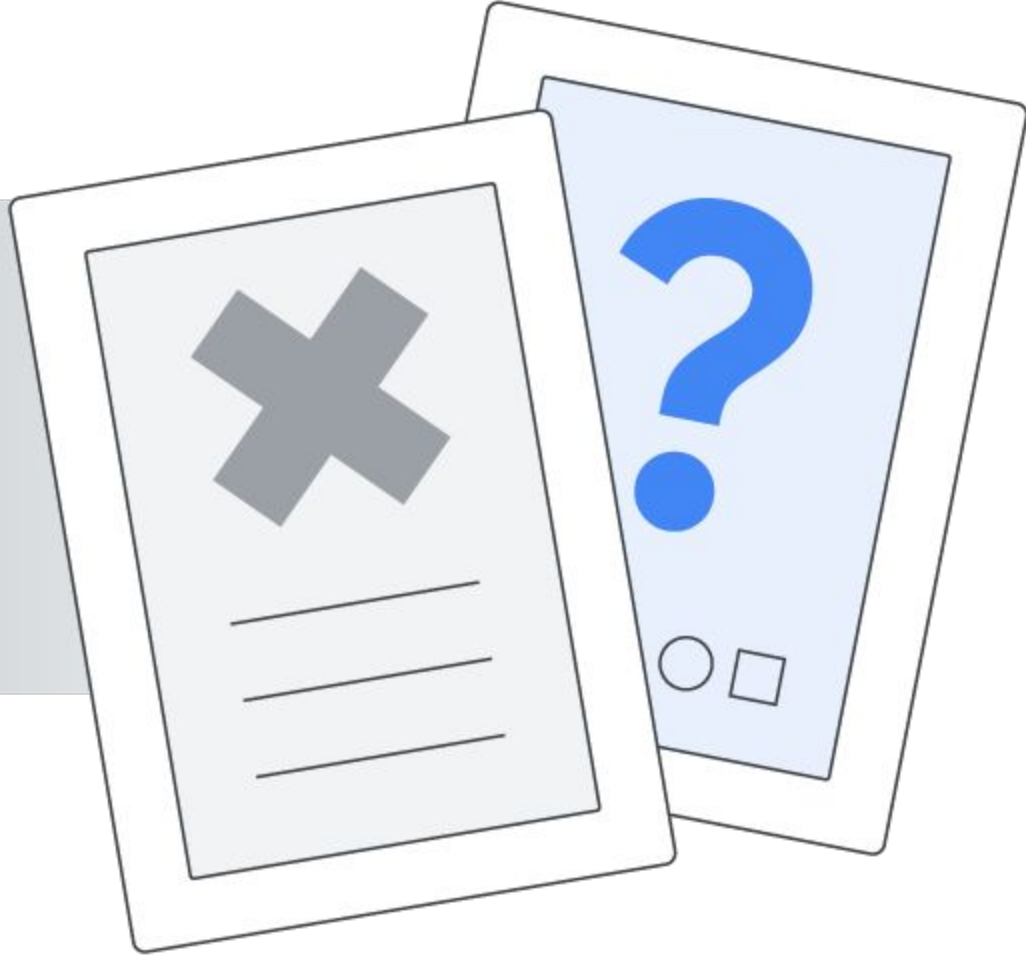
02

Verify that you can manage the service from the Jenkins UI

03

Administer the service from the Virtual Machine host through SSH





Quiz



Question #1

Question

Which of the following tools allow you to interact with Google Cloud (select 2)?

- A. The Google Cloud console which is a web-based, graphical user interface that you access through `console.cloud.google.com`
- B. Google Cloud Wi-Fi hotspot which is available in some cities
- C. The Google Cloud SDK which is a command-line interface that can be installed locally or accessed through Cloud Shell
- D. Google Cloud Operator which is a phone service that uses speech recognition to transmit your commands

Question #1

Answer

Which of the following tools allow you to interact with Google Cloud (select 2)?

- A. The Google Cloud console which is a web-based, graphical user interface that you access through `console.cloud.google.com`
- B. Google Cloud Wi-Fi hotspot which is available in some cities
- C. The Google Cloud SDK which is a command-line interface that can be installed locally or accessed through Cloud Shell
- D. Google Cloud Operator which is a phone service that uses speech recognition to transmit your commands



Question #2

Question

What is the difference between the Google Cloud console and Cloud Shell?

- A. The Google Cloud console is a command-line tool, while Cloud Shell is a graphical user interface
- B. Cloud Shell is a command-line tool, while the Google Cloud console is a graphical user interface
- C. Cloud Shell is a locally installed tool, while the Google Cloud console is a temporary virtual machine
- D. There is no difference as these tools are 100% identical

Question #2

Answer

What is the difference between the Google Cloud console and Cloud Shell?

- A. The Google Cloud console is a command-line tool, while Cloud Shell is a graphical user interface
- B. Cloud Shell is a command-line tool, while the Google Cloud console is a graphical user interface**
- C. Cloud Shell is a locally installed tool, while the Google Cloud console is a temporary virtual machine
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Review: Introduction to Google Cloud

