

The screenshot shows the Google Cloud Platform Dashboard for the project "qwiklabs-gcp-01-7225e1c4e4e2". The left sidebar lists various services like Billing, IAM & Admin, Marketplace, APIs & Services, Vertex AI, Compute Engine, Kubernetes Engine, Cloud Storage, Security, BigQuery, and Monitoring. The main area displays "Project info" (Project name: qwiklabs-gcp-01-7225e1c4e4e2), "API APIs" (Requests (requests/sec)), and "Google Cloud Platform status" (All services normal). A terminal window titled "(qwiklabs-gcp-01-7225e1c4e4e2) x" is open, showing a series of "Get" commands for files from archive.ubuntu.com. The output includes:

```
Get:1 http://archive.ubuntu.com/ubuntu/nobie/universe amd64 python3-distlib all 0.3.8-1 [318 kB]
Get:2 http://archive.ubuntu.com/ubuntu/nobie/universe amd64 python3-filelock all 3.13.1-1 [10.8 kB]
Get:3 http://archive.ubuntu.com/ubuntu/main amd64 python3-platformdirs all 2.0.0-1 [16.4 kB]
Get:4 http://archive.ubuntu.com/ubuntu/nobie/universe amd64 python3-wheel-whl all 0.42.0-2 [67.4 kB]
Get:5 http://archive.ubuntu.com/ubuntu/nobie/universe amd64 python3-virtualenv all 20.25.0+ds-2 [70.8 kB]
Fetched 486 kB in 3s (352 kB/s)
debconf: delaying package configuration, since apt-utils is not installed
Selecting previously unselected package python3-distlib.
(Reading database ... 128468 files and directories currently installed.)
Preparing to unpack .../0-python3-distlib_0.3.8-1_all.deb ...
Unpacking python3-distlib (0.3.8-1) ...
Selecting previously unselected package python3-filelock.
Preparing to unpack .../1-python3-filelock_3.13.1-1_all.deb ...
Unpacking python3-filelock (3.13.1-1) ...
Selecting previously unselected package python3-platformdirs.
Preparing to unpack .../2-python3-platformdirs_4.2.0-1_all.deb ...
Unpacking python3-platformdirs (4.2.0-1) ...
Selecting previously unselected package python3-wheel-whl.
Preparing to unpack .../3-python3-wheel-whl_0.42.0-2_all.deb ...
Unpacking python3-wheel-whl (0.42.0-2) ...
Selecting previously unselected package python3-virtualenv.
Preparing to unpack .../4-python3-virtualenv_20.25.0+ds-2_all.deb ...
Unpacking python3-virtualenv (20.25.0+ds-2) ...
Selecting previously unselected package virtualenv.
Preparing to unpack .../5-virtualenv_20.25.0+ds-2_all.deb ...
Unpacking virtualenv (20.25.0+ds-2) ...
Setting up python3-filelock (3.13.1-1) ...
Setting up python3-distlib (0.3.8-1) ...
Setting up python3-platformdirs (4.2.0-1) ...
Setting up python3-wheel-whl (0.42.0-2) ...
Setting up python3-virtualenv (20.25.0+ds-2) ...
Setting up virtualenv (20.25.0+ds-2) ...
Processing triggers for man-db (2.12.0-4build2) ...
student_03_61e1969f12c1@cloudshell:~ (qwiklabs-gcp-01-7225e1c4e4e2)$
```

This screenshot is identical to the one above, showing the Google Cloud Platform Dashboard and a terminal session in Cloud Shell. The terminal window shows the same sequence of "Get" commands for files from archive.ubuntu.com, indicating a repeat of the initial download attempt.

Chrome File Edit View History Bookmarks Profiles Tab Window Help

There's an API for that! - Pub... Untitled document - Google...

cloudskillsboost.google/parts/36/course\_templates/154/labs/532444

Error New Chrome available

Google Cloud Dashboard Explore Paths Subscriptions

Apply your skills in Google Cloud console Get started

Main menu

02 Google Cloud Computing Foundations: Infrastructure in Google Cloud

Course · 8 hours 3013% minutes complete

Pub/Sub

Lab Intro: Pub/Sub: Qwik Start - Python

Pub/Sub: Qwik Start - Python

Quiz

Summary

You can't secure the cloud, right?

End Lab 00:25:09

Create a topic.

Check my progress

Assessment Completed! Topic count: 1 Topic name(s): [MyTopic]

5. This command returns a list of all Pub/Sub topics in a given project:

```
python publisher.py $GOOGLE_CLOUD_PROJECT list
```

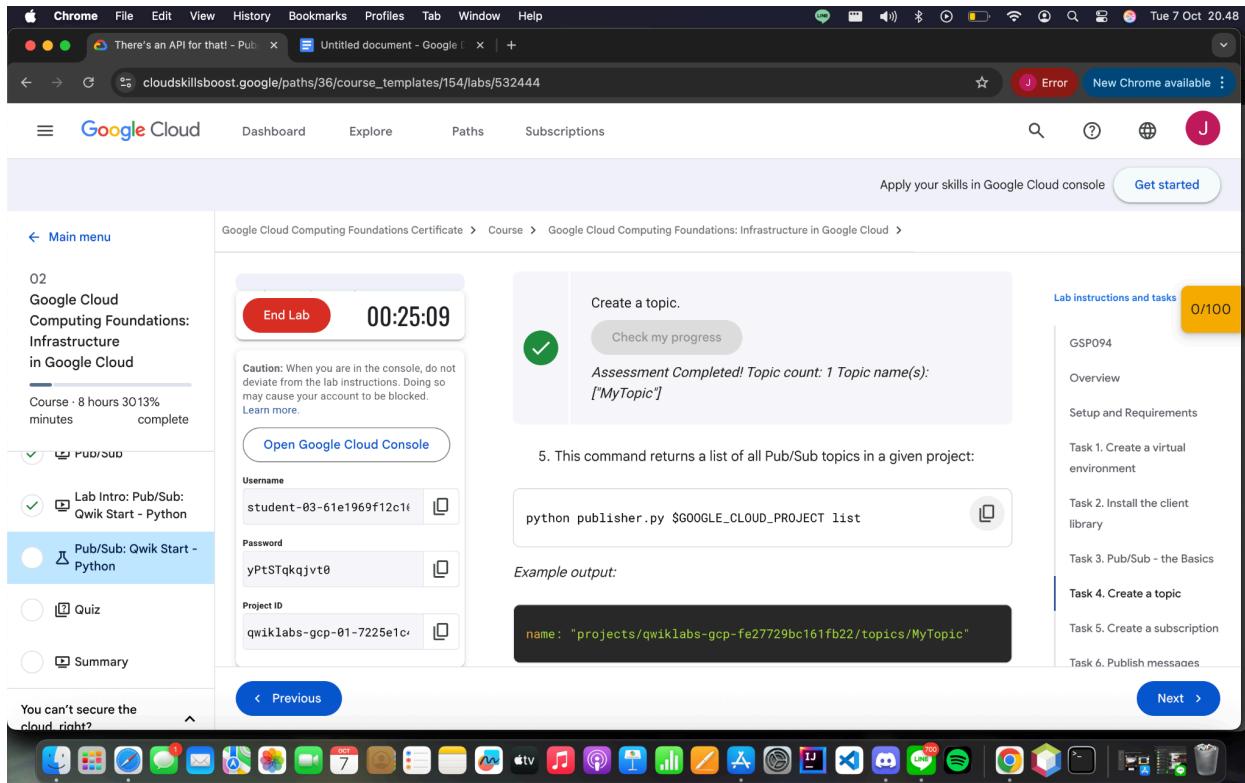
Example output:

```
name: "projects/qwiklabs-gcp-fe27729bc161fb22/topics/MyTopic"
```

Lab instructions and tasks 0/100

GSP094 Overview Setup and Requirements Task 1. Create a virtual environment Task 2. Install the client library Task 3. Pub/Sub - the Basics Task 4. Create a topic Task 5. Create a subscription Task 6. Publish messages

Next >



Dashboard - qwiklabs-gcp-01

console.cloud.google.com/home/dashboard?project=qwiklabs-gcp-01-7225e1c4e4e2&pli=1&cloudshell=true

Incognito New Chrome available

Google Cloud

Search (/) for resources, docs, products, and more

Search

Dashboard Activity Recommendations

Project info

Project name  
qwiklabs-gcp-01-7225e1c4e4e2

CLOUD SHELL Terminal (qwiklabs-gcp-01-7225e1c4e4e2) ✧ Gemini CLI ✧ +

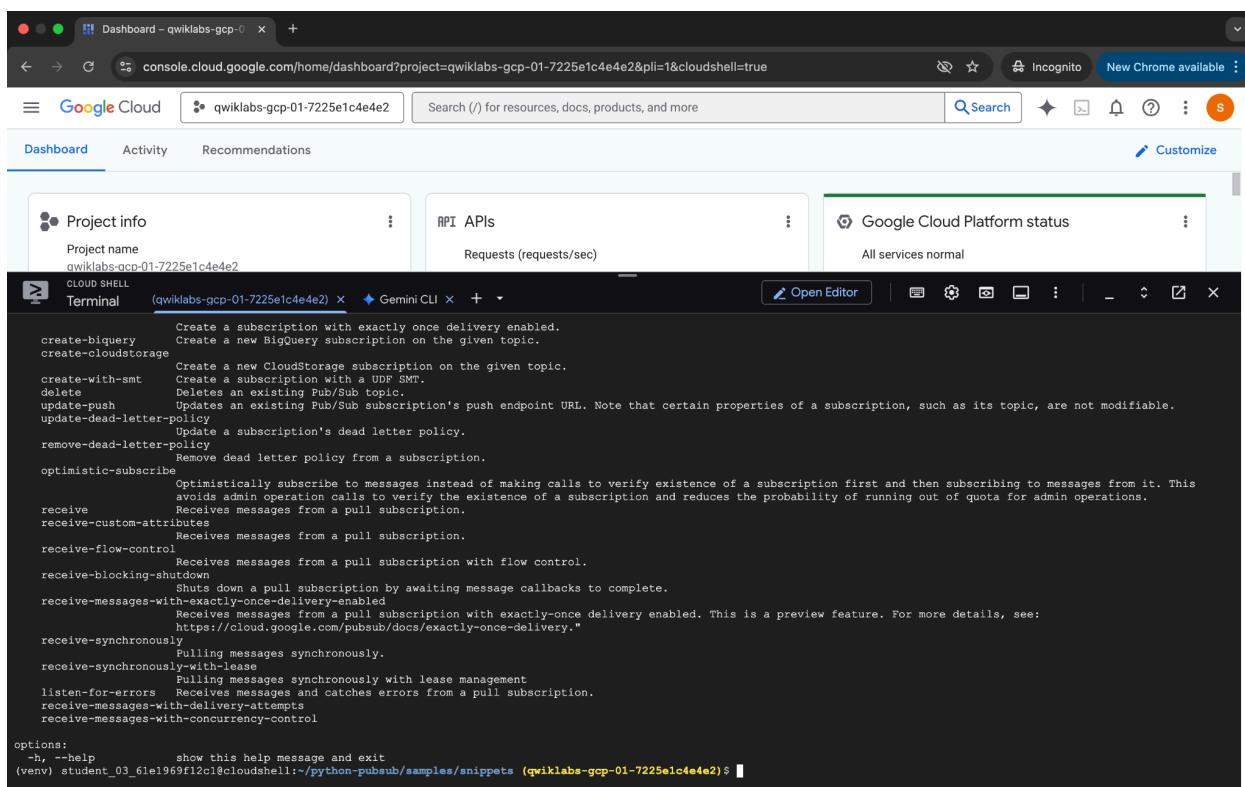
API APIs Requests (requests/sec)

Google Cloud Platform status All services normal

Open Editor

```
create-bigquery      Create a subscription with exactly once delivery enabled.
create-cloudstorage  Create a new BigQuery subscription on the given topic.
create-with-smt       Create a new CloudStorage subscription with a UDF SMT.
delete              Deletes an existing Pub/Sub topic.
update-push          Updates an existing Pub/Sub subscription's push endpoint URL. Note that certain properties of a subscription, such as its topic, are not modifiable.
update-dead-letter-policy  Update a subscription's dead letter policy.
remove-dead-letter-policy Remove dead letter policy from a subscription.
optimistic-subscribe Optimistically subscribe to messages instead of making calls to verify existence of a subscription first and then subscribing to messages from it. This avoids admin operation calls to verify the existence of a subscription and reduces the probability of running out of quota for admin operations.
receive             Recycles messages from a pull subscription.
receive-custom-attributes Receives messages from a pull subscription.
receive-flow-control Receives messages from a pull subscription with flow control.
receive-blocking-shutdown Shuts down a pull subscription by awaiting message callbacks to complete.
receive-messages-with-exactly-once-delivery-enabled Receives messages from a pull subscription with exactly-once delivery enabled. This is a preview feature. For more details, see: https://cloud.google.com/pubsub/docs/exactly-once-delivery."
receive-synchronously Pulling messages synchronously.
receive-synchronously-with-lease Pulling messages synchronously with lease management.
listen-for-errors    Receives messages and catches errors from a pull subscription.
receive-messages-with-delivery-attempts  Receives messages with delivery attempts.
receive-messages-with-concurrency-control

options:
-h, --help           show this help message and exit
(venv) student_03_61e1969f12c1@cloudshell:~/python-pubsub/samples/snippets (qwiklabs-gcp-01-7225e1c4e4e2)$
```



Chrome File Edit View History Bookmarks Profiles Tab Window Help

Untitled document - Google Docs | Google cloud zone deployment | +

cloudskillsboost.google/parts/36/course\_templates/154/labs/532444

J Error New Chrome available

Google Cloud Dashboard Explore Paths Subscriptions

Apply your skills in Google Cloud console Get started

Main menu

02 Google Cloud Computing Foundations: Infrastructure in Google Cloud

Course · 8 hours 3013% minutes complete

Introduction The purpose of APIs Apigee API Management Pub/Sub Lab Intro: Pub/Sub Qwik Start - Python

End Lab 00:21:28

Caution: When you are in the console, do not deviate from the lab instructions. Doing so may cause your account to be blocked. Learn more.

Open Google Cloud Console

Username student-03-61e1969f12c1e... Password yPtSTqkqjvt0 Project ID qwiklabs-gcp-01-7225e1c...

A \_\_\_\_\_ is a shared string that allows applications to connect with one another.

✓ topic  
 message  
 subscription

Submit

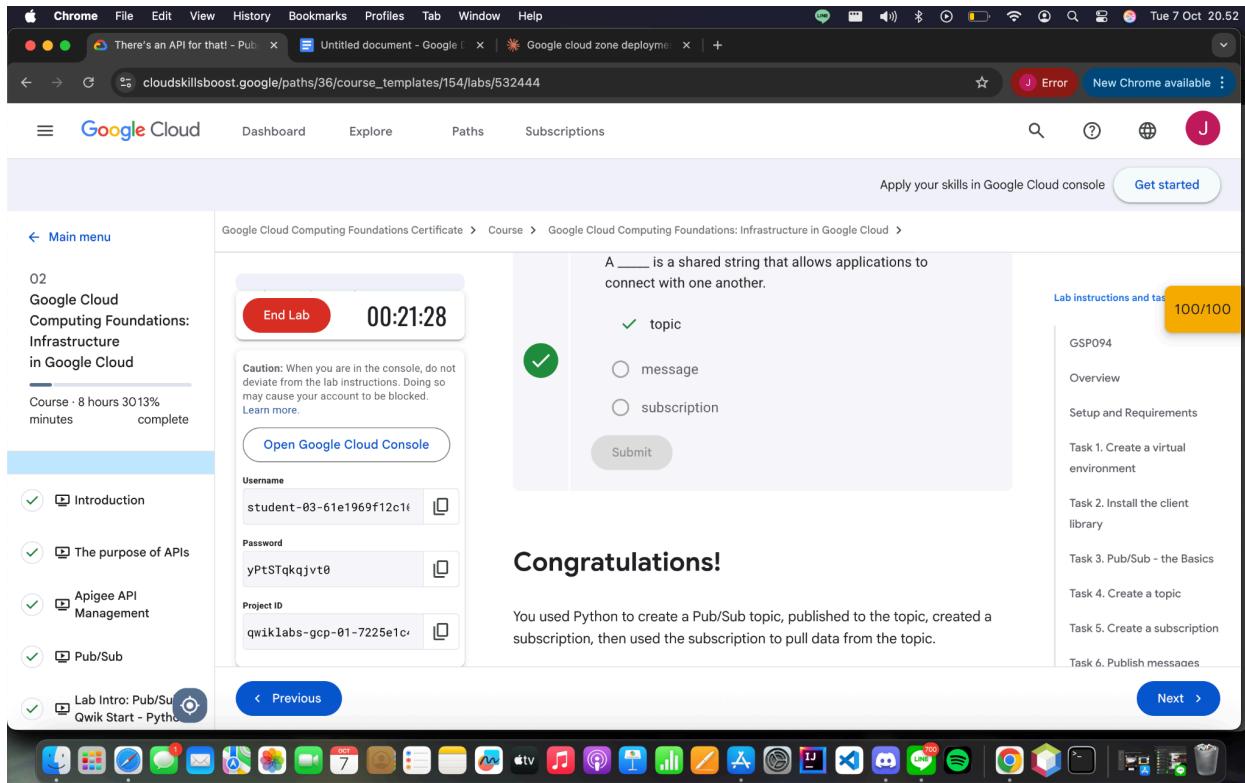
Lab instructions and tasks 100/100

GSP094 Overview Setup and Requirements Task 1. Create a virtual environment Task 2. Install the client library Task 3. Pub/Sub - the Basics Task 4. Create a topic Task 5. Create a subscription Task 6. Publish messages

Congratulations!

You used Python to create a Pub/Sub topic, published to the topic, created a subscription, then used the subscription to pull data from the topic.

Previous Next >



Chrome File Edit View History Bookmarks Profiles Tab Window Help

Untitled document - Google Docs | Google cloud zone deployment | +

cloudskillsboost.google/parts/36/course\_templates/154/quizzes/532445

J Error New Chrome available

Google Cloud Dashboard Explore Paths Subscriptions

Apply your skills in Google Cloud console Get started

Main menu

02 Google Cloud Computing Foundations: Infrastructure in Google Cloud

Course · 8 hours 3018% minutes complete

Pub/Sub: Qwik Start - Python Quiz Summary Introduction

Your score: 100% Passing score: 80%

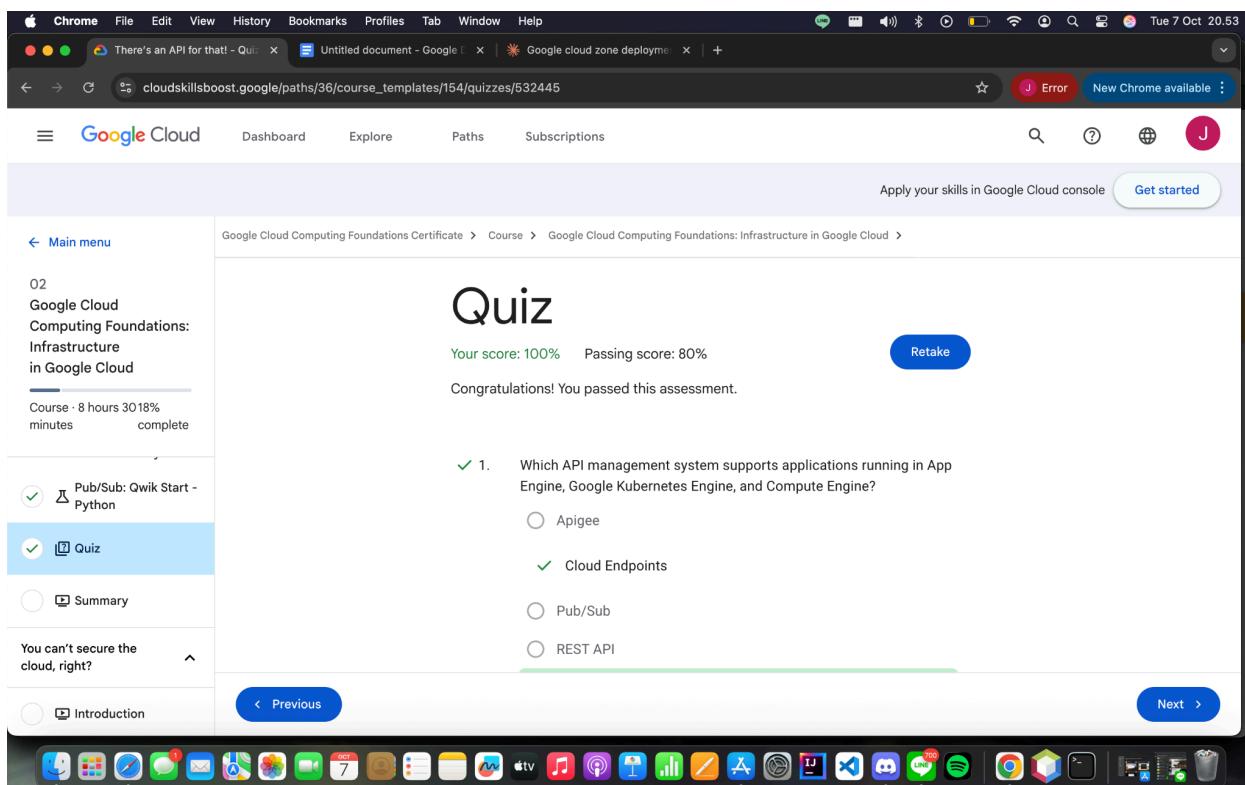
Retake

Congratulations! You passed this assessment.

✓ 1. Which API management system supports applications running in App Engine, Google Kubernetes Engine, and Compute Engine?

Apigee  
 Cloud Endpoints  
 Pub/Sub  
 REST API

Previous Next >



Chrome File Edit View History Bookmarks Profiles Tab Window Help

Tue 7 Oct 20.54

Untitled document - Google Docs | Google cloud zone deployment | +

cloudskillsboost.google/patterns/36/course\_templates/154/video/532447

Error New Chrome available

Google Cloud Dashboard Explore Paths Subscriptions

Apply your skills in Google Cloud console Get started

Main menu

02 Google Cloud Computing Foundations: Infrastructure in Google Cloud

Course · 8 hours 30 21% complete

Pub/Sub

Lab Intro: Pub/Sub: Qwik Start - Python

Pub/Sub: Qwik Start - Python

Quiz

Summary

You can't secure the cloud, right?

Module 6 - Security

Cloud Computing Foundations

0:05 / 1:17 Autoplay

Watch later Share Transcript

00:01 Welcome to module six of the Google Cloud Computing Foundations course: You can't secure the cloud, right?

00:07 In this section of the course, you'll learn about security best practices for the cloud.

00:14 This means that you'll: Outline how security is administered in Google Cloud, including the shared security model.

00:21 Explore the different encryption options with Google Cloud.

00:25 Identify best practices when you configure authentication and authorization with Identity and

Mark as completed → Next >

You can't secure the cloud, right? www.cloudskillsboost.google/patterns/36/course\_sessions/30593722/labs/532447

The screenshot shows a Google Cloud video player interface. On the left, there's a sidebar with a 'Main menu' containing sections like 'Google Cloud Computing Foundations: Infrastructure in Google Cloud' (marked as 8 hours 30 21% complete), 'Pub/Sub', 'Lab Intro: Pub/Sub: Qwik Start - Python', 'Pub/Sub: Qwik Start - Python', 'Quiz', and 'Summary'. The main content area displays a video player with a thumbnail for 'Introduction' and a transcript on the right. The transcript lists several points: 00:01 'Welcome to module six of the Google Cloud Computing Foundations course: You can't secure the cloud, right?', 00:07 'In this section of the course, you'll learn about security best practices for the cloud.', 00:14 'This means that you'll: Outline how security is administered in Google Cloud, including the shared security model.', 00:21 'Explore the different encryption options with Google Cloud.', and 00:25 'Identify best practices when you configure authentication and authorization with Identity and'. At the bottom, there are buttons for 'Mark as completed' and 'Next >'. The status bar at the top shows system information like battery level, signal strength, and the date/time (Tue 7 Oct 20.54).