

Cloud IAM Qwik Start

GSP064



- Google Cloud IAM unifies permissions management across all Google Cloud services through a consistent access control system.
- This lab demonstrates practical experience by signing in with Project Owner and Viewer credentials to observe permission differences.
- Hands-on tasks include assigning specific IAM roles to a second user for targeted resource access.
- You'll practice revoking assigned roles to remove permissions and maintain security boundaries.
- Master the core workflow of granting, testing, and removing IAM access controls effectively.

Set Up an App Dev Environment

https://partner.skills.google/parts/69/course_templates/637/labs/592543

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Associate Cloud Engineer > Set Up an App Dev Environment on Google Cloud > Cloud IAM: Qwik Start

Cloud IAM: Qwik Start

End Lab 01:07:16 Time limit

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Open Google Cloud console

Username 1: student-02-9a4bf3189b9e (Copy)

Username 2: student-02-fa4873dcfc94 (Copy)

Password: 63du0wcZQmsg (Copy)

GCP Project ID: qwiklabs-gcp-01-7769fae (Copy)

Contents

Task 1. Explore the IAM console and project level roles

1. Return to the Username 1 Cloud Console page.

2. Select **Navigation menu > IAM & Admin > IAM**. You are now in the "IAM & Admin" console.

3. Click **+GRANT ACCESS** button at the top of the page.

4. Scroll down to **Basic** in Select a role section and mouse over.

There are three roles:

- Editor
- Owner
- Viewer

These are *primitive roles* in Google Cloud. Primitive roles set project-level permissions and unless otherwise specified, they control access and management to all Google Cloud services.

0/100 Lab instructions and tasks

GSP064 Overview Setup and requirements Task 1. Explore the IAM console and project level roles Task 2. Prepare a Cloud Storage bucket for access testing Task 3. Remove project access Task 4. Add Cloud Storage permissions Congratulations!

Next >

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Dashboard – qwiklabs-gcp-01-7769faedad14 X +

https://console.cloud.google.com/home/dashboard?project=qwiklabs-gcp-01-7769faedad14&pli=1

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IAM

PAM

Security Insights Preview

Principal Access Boundary

Identity & Organization

Policy Troubleshooter

Policy Analyzer

Organization Policies

Service Accounts

Workload Identity Federation

Workforce Identity Federation

Labels

Tags

Settings

Privacy & Security

Identity-Aware Proxy

Roles

Audit logs

Manage Resources

Create a Project

Customize

API APIs Requests (requests/sec)

0.05/s
0.04/s
0.03/s
0.02/s
0.01/s
0

3:15 3:30 3:45 4 PM

● Requests: 0.029/s

Go to APIs overview

Google Cloud Platform status

All services normal

Go to Cloud status dashboard

Billing

Estimated charges USD \$0.00

For the billing period Dec 1 – 24, 2025

Take a tour of billing

View detailed charges

Monitoring

Create my dashboard

Set up alerting policies

Create uptime checks

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Microphone

Cloud

Folder

File Explorer

Task View

Firefox

VPN

PowerShell

Photoshop

Camera

Video Camera

File

Settings

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24-12-2025

IAM – IAM & Admin – qwiklabs-gcp-01-7769faedad14

https://console.cloud.google.com/iam-admin/iam?project=qwiklabs-gcp-01-7769faedad14

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Google Cloud Project: qwiklabs-gcp-01-7769faedad14

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IAM & Admin / IAM

IAM

Allow Deny Recommendations history

Permissions for project "qwiklabs-gcp-01-7769faedad14"

These permissions affect this project and all of its resources. [Learn more about IAM conditions](#)

[View by principals](#) [View by roles](#)

[Grant access](#) [Remove access](#)

[Filter](#) Enter property name or value

Type	Principal ↑
<input type="checkbox"/>	314232051268-compute@developer.gserviceaccount.com
<input type="checkbox"/>	admiral@qwiklabs-services-prod.iam.gserviceaccount.com
<input type="checkbox"/>	qwiklabs-gcp-01-7769faedad14@qwiklabs-gcp-01-

Grant access to "qwiklabs-gcp-01-7769faedad14"

Grant principals access to this resource and add roles to specify what actions the principals can take. Optionally, add conditions to grant access to principals only when a specific criteria is met. [Learn more about IAM conditions](#)

Resource

qwiklabs-gcp-01-7769faedad14

Add principals

Principals are users, groups, domains, or service accounts. [Learn more about principals in IAM](#)

New principals *

Enter at least one principal

Assign roles [Switch to classic view](#)

Roles are composed of sets of permissions and determine what the principal can do with this resource. [Learn more](#)

[+ Add roles](#)

[Help me choose roles](#)

Save **Cancel**

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IAM – IAM & Admin – qwiklabs-gcp-01-7769faedad14

https://console.cloud.google.com/iam-admin/iam?project=qwiklabs-gcp-01-7769faedad14

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Google Cloud Project: qwiklabs-gcp-01-7769faedad14

Search (/) for resources, docs, pr...

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IAM

Allow Deny Recommendations history

Permissions for project "qwiklabs-gcp-01-7769faedad14"

These permissions affect this project and all of its resources. [Learn more about IAM conditions](#)

[View by principals](#) [View by roles](#)

[Grant access](#) [Remove access](#)

[Filter](#) Enter property name or value

Type	Principal
<input type="checkbox"/>	314232051268-compute@developer.gserviceaccount.com
<input type="checkbox"/>	admiral@qwiklabs-services-prod.iam.gserviceaccount.com
<input type="checkbox"/>	qwiklabs-gcp-01-7769faedad14@qwiklabs-gcp-01-

Resource

Search Service, role or permission

Quick access Roles

Currently used Browser

Custom Editor

Basic Owner

Job function based Viewer

By product or service

Manage Roles

+ Add another role

Help me choose roles

Save Cancel

Grant access to "qwiklabs-gcp-01-7769faedad14"

principals can take. Optionally, add conditions to grant access to principals only when a specific criteria is met. [Learn more about IAM conditions](#)

e principal can

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Explore the editor role

Now switch to the **Username 2** console.

1. Navigate to the IAM & Admin console, select **Navigation menu > IAM & Admin > IAM**.

2. Search through the table to find Username 1 and Username 2 and examine the roles they are granted. The Username 1 and Username 2 roles are listed inline and to the right of each user.

You should see:

- Username 2 has the "Viewer" role granted to it.
- The **+GRANT ACCESS** button at the top is grayed out—if you try to click on it you get the message, "You need permissions for this action. Required permission(s): resource manager.projects.setiamPolicy".

This is one example of how IAM roles affect what you can and cannot do in Google Cloud.

3. Switch back to the **Username 1** console for the next step.

End Lab 00:59:40 Time limit

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Open Google Cloud console

Username 1: student-02-9a4bf3189b9e...

Username 2: student-02-fa4873dcfc94...

Password: 63du0wcZQmsg

GCP Project ID: qwiklabs-gcp-01-7769fae...

Lab instructions and tasks 0/100

GSP064 Overview Setup and requirements Task 1. Explore the IAM console and project level roles Task 2. Prepare a Cloud Storage bucket for access testing Task 3. Remove project access Task 4. Add Cloud Storage permissions Congratulations!

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qwiklabs-gcp-01-776... – Google

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Try Gemini Cloud
Assist chat
(Tip: use Alt G to open and close
the chat)

Chat now →

Quick access

API APIs & Services

Compute Engine

IAM – IAM & Admin – qwiklabs-gcp-1 IAM – IAM & Admin – qwiklabs-gcp-1

https://console.cloud.google.com/iam-admin/iam?authuser=1&project=qwiklabs-gcp-01-7769faedad14

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IAM & Admin / IAM

IAM

Allow Deny Recommendations history

Permissions for project "qwiklabs-gcp-01-7769faedad14"

These permissions affect this project and all of its resources. [Learn more](#)

Include Google-provided role grants

View by principals View by roles

+ Grant access - Remove access

You need permissions for this action.
Required permission(s):
qwiklabs-gcp-01-7769faedad14
resourcemanager.projects.setIamPolicy

View details

Name	Role	Security insights
developer.gserviceaccount.com	Compute Engine default service account	Editor
s-prod.iam.gserviceaccount.com		Owner
qwiklabs-gcp-01-7769faedad14@qwiklabs-gcp-01-7769faedad14.iam.gserviceaccount.com	Qwiklabs User Service Account	BigQuery Admin
		Owner
		Storage Admin
student-02-9a4bf3189b9e@qwiklabs.net	App Engine Admin	

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End Lab 00:56:01 Time limit

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 1: student-02-9a4bf3189b9e (Copy)

Username 2: student-02-fa4873dcfc94 (Copy)

Password: 63du0wcZQmsg (Copy)

GCP Project ID: qwiklabs-gcp-01-7769fae (Copy)

Task 2. Prepare a Cloud Storage bucket for access testing

Ensure that you are in the **Username 1** Cloud Console.

Create a bucket

1. Create a Cloud Storage bucket with a unique name. From the Cloud Console, select **Navigation menu > Cloud Storage > Buckets**.
2. Click **+CREATE**.

Note: If you get a permissions error for bucket creation, sign out and then sign in back in with the **Username 1** credentials.

3. Update the following fields, leave all others at their default values:

Property	Value
----------	-------

0/100 Lab instructions and tasks

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https://console.cloud.google.com/storage/browser?project=qwiklabs-gcp-01-7769faedad14

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Type	Principal	Name	Role	Security insights
314232051268-compute@developer.gserviceaccount.com	Compute Engine default service account	Editor		
admiral@qwiklabs-services-prod.iam.gserviceaccount.com		Owner		
qwiklabs-gcp-01-7769faedad14@qwiklabs-gcp-01-7769faedad14.iam.gserviceaccount.com	Qwiklabs User Service Account	BigQuery Admin		
		Owner		
		Storage Admin		
	student 8cc41a7e@qwiklabs.net	App Engine Admin		

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Dashboard Catalog Paths Collections

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Open Google Cloud console

Username 1: student-02-9a4bf3189b9e (Copy)

Username 2: student-02-fa4873dcfc94 (Copy)

Password: 63du0wcZQmsg (Copy)

GCP Project ID: qwiklabs-gcp-01-7769fae (Copy)

0/100 Lab instructions and tasks

0SP064 Overview Setup and requirements Task 1. Explore the IAM console and project level roles Task 2. Prepare a Cloud Storage bucket for access testing Task 3. Remove project access Task 4. Add Cloud Storage permissions Congratulations!

1. Create a Cloud Storage bucket with a unique name. From the Cloud Console, select **Navigation menu > Cloud Storage > Buckets**.

2. Click **+CREATE**.

Note: If you get a permissions error for bucket creation, sign out and then sign in back in with the Username 1 credentials.

3. Update the following fields, leave all others at their default values:

Property	Value
Name:	<i>globally unique name (create it yourself) and click CONTINUE.</i>
Location Type:	Multi-Region

Note the bucket name. You will use it in a later step.

4. Click **CREATE**.

5. If prompted, Public access will be prevented, click **Confirm**.

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Create a bucket – Cloud Storage IAM – IAM & Admin – qwiklabs-gcp-01-7769faedad14

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Cloud Storage Create a bucket

Get Started

Pick a globally unique, permanent name. [Naming guidelines](#)

student029a4bf3189b9eqwiklabs

Tip: Don't include any sensitive information

Labels (optional)

Continue

Choose where to store your data

This choice defines the geographic placement of your data and affects cost, performance, and availability. Cannot be changed later. [Learn more](#)

Only locations allowed by the organization's resource location policy can be selected.

Location type

Multi-region Highest availability across largest area

us (multiple regions in United States)

Good to know

Location pricing

Storage rates vary depending on the storage class of your data and location of your bucket. [Pricing details](#)

Current configuration: Multi-region / Standard

Item	Cost
us (multiple regions in United States)	\$0.026 per GB-month
With default replication	\$0.020 per GB written

[Estimate your monthly cost](#)

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Create a bucket – Cloud Storage IAM – IAM & Admin – qwiklabs-gcp-01-7769faedad14

https://console.cloud.google.com/storage/create-bucket?project=qwiklabs-gcp-01-7769faedad14

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Cloud Storage Create a bucket

Choose where to store your data

This choice defines the geographic placement of your data and affects cost, performance, and availability. Cannot be changed later. [Learn more](#)

Only locations allowed by the organization's resource location policy can be selected.

Location type

Multi-region
Highest availability across largest area

us (multiple regions in United States)

Add cross-bucket replication via Storage Transfer Service
As data is added or changed, replicate it to another bucket, enabling you to store a copy that follows different bucket settings - e.g., region, storage class, etc. [Learn more](#)

Dual-region
High availability and low latency across 2 regions

Region
Lowest latency within a single region

[Continue](#)

Storage rates vary depending on the storage class of your data and location of your bucket. [Pricing details](#)

Current configuration: Multi-region / Standard

Item	Cost
us (multiple regions in United States)	\$0.026 per GB-month
With default replication	\$0.020 per GB written

[Estimate your monthly cost](#)

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Create a bucket – Cloud Storage IAM – IAM & Admin – qwiklabs-gcp-01-7769faedad14

https://console.cloud.google.com/storage/create-bucket?project=qwiklabs-gcp-01-7769faedad14

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Google Cloud qwiklabs-gcp-01-7769faedad14 Search (/) for resources, docs, products, and more Search

Cloud Storage Create a bucket

Name: student029a4bf3189b9eqwiklabs

Choose where to store your data

Location: us (multiple regions in North America)

Location type: Multi-region

Choose how to store your data

Default storage class: Standard

Hierarchical namespace: Disabled

Anywhere Cache: Disabled

Choose how to control access

Public access prevention: On

Access control: Uniform

Choose how to protect data

Soft delete policy: Default

Object versioning: Disabled

Bucket retention policy: Disabled

Object retention: Disabled

Encryption type: Google-managed

Processing... Cancel

Public access will be prevented

This bucket is set to prevent exposure of its data on the public internet.

Keep this setting enabled unless you have a use case that requires public access (such as static website hosting). You can change it now or later. [Learn more](#)

Enforce public access prevention on this bucket

Don't show this message again

Cancel Confirm

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Cloud IAM: Qwik Start

back in with the Username 1 credentials.

End Lab 00:51:21 Time limit

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Open Google Cloud console

Username 1: student-02-9a4bf3189b9e (copy)

Username 2: student-02-fa4873dcfc94 (copy)

Password: 63du0wcZQmsg (copy)

GCP Project ID: qwiklabs-gcp-01-7769fae (copy)

Upload a sample file

1. On the Bucket Details page click **UPLOAD FILES**.
2. Browse your computer to find a file to use. Any text or html file will do.
3. Click on the three dots at the end of the line containing the file and click **Rename**.
4. Rename the file 'sample.txt'.
5. Click **RENAME**.

Click **Check my progress** to verify the objective.

Create a bucket and upload a sample file

Check my progress

Assessment Completed!

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https://console.cloud.google.com/storage/browser/student029a4bf3189b9eqwiklabs;tab=objects?project=qwiklabs-gcp-01-7769faedad14&prefi... | 1

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Cloud Storage Bucket details Edit bucket Go to path Refresh

Overview Buckets Monitoring Settings

Storage Intelligence Insights datasets Configuration

Objects Configuration Permissions Protection Lifecycle Observability New Inventory Reports Operations

student029a4bf3189b9eqwiklabs

Location us (multiple regions in United States) Storage class Standard Public access Not public Protection Soft Delete

Folder browser Buckets > student029a4bf3189b9eqwiklabs Create folder Upload Transfer data Other services Learn

Filter by name prefix Upload files Filter objects and folders Show Live objects only

Upload folder Name Size Created Last modified Storage class Public access Version history

No rows to display

Marketplace Release Notes

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https://console.cloud.google.com/storage/browser/student029a4bf3189b9eqwiklabs;tab=objects?project=qwiklabs-gcp-01-7769faedad14&prefi... | 1

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Cloud Storage Bucket details Edit bucket Go to path Refresh

Overview Buckets Monitoring Settings

Storage Intelligence Insights datasets Configuration

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console.cloud.google.com wants to open

disk-g > gcp > dc-internshipwork > month-2 > Set Up an App Dev Environment on Google Cloud

Organize New folder

Name	Date modified	Type	Size
Cloud IAM Qwik Start	24-12-2025 03:55 PM	Microsoft PowerPo...	0 KB
Cloud Storage Qwik Start - CLISDK	02-12-2025 09:44 PM	Microsoft PowerPo...	10,115 KB
Cloud Storage Qwik Start - Cloud Console	01-12-2025 05:49 AM	Microsoft PowerPo...	10,089 KB
kitten	01-12-2025 05:35 AM	PNG File	130 KB
sample.txt	24-12-2025 03:56 PM	Text Document	1 KB
Set Up an App Dev Environment on Goo...	03-12-2025 02:44 PM	Microsoft PowerPo...	8,486 KB

File name: sample.txt All Files Open Cancel

Learn

only Version history

ENG IN 04:22 PM 24-12-2025

The screenshot shows a Google Cloud Storage browser interface. A modal dialog is open, prompting for a file selection. The dialog title is "console.cloud.google.com wants to open". Inside, it shows a file tree under "Set Up an App Dev Environment on Google Cloud" and a list of files. The file "sample.txt" is selected and highlighted. At the bottom, there's a "File name:" input field with "sample.txt", an "All Files" dropdown, and "Open" and "Cancel" buttons. The background shows the main Google Cloud Storage dashboard with the "Buckets" tab selected.

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https://console.cloud.google.com/storage/browser/student029a4bf3189b9eqwiklabs;tab=objects?project=qwiklabs-gcp-01-7769faedad14&prefi... | 1

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Cloud Storage Bucket details Edit bucket Go to path Refresh

Overview Buckets Monitoring Settings

Storage Intelligence Insights datasets Configuration

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Cloud Storage Bucket details

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Location us (multiple regions in United States) Storage class Standard Public access Not public Protection Soft Delete

Objects Configuration Permissions Protection Lifecycle Observability New Inventory Reports Operations

Folder browser Buckets > student029a4bf3189b9eqwiklabs Create folder Upload Transfer data Other services Learn

Filter by name prefix only Filter Filter objects and folders Show Live objects only

Name	Size	Type	Created	Storage class	Last modified
sample.txt	37 B	text/plain	Dec 24, 2025, 4:23:12PM	Standard	Dec 24, 2025, 4:23:12PM

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End Lab 00:51:04 Time limit

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Open Google Cloud console

Username 1: student-02-9a4bf3189b9e (Copy)

Username 2: student-02-fa4873dcfc94 (Copy)

Password: 63du0wcZQmsg (Copy)

GCP Project ID: qwiklabs-gcp-01-7769fae (Copy)

Click **Check my progress** to verify the objective.

Create a bucket and upload a sample file

Check my progress

Assessment Completed!

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Verify project viewer access

1. Switch to the **Username 2** console.
2. From the Console, select **Navigation menu > Cloud Storage > Buckets**. Verify that this user can see the bucket.

Username 2 has the "Viewer" role prescribed which allows them read-only actions that do not affect state. This example illustrates this feature—they can view Cloud Storage buckets and files that are hosted in the Google Cloud project that they've been granted access to.

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student029...eqwiklabs – Cloud Storage Buckets – Cloud Storage – qwiklab +

https://console.cloud.google.com/storage/browser?authuser=1&project=qwiklabs-gcp-01-7769faedad14&prefix=&forceOnBucketsSortingFilteri... | 1

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Cloud Storage Buckets + Create Refresh

Overview Filter Filter buckets

Buckets Name ↑ Created Location type Location Default storage

student029a4bf3189b9eqwiklabs Dec 24, 2025, 4:21:38 PM Multi-region us Standard

This account is managed by qwiklabs.net.
[Learn more](#)

 student 36a300ce
student-02-fa4873dcfc94@qwiklabs.net
[Privacy](#)

 student 8cc41a7e
student-02-9a4bf3189b9e@qwiklabs.net

Add account Sign out

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Cloud IAM: Qwik Start

End Lab 00:50:23 Time limit

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Open Google Cloud console

Username 1: student-02-9a4bf3189b9e (copy)

Username 2: student-02-fa4873dcfc94 (copy)

Password: 63du0wcZQmsg (copy)

GCP Project ID: qwiklabs-gcp-01-7769fae (copy)

Task 3. Remove project access

Switch to the **Username 1** console.

Remove Project Viewer for Username 2

1. Select **Navigation menu > IAM & Admin > IAM**. Then click the pencil icon inline and to the right of **Username 2**.

Note: You may have to widen the screen to see the pencil icon.

2. Remove Project Viewer access for **Username 2** by clicking the trashcan icon next to the role name. Then click **SAVE**.

Notice that the user has disappeared from the Member list! The user has no access now.

Note: It can take up to 80 seconds for such a change to take effect as it propagates. Read more about Google Cloud IAM in the [Google Cloud IAM Resource Documentation](#), [Frequently asked questions](#).

20/100

Lab instructions and tasks

GSP064

Overview

Setup and requirements

Task 1. Explore the IAM console and project level roles

Task 2. Prepare a Cloud Storage bucket for access testing

Task 3. Remove project access

Task 4. Add Cloud Storage permissions

Congratulations!

Next >

< Previous

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IAM – IAM & Admin – qwiklabs-gcp-01-7769faedad14 Buckets – Cloud Storage – qwiklabs-gcp-01-7769faedad14

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Google Cloud Project: qwiklabs-gcp-01-7769faedad14

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

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IAM & Admin / IAM

IAM

Allow Deny Recommendations history

Permissions for project "qwiklabs-gcp-01-7769faedad14"

These permissions affect this project and all of its resources. [Learn more](#)

Include Google-provided role grants

View by principals View by roles

Grant access Remove access

Filter student-02-fa4873dcfc94@qwiklabs.net Enter property name or value

Type	Principal ↑	Name	Role	Security insights
<input type="checkbox"/>	<input type="checkbox"/> student-02-fa4873dcfc94@qwiklabs.net		Viewer	<input type="button" value=""/>

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Include Google-provided role grants

View by principals View by roles

Grant access Remove access

Filter student-02-fa4873dcfc94@qwiklabs.net Enter property name or value

Type	Principal ↑	Name	Role	Security insights
<input type="checkbox"/>	<input type="checkbox"/> student-02-fa4873dcfc94@qwiklabs.net		Viewer	Edit principal

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IAM

Allow Deny Recommendations history

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These permissions affect this project and all of its resources. [Learn more](#)

View by principals View by roles

Grant access Remove access

Filter student-02-fa4873dcfc94@qwiklabs.net

Type Principal ↑

student-02-fa4873dcfc94@qwiklabs.net

Edit access to "qwiklabs-gcp-01-7769faedad14"

Principal student-02-fa4873dcfc94@qwiklabs.net Project qwiklabs-gcp-01-7769faedad14

Assign roles [Switch to new experience](#)

Roles are composed of sets of permissions and determine what the principal can do with this resource. [Learn more](#)

Role Viewer IAM condition (optional)

+ Add IAM condition Delete role 1

+ Add another role

Help me choose roles

Save Test changes Cancel

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Google Cloud Project: qwiklabs-gcp-01-7769faedad14 Search (/) for resources

IAM & Admin / IAM

IAM

Allow Deny Recommendations history

Permissions for project "qwiklabs-gcp-01-7769faedad14"

These permissions affect this project and all of its resources. [Learn more](#)

View by principals View by roles

+ Grant access - Remove access

Filter student-02-fa4873dcfc94@qwiklabs.net

Type Principal ↑

student-02-fa4873dcfc94@qwiklabs.net

Edit access to "qwiklabs-gcp-01-7769faedad14"

Principal student-02-fa4873dcfc94@qwiklabs.net Project qwiklabs-gcp-01-7769faedad14

Assign roles

Roles are composed of sets of permissions and determine what the principal can do with this resource. [Learn more](#)

+ Add role Help me choose roles

Save Test changes Cancel

Summary of changes

Test changes

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IAM – IAM & Admin – qwiklabs-gcp-| Buckets – Cloud Storage – Google Cloud +

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Google Cloud Select a project Search (/) for resources, docs, products, and more Search

Cloud Storage Buckets

Overview Buckets Monitoring Settings

To view this page, select a project. Create project

Storage Intelligence Insights datasets Configuration Marketplace Release Notes

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04:30 PM 24-12-2025 ENG IN

The screenshot shows the Google Cloud Storage Buckets page. On the left, a sidebar lists various services: Overview, Buckets (selected), Monitoring, Settings, Storage Intelligence (with Insights datasets and Configuration sub-options), Marketplace, and Release Notes. The main content area displays a message: "To view this page, select a project." with a "Create project" button. At the bottom, there's a navigation bar with icons for search, microphone, video, file, browser, and shield.

Set Up an App Dev Environment

https://partner.skills.google/parts/69/course_templates/637/labs/592543

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Google Skills Partner

Associate Cloud Engineer > Set Up an App Dev Environment on Google Cloud > Cloud IAM: Qwik Start

Cloud IAM: Qwik Start

Task 4. Add Cloud Storage permissions

End Lab 00:43:42 Time limit

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 1: student-02-9a4bf3189b9e (copy)

Username 2: student-02-fa4873dcfc94 (copy)

Password: 63du0wcZQmsg (copy)

GCP Project ID: qwiklabs-gcp-01-7769fae (copy)

Verify access

1. Switch to the Username 2 console. You'll still be on the Storage page.

Username 2 doesn't have the Project Viewer role, so that user can't see the project or

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04:31 PM 24-12-2025

Dashboard Catalog Paths Collections

60/100 Lab instructions and tasks

GSP064 Overview Setup and requirements Task 1. Explore the IAM console and project level roles Task 2. Prepare a Cloud Storage bucket for access testing Task 3. Remove project access Task 4. Add Cloud Storage permissions Congratulations!

IAM – IAM & Admin – qwiklabs-gcp-01-7769faedad14 Buckets – Cloud Storage – Google Cloud

https://console.cloud.google.com/iam-admin/iam?project=qwiklabs-gcp-01-7769faedad14

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Google Cloud Project: qwiklabs-gcp-01-7769faedad14 Search (/) for resources

IAM & Admin / IAM

IAM

Allow Deny Recommendations history

Permissions for project "qwiklabs-gcp-01-7769faedad14"

These permissions affect this project and all of its resources. [Learn more about IAM conditions](#)

View by principals View by roles

Grant access Remove access

Filter Enter property name or value

Type	Principal
<input type="checkbox"/>	314232051268-compute@developer.gserviceaccount.com
<input type="checkbox"/>	admiral@qwiklabs-services-prod.iam.gserviceaccount.com
<input type="checkbox"/>	qwiklabs-gcp-01-7769faedad14@qwiklabs-gcp-01-7769faedad14.iam.gserviceaccount.com
<input type="checkbox"/>	student-02-9a4bf3189b9e@qwiklabs.net

+ Add another role [Help me choose roles](#)

Manage Roles

Save Cancel

Grant access to "qwiklabs-gcp-01-7769faedad14"

Grant principals access to this resource and add roles to specify what actions the principals can take. Optionally, add conditions to grant access to principals only when a specific criteria is met. [Learn more about IAM conditions](#)

Storage Object Creator
Allows users to create objects. Does not give permission to view, delete, or replace objects.

Storage Object Viewer
Grants access to view objects and their metadata, excluding ACLs. Can also list the objects in a bucket.

Storage Object User
Access to create, read, update and delete objects and multipart uploads in GCS.

Storage Object Admin

+ Add another role [Help me choose roles](#)

Save Cancel

Search Storage Object

Storage Object Creator
Allows users to create objects. Does not give permission to view, delete, or replace objects.

Storage Object Viewer
Grants access to view objects and their metadata, excluding ACLs. Can also list the objects in a bucket.

Storage Object User
Access to create, read, update and delete objects and multipart uploads in GCS.

Storage Object Admin

+ Add another role [Help me choose roles](#)

Save Cancel

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IAM – IAM & Admin – qwiklabs-gcp-01-7769faedad14 Buckets – Cloud Storage – Google Cloud

https://console.cloud.google.com/iam-admin/iam?project=qwiklabs-gcp-01-7769faedad14

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Google Cloud Project: qwiklabs-gcp-01-7769faedad14 Search (/) for resources

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IAM

Allow Deny Recommendations history

Permissions for project "qwiklabs-gcp-01-7769faedad14"

These permissions affect this project and all of its resources. [Learn more about IAM conditions](#)

[View by principals](#) [View by roles](#)

[Grant access](#) [Remove access](#)

[Filter](#) Enter property name or value

Type	Principal ↑
<input type="checkbox"/>	314232051268-compute@developer.gserviceaccount.com
<input type="checkbox"/>	admiral@qwiklabs-services-prod.iam.gserviceaccount.com
<input type="checkbox"/>	qwiklabs-gcp-01-7769faedad14@qwiklabs-gcp-01-7769faedad14.iam.gserviceaccount.com
<input type="checkbox"/>	student-02-9a4bf3189b9e@qwiklabs.net

Grant access to "qwiklabs-gcp-01-7769faedad14"

Principals can take. Optionally, add conditions to grant access to principals only when a specific criteria is met. [Learn more about IAM conditions](#)

Resource

qwiklabs-gcp-01-7769faedad14

Add principals

Principals are users, groups, domains, or service accounts. [Learn more about principals in IAM](#)

New principals * [?](#)

Assign roles

Roles are composed of sets of permissions and determine what the principal can do with this resource. [Learn more](#)

Role * [?](#) **IAM condition (optional)** [?](#) [+ Add IAM condition](#) [-](#)

Grants access to view objects and their metadata, excluding ACLs. Can also list the objects in a bucket.

[+ Add another role](#)

[Help me choose roles](#)

Save **Cancel**

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Search

04:32 PM 24-12-2025

IAM – IAM & Admin – qwiklabs-gcp-| Buckets – Cloud Storage – Google Cloud

https://console.cloud.google.com/storage/browser?project=qwiklabs-gcp-01-7769faedad14&supportedpurview=project&prefix=&forceOnBucke... | 1

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Google Cloud qwiklabs-gcp-01-7769faedad14 Search (/) for resources, docs, products, and more Search

Cloud Storage Buckets + Create Refresh Go to path

Overview Filter Filter buckets View options

Name	Created	Location type	Location	Default storage class	Last modified	Public access
student029a4bf3189b9eqwikelabs	Dec 24, 2025, 4:21:38 PM	Multi-region	us	Standard	Dec 24, 2025, 4:21:38 PM	Not public

Buckets Monitoring Settings Storage Intelligence Insights datasets Configuration Marketplace Release Notes

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Set Up an App Dev Environment

https://partner.skills.google/parts/69/course_templates/637/labs/592543

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Google Skills Partner

Associate Cloud Engineer > Set Up an App Dev Environment on Google Cloud > Cloud IAM: Qwik Start

Contents Cloud IAM: Qwik Start

End Lab 00:38:28 Time limit

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 1: student-02-9a4bf3189b9e (copy)

Username 2: student-02-fa4873dcfc94 (copy)

Password: 63du0wcZQmsg (copy)

GCP Project ID: qwiklabs-gcp-01-7769fae (copy)

Verify access

1. Switch to the **Username 2** console. You'll still be on the Storage page.

Username 2 doesn't have the Project Viewer role, so that user can't see the project or any of its resources in the Console. However, this user has specific access to Cloud Storage, the Storage Object Viewer role - check it out now.

2. Click **Activate Cloud Shell** to open the Cloud Shell command line. If prompted click **Continue**.

3. Open up a Cloud Shell session and then enter in the following command, replace `[YOUR_BUCKET_NAME]` with the name of the bucket you created earlier:

```
gsutil ls gs://[YOUR_BUCKET_NAME]
```

You should receive a similar output:

```
gs://[YOUR_BUCKET_NAME]/sample.txt
```

Check complete. Points earned: 40. Message: Assessment Completed!

100/100

Lab instructions and tasks

GSP064

Overview

Setup and requirements

Task 1. Explore the IAM console and project level roles

Task 2. Prepare a Cloud Storage bucket for access testing

Task 3. Remove project access

Task 4. Add Cloud Storage permissions

Congratulations!

Next >

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IAM – IAM & Admin – qwiklabs-gcp- (student029...eqwiklabs – Cloud S +)

https://console.cloud.google.com/storage/browser/student029a4bf3189b9eqwiklabs;tab=objects?forceOnBucketsSortingFiltering=true&project=qwiklabs-gcp-01-7769faedad14

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Google Cloud qwiklabs-gcp-01-7769faedad14 Search (/) for resources, docs, products, and more Search

CLOUD SHELL Terminal (qwiklabs-gcp-01-7769faedad14) + Open Editor

Gemini CLI is available in Cloud Shell terminal! Type gemini to try it. [Learn more](#)

Don't show again Dismiss

Welcome to Cloud Shell! Type "help" to get started, or type "gemini" to try prompting with Gemini CLI.
Your Cloud Platform project in this session is set to **qwiklabs-gcp-01-7769faedad14**.
Use `gcloud config set project [PROJECT_ID]` to change to a different project.
student_02_9a4bf3189b9e@cloudshell:~ (qwiklabs-gcp-01-7769faedad14)\$ gsutil ls gs://student029a4bf3189b9eqwiklabs
gs://student029a4bf3189b9eqwiklabs/sample.txt
student_02_9a4bf3189b9e@cloudshell:~ (qwiklabs-gcp-01-7769faedad14)\$

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Search

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