

Pub/Sub: Qwik Start - Command Line

GSP095



- Pub/Sub provides asynchronous messaging that decouples applications for secure, scalable event data exchange between services.
- It enables low-latency communication for workflows, notifications, and streaming from diverse data sources.
- This introductory lab covers creating, deleting, and listing Pub/Sub topics and subscriptions.
- Practice publishing messages to topics and implementing pull subscriber patterns.
- No prior Pub/Sub experience required—master the fundamentals through hands-on exercises.

Set Up an App Dev Environment

https://partner.skills.google(paths/69/course_templates/637/labs/592548)

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Pub/Sub: Qwik Start - Command Line

End Lab 00:58:50 Time limit

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Open Google console

Username: student-02-77569a450c62@qwiklabs.net

Password: 1gd108qixhdc

Project ID: qwiklabs-gcp-00-91d8836e

Student Resources: Simplify Event Driven Processing

gcloud auth list

4. Click Authorize.

Output:

```
ACTIVE: *
ACCOUNT: student-02-77569a450c62@qwiklabs.net

To set the active account, run:
$ gcloud config set account `ACCOUNT`
```

5. (Optional) You can list the project ID with this command:

gcloud config list project

Output:

```
[REDACTED]
```

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GSP095

Overview

Setup and requirements

Pub/Sub basics

Task 1. Pub/Sub topics

Task 2. Pub/Sub subscriptions

Task 3. Pub/Sub publishing and pulling a single message

Task 4. Pub/Sub pulling all messages from subscriptions

Congratulations!

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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-00-91d8836efall**.

```
Use `gcloud config set project [PROJECT_ID]` to change to a different project.  
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$ gcloud auth list  
Credentials
```

ACTIVE: *

ACCOUNT: student-02-77569a450c62@qwiklabs.net

```
To set the active account, run:  
  $ qcloud config set account `ACCOUNT`
```

```
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall1)$ gcloud config list project  
API [clouresourcemanager.googleapis.com] not enabled on project [qwiklabs-gcp-00-91d8836efall1]. Would you like to enable and retry (this will take a few  
minutes)? (y/N)? Y
```

```
Enabling service [cloudresourcemanager.googleapis.com] on project [qwiklabs-gcp-00-91d8836efall]...
Operation "operations/acat.p2-332763562210-90d9808e-34ef-47d8-b52f-9af41f8f7ab" finished successfully.
[core]
project = qwiklabs-gcp-00-91d8836efall
```

```
Your active configuration is: [cloudshell-31082]
student 02 77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall1)$
```

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Pub/Sub: Qwik Start - Command Line

Task 1. Pub/Sub topics

End Lab 00:57:02 Time limit

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Username: student-02-77569a450c62e

Password: 1gd108qixhdc

Project ID: quicklabs-gcp-00-91d8836e

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

student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)\$ gcloud pubsub topics create myTopic
Created topic [projects/qwiklabs-gcp-00-91d8836efa11/topics/myTopic].
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)\$
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)\$

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Pub/Sub: Qwik Start - Command Line

End Lab 00:55:57 Time limit

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[Learn more.](#)

[Open Google console](#)

Username student-02-77569a450c62 (copy)

Password 1gd108qixhdc (copy)

Project ID qwiklabs-gcp-00-91d8836 (copy)

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Create a Pub/Sub topic.

Check my progress

2. For good measure, create two more topics; one called `Test1` and the other called `Test2`:

```
gcloud pubsub topics create Test1
```

```
gcloud pubsub topics create Test2
```

3. To see the three topics you just created, run the following command:

```
gcloud pubsub topics list
```

Your output should resemble the following:

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Pub/Sub: Qwik Start - Command Line

messageStoragePolicy:
allowedPersistenceRegions:
- us-central1
name: projects/qwiklabs-gcp-01-af5b4aaa2d32/topics/Test2

End Lab 00:55:35 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 console

Username: student-02-77569a450c62e

Password: 1gd108qixhdc

Project ID: qwiklabs-gcp-00-91d8836e

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4. Time to clean up. Delete Test1 and Test2 by running the following commands:

gcloud pubsub topics delete Test1

gcloud pubsub topics delete Test2

5. Run the gcloud pubsub topics list command one more time to verify the topics were deleted:

gcloud pubsub topics list

You should get the following output:

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GSP095 Overview Setup and requirements Pub/Sub basics Task 1. Pub/Sub topics Task 2. Pub/Sub subscriptions Task 3. Pub/Sub publishing and pulling a single message Task 4. Pub/Sub pulling all messages from subscriptions Congratulations!

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```
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$ gcloud pubsub topics create myTopic
Created topic [projects/qwiklabs-gcp-00-91d8836efall/topics/myTopic].
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$ gcloud pubsub topics create Test1
Created topic [projects/qwiklabs-gcp-00-91d8836efall/topics/Test1].
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$ gcloud pubsub topics create Test2
Created topic [projects/qwiklabs-gcp-00-91d8836efall/topics/Test2].
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$ gcloud pubsub topics list
---
messageStoragePolicy:
  allowedPersistenceRegions:
  - us-central1
name: projects/qwiklabs-gcp-00-91d8836efall/topics/Test1
---
messageStoragePolicy:
  allowedPersistenceRegions:
  - us-central1
name: projects/qwiklabs-gcp-00-91d8836efall/topics/Test2
---
messageStoragePolicy:
  allowedPersistenceRegions:
  - us-central1
name: projects/qwiklabs-gcp-00-91d8836efall/topics/myTopic
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$
```

```
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall) $ gcloud pubsub topics delete Test1
Deleted topic [projects/qwiklabs-gcp-00-91d8836efall/topics/Test1].
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall) $ gcloud pubsub topics delete Test2
Deleted topic [projects/qwiklabs-gcp-00-91d8836efall/topics/Test2].
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall) $
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall) $ gcloud pubsub topics list
---
messageStoragePolicy:
  allowedPersistenceRegions:
  - us-central1
name: projects/qwiklabs-gcp-00-91d8836efall/topics/myTopic
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall) $
```

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Pub/Sub: Qwik Start - Command Line

Task 2. Pub/Sub subscriptions

Now that you're comfortable creating, viewing, and deleting topics, time to work with subscriptions.

1. Run the following command to create a subscription called `mySubscription` to topic `myTopic`:

```
gcloud pubsub subscriptions create --topic myTopic mySubscription
```

Test completed task

Click **Check my progress** to verify your performed task. If you have completed the task successfully you will be granted an assessment score.

Create Pub/Sub Subscription.

Check my progress

GSP095

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Task 4. Pub/Sub pulling all messages from subscriptions

Congratulations!

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End Lab 00:53:22 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 console

Username: student-02-77569a450c62e

Password: 1gd108qixhdc

Project ID: quicklabs-gcp-00-91d8836e

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Simplify Event Driven Processing

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CLOUD SHELL Terminal (qwiklabs-gcp-00-91d8836efa11) x + Open Editor

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

student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)\$ gcloud pubsub subscriptions create --topic myTopic mySubscription
Created subscription [projects/qwiklabs-gcp-00-91d8836efa11/subscriptions/mySubscription].
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)\$

9+ 15°C Mostly clear

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06:18 PM 26-12-2025

The screenshot shows a Google Cloud Qwik Start lab interface. At the top, there's a navigation bar with 'Associate Cloud Engineer > Set Up an App Dev Environment on Google Cloud > Pub/Sub: Qwik Start - Command Line'. Below this is a 'Contents' dropdown menu with 'Pub/Sub: Qwik Start - Command Line' selected. On the left, there's a sidebar with 'End Lab' and a timer at '00:53:06' with a 'Time limit' icon. It also includes sections for 'Caution', 'Open Google console', 'Username' (student-02-77569a450c62), 'Password' (1gd108qixhdc), 'Project ID' (qwiklabs-gcp-00-91d8836), and 'Student Resources' (Simplify Event Driven Processing). The main content area has a green checkmark icon and a 'Check my progress' button. It contains instructions for creating subscriptions: '2. Add another two subscriptions to myTopic. Run the following commands to make Test1 and Test2 subscriptions:' followed by two command-line snippets: 'gcloud pubsub subscriptions create --topic myTopic Test1' and 'gcloud pubsub subscriptions create --topic myTopic Test2'. Below these, it says '3. Run the following command to list the subscriptions to myTopic:' with the command 'gcloud pubsub topics list-subscriptions myTopic'. A note says 'Your output should resemble the following:' followed by a terminal window showing the output: '--- projects/qwiklabs-gcp-3450558d2b043890/subscriptions/Test2'. On the right, there's a vertical sidebar with 'GSP095' at the top, followed by a list of tasks: Overview, Setup and requirements, Pub/Sub basics, Task 1. Pub/Sub topics, Task 2. Pub/Sub subscriptions (which is currently selected), Task 3. Pub/Sub publishing and pulling a single message, Task 4. Pub/Sub pulling all messages from subscriptions, and Congratulations!. At the bottom right is a 'Next' button.

```
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$ gcloud pubsub subscriptions create --topic myTopic mySubscription
Created subscription [projects/qwiklabs-gcp-00-91d8836efall/subscriptions/mySubscription].
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$ gcloud pubsub subscriptions create --topic myTopic Test1
Created subscription [projects/qwiklabs-gcp-00-91d8836efall/subscriptions/Test1].
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$ gcloud pubsub subscriptions create --topic myTopic Test2
Created subscription [projects/qwiklabs-gcp-00-91d8836efall/subscriptions/Test2].
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$ gcloud pubsub topics list-subscriptions myTopic
---
    projects/qwiklabs-gcp-00-91d8836efall/subscriptions/Test1
---
    projects/qwiklabs-gcp-00-91d8836efall/subscriptions/Test2
---
    projects/qwiklabs-gcp-00-91d8836efall/subscriptions/mySubscription
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$
```

```
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$ gcloud pubsub subscriptions create --topic myTopic mySubscription
Created subscription [projects/qwiklabs-gcp-00-91d8836efall/subscriptions/mySubscription].
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$ gcloud pubsub subscriptions create --topic myTopic Test1
Created subscription [projects/qwiklabs-gcp-00-91d8836efall/subscriptions/Test1].
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$ gcloud pubsub subscriptions create --topic myTopic Test2
Created subscription [projects/qwiklabs-gcp-00-91d8836efall/subscriptions/Test2].
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$ gcloud pubsub topics list-subscriptions myTopic
---
    projects/qwiklabs-gcp-00-91d8836efall/subscriptions/Test1
---
    projects/qwiklabs-gcp-00-91d8836efall/subscriptions/Test2
---
    projects/qwiklabs-gcp-00-91d8836efall/subscriptions/mySubscription
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$ gcloud pubsub subscriptions delete Test1
Deleted subscription [projects/qwiklabs-gcp-00-91d8836efall/subscriptions/Test1].
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$ gcloud pubsub subscriptions delete Test2
Deleted subscription [projects/qwiklabs-gcp-00-91d8836efall/subscriptions/Test2].
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$ gcloud pubsub topics list-subscriptions myTopic
---
    projects/qwiklabs-gcp-00-91d8836efall/subscriptions/mySubscription
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efall)$
```

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End Lab 00:51:21 Time limit

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Username: student-02-77569a450c62c

Password: 1gd108qixhdc

Project ID: quicklabs-gcp-00-91d8836e

Student Resources: Simplify Event Driven Processing

Task 3. Pub/Sub publishing and pulling a single message

Next you'll learn how to publish a message to a Pub/Sub topic.

1. Run the following command to publish the message "hello" to the topic you created previously (`myTopic`):

```
gcloud pubsub topics publish myTopic --message "Hello"
```

2. Publish a few more messages to `myTopic`. Run the following commands (replacing `<YOUR NAME>` with your name and `<FOOD>` with a food you like to eat):

```
gcloud pubsub topics publish myTopic --message "Publisher's name is <YOUR NAME>"
```

```
gcloud pubsub topics publish myTopic --message "Publisher likes to eat <FOOD>"
```

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Pub/Sub: Qwik Start - Command Line

End Lab 00:49:35 Time limit

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Password: 1gd108qixhdc

Project ID: quicklabs-gcp-00-91d8836e

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gcloud pubsub topics publish myTopic --message "Hello"

2. Publish a few more messages to myTopic. Run the following commands (replacing <YOUR NAME> with your name and <FOOD> with a food you like to eat):

gcloud pubsub topics publish myTopic --message "Publisher's name is <YOUR NAME>"

gcloud pubsub topics publish myTopic --message "Publisher likes to eat <FOOD>"

gcloud pubsub topics publish myTopic --message "Publisher thinks Pub/Sub is awesome"

Next, use the pull command to get the messages from your topic. The pull command is subscription based, meaning it should work because earlier you set up the subscription mySubscription to the topic myTopic.

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```
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub topics publish myTopic --message "Hello"
messageIds:
- '17470808502874285'
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub topics publish myTopic --message "Publisher's name is <YOUR NAME>"
messageIds:
- '17455664988508935'
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub topics publish myTopic --message "Publisher's name is stu23"
messageIds:
- '17461117883354946'
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub topics publish myTopic --message "Publisher likes to eat Burger"
messageIds:
- '17512197941745687'
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub topics publish myTopic --message "Publisher thinks Pub/Sub is awesome"
messageIds:
- '17460352413210771'
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ █
```

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Time limit

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[Open Google console](#)

Username
student-02-77569a450c62e



Password
1gd108qixhdc



Project ID
qwiklabs-gcp-00-91d8836e



Student Resources

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Next, use the `pull` command to get the messages from your topic. The `pull` command is subscription based, meaning it should work because earlier you set up the subscription `mySubscription` to the topic `myTopic`.

3. Use the following command to pull the messages you just published from the Pub/Sub topic:

```
gcloud pubsub subscriptions pull mySubscription --auto-ack
```

Your output should resemble the following:

```
DATA: Publisher likes to eat Chicken
MESSAGE_ID: 7881270261639526
ORDERING_KEY:
ATTRIBUTES:
DELIVERY_ATTEMPT:
ACK_STATUS: SUCCESS
```

What's going on here? You published 4 messages to your topic, but only 1 was outputted.

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Congratulations!

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Don't show again Dismiss

```
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub topics publish myTopic --message "Hello"
messageIds:
- '17470808502874285'
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub topics publish myTopic --message "Publisher's name is <YOUR NAME>"
messageIds:
- '17455664988508935'
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub topics publish myTopic --message "Publisher's name is stu23"
messageIds:
- '17461117883354946'
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub topics publish myTopic --message "Publisher likes to eat Burger"
messageIds:
- '17512197941745687'
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub topics publish myTopic --message "Publisher thinks Pub/Sub is awesome"
messageIds:
- '17460352413210771'
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub subscriptions pull mySubscription --auto-ack
DATA: Publisher thinks Pub/Sub is awesome
MESSAGE_ID: 17460352413210771
ORDERING_KEY:
ATTRIBUTES:
DELIVERY_ATTEMPT:
ACK_STATUS: SUCCESS
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$
```

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Pub/Sub: Qwik Start - Command Line

End Lab 00:48:06 Time limit

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Open Google console

Username: student-02-77569a450c62e

Password: 1gd108qixhdc

Project ID: qwiklabs-gcp-00-91d8836e

Student Resources: Simplify Event Driven Processing

Task 4. Pub/Sub pulling all messages from subscriptions

Since you pulled all of the messages from your topic in the last example, populate myTopic with a few more messages.

1. Run the following commands:

```
gcloud pubsub topics publish myTopic --message "Publisher is starting to get the hang of Pub/Sub"
```

```
gcloud pubsub topics publish myTopic --message "Publisher wonders if all messages will be pulled"
```

```
gcloud pubsub topics publish myTopic --message "Publisher will have to test to find out"
```

2. Add a flag to your command so you can output all three messages in one request.

10/10

GSP095

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Task 4. Pub/Sub pulling all messages from subscriptions

Congratulations!

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have to test to find out"

End Lab 00:47:58 Time limit

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Username: student-02-77569a450c62 (copy)

Password: 1gd108qixhdc (copy)

Project ID: quicklabs-gcp-00-91d8836e (copy)

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GSP095 Overview Setup and requirements Pub/Sub basics Task 1. Pub/Sub topics Task 2. Pub/Sub subscriptions Task 3. Pub/Sub publishing and pulling a single message Task 4. Pub/Sub pulling all messages from subscriptions Congratulations!

2. Add a flag to your command so you can output all three messages in one request.

You may have not noticed, but you have actually been using a flag this entire time: the `-auto-ack` part of the `pull` command is a flag that has been formatting your messages into the neat boxes that you see your pulled messages in.

`limit` is another flag that sets an upper limit on the number of messages to pull.

3. Wait a minute to let the topics get created. Run the `pull` command with the `limit` flag:

```
gcloud pubsub subscriptions pull mySubscription --limit=3
```

Your output should match the following:

```
DATA: Publisher is starting to get the hang of Pub/Sub
MESSAGE_ID: 7881308064928233
ORDERING_KEY:
ATTRIBUTES:
DELIVERY_ATTEMPT:
ACK_STATUS: SUCCESS
```

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End Lab 00:47:43 Time limit

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Open Google console

Username: student-02-77569a450c62e

Password: 1gd108qixhdc

Project ID: qwiklabs-gcp-00-91d8836e

Student Resources: Simplify Event Driven Processing

gcloud pubsub subscriptions pull mySubscription --limit=3

Your output should match the following:

```
DATA: Publisher is starting to get the hang of Pub/Sub
MESSAGE_ID: 7881308064928233
ORDERING_KEY:
ATTRIBUTES:
DELIVERY_ATTEMPT:
ACK_STATUS: SUCCESS

DATA: Publisher wonders if all messages will be pulled
MESSAGE_ID: 7881510968966871
ORDERING_KEY:
ATTRIBUTES:
DELIVERY_ATTEMPT:
ACK_STATUS: SUCCESS

DATA: Publisher will have to test to find out
MESSAGE_ID: 7881307576501852
ORDERING_KEY:
ATTRIBUTES:
DELIVERY_ATTEMPT:
ACK_STATUS: SUCCESS
```

Now you know how to add flags to a Pub/Sub command to output a larger pool of messages. You are well on your way to becoming a Pub/Sub master.

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Congratulations!

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```
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub topics publish myTopic --message "Publisher is starting to get the hang of Pub/Sub"
messageIds:
- '17466486419475407'
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub topics publish myTopic --message "Publisher wonders if all messages will be pulled"
messageIds:
- '17461263597381233'
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub topics publish myTopic --message "Publisher will have to test to find out"
messageIds:
- '17508503795221459'
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub subscriptions pull mySubscription --limit=3
DATA: Publisher is starting to get the hang of Pub/Sub
MESSAGE_ID: 17460766166834541
ORDERING_KEY:
ATTRIBUTES:
DELIVERY_ATTEMPT:
ACK_ID: UAYWLF1GSFE3GQhoUQ5PXiM_NSAoRRoECBQFfH1wQ191WVx9aFENGXJ9YHw4X0JTC0ZQfg1RGwdotm11H5ezk4hLQ1RrXRcHAKJVeF5dHQVrWF1xBnnpx8n5ktfDdQk9OoPt9Kvt08-6s6FHZim9XxJLLD5-NiJFQV5AEkw9F0RJuYtDCypYEU4EISE-MD5FU0Q

DATA: Publisher will have to test to find out
MESSAGE_ID: 17526136419502043
ORDERING_KEY:
ATTRIBUTES:
DELIVERY_ATTEMPT:
ACK_ID: XUZIUTcZCGhRDk9eIz81IChFGgQIFAV8fxRSSDsOCiRTTA4cHX1hdWpaEghQQAIsv15JWWlWXH8HQzwZarvf_5BsMSADQ1z8WVoYC2xdVXAHuw0dcVWFq9He4KOrak1CZ52lh5JqfLfVvvArZi89XxJLLD5-NiJFQV5AEkw9F0RJuYtDCypYEU4EISE-MD5FU0RQBhYs
```

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```
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub topics publish myTopic --message "Publisher will have to test to find out"
messageIds:
- '17508503795221459'
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$ gcloud pubsub subscriptions pull mySubscription --limit=3
DATA: Publisher is starting to get the hang of Pub/Sub
MESSAGE_ID: 17460766166834541
ORDERING_KEY:
ATTRIBUTES:
DELIVERY_ATTEMPT:
ACK_ID: UAYWL1GSFE3GQhoUQ5PXiM_NSAoRRoECBQFFH1wQ191WVx9aFENGXJ9YHw4X0JTC0ZQfg1RGwdotm11H5ezk4hLQ1RrXRcHAkJVeF5dHQVrWF1xBnnpx8n5ktfDdQk9OoPt9Kvt08-6s6FHZiM9XxJLD5-NiJFQV5AEkw9F0RJuYtDCypYEU4EISE-MD5FU0Q

DATA: Publisher will have to test to find out
MESSAGE_ID: 17526136419502043
ORDERING_KEY:
ATTRIBUTES:
DELIVERY_ATTEMPT:
ACK_ID: XUZIUTcZCGhRDk9eIz81IChFGgQ1FAV8fxRSSDsOCiRTTA4cHX1hdWpaEghQQAIsv15JWWlWXH8HQzwZarvf_5BsMSADQ1z8WVoYC2xdVXAHu0dcVWFq9He4KOrak1CZ52lh5JqfLfVvvArZi89XxJLD5-NiJFQV5AEkw9F0RJuYtDCypYEU4EISE-MD5FU0RQBhYs

DATA: Publisher wonders if all messages will be pulled
MESSAGE_ID: 17461540598886367
ORDERING_KEY:
ATTRIBUTES:
DELIVERY_ATTEMPT:
ACK_ID: UAYWL1GSFE3GQhoUQ5PXiM_NSAoRRoECBQFFH1wQU11XVp3aFENGXJ9YHw4X0JTC0FaKw5RGwdotm11H5ezk4hLQ1RrXRcHA0BXflpSEwVgWl9zAHnpx8n5ktfDdQk9OoPt9Kvt08-6s6FHZiM9XxJLD5-NiJFQV5AEkw9F0RJuYtDCypYEU4EISE-MD5FU0Q
student_02_77569a450c62@cloudshell:~ (qwiklabs-gcp-00-91d8836efa11)$
```

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