

Cloud Run Functions: Qwik Start - Command Line

GSP080



- Cloud Run functions execute code in response to cloud events like HTTP requests, Pub/Sub messages, or Cloud Storage uploads.
- Event-driven architecture ensures functions run only when triggered, optimizing costs for intermittent workloads.
- Common use cases include generating image thumbnails, sending notifications, and processing database changes automatically.
- Write code in Node.js-compatible languages and deploy with simple clicks for instant scalability.
- This lab demonstrates creating, deploying, and testing Cloud Run functions using both Cloud Console and Cloud Shell.

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Cloud Run Functions: Qwik Start - Command Line

Lab setup instructions and requirements

Protect your account and

End Lab 00:44:32 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: student-03-10c2a2e95b1b@qwiklabs.net

Password: 2ldShBs21Hz0

Project ID: qwiklabs-gcp-02-c5bc870!

gcloud auth list

4. Click Authorize.

Output:

```
ACTIVE: *
ACCOUNT: student-03-10c2a2e95b1b@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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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-02-c5bc8705c0ce**.

```
Use `gcloud config set project [PROJECT_ID]` to change to a different project.  
student_03_10c2a2e95b1b@cloudshell:~ (qwiklabs-gcp-02-c5bc8705c0ce)$ gcloud auth list  
Credentials Accounts
```

ACTIVE: *

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

```
student_03_10c2a2e95b1b@cloudshell:~ (qwiklabs-gcp-02-c5bc8705c0ce)$ gcloud config list project  
[core]  
project = qwiklabs-gcp-02-c5bc8705c0ce
```

```
Your active configuration is: [cloudshell-9171]
student 03 10c2a2e95b1b@cloudshell:~ (qwiklabs)
```

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Open Google Cloud console

Username: student-03-10c2a2e95b1b1f

Password: 21dShBs21Hz0

Project ID: qwiklabs-gcp-02-c5bc870!

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Task 1. Create a function

First, you're going to create a simple function named `helloWorld`. This function writes a message to the Cloud Run functions logs. It is triggered by Cloud Run function events and accepts a callback function used to signal completion of the function.

For this lab the Cloud Run function event is a pub/sub topic event. A pub/sub is a messaging service where the senders of messages are decoupled from the receivers of messages. When a message is sent or posted, a subscription is required for a receiver to be alerted and receive the message. To learn more about pub/subs, in Pub/Sub Guides, see [Pub/Sub: A Google-Scale Messaging Service](#).

To learn more about the event parameter and the callback parameter, in Cloud Run functions Documentation, see [Background Functions](#).

To create a Cloud Run function:

1. In Cloud Shell, run the following command to set the default region:

```
gcloud config set run/region us-central1
```

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Open Google Cloud console

Username: student-03-10c2a2e95b1b1f

Password: 21dShBs21Hz0

Project ID: qwiklabs-gcp-02-c5bc870!

To create a Cloud Run function:

1. In Cloud Shell, run the following command to set the default region:

```
gcloud config set run/region us-central1
```

2. Create a directory for the function code:

```
mkdir gcf_hello_world && cd $_
```

3. Create and open `index.js` to edit:

```
nano index.js
```

4. Copy the following into the `index.js` file:

```
const functions = require('@google-cloud/functions-framework')
```

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Lab setup instructions and requirements

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End Lab 00:42:10 Time limit

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Open Google Cloud console

Username: student-03-10c2a2e95b1b1f

Password: 21dShBs21Hz0

Project ID: qwiklabs-gcp-02-c5bc870!

4. Copy the following into the `index.js` file:

```
const functions = require('@google-cloud/functions-framework')

// Register a CloudEvent callback with the Functions Framework
// be executed when the Pub/Sub trigger topic receives a message
functions.cloudEvent('helloPubSub', cloudEvent => {
  // The Pub/Sub message is passed as the CloudEvent's data payload
  const base64name = cloudEvent.data.message.data;

  const name = base64name
    ? Buffer.from(base64name, 'base64').toString()
    : 'World';

  console.log(`Hello, ${name}!`);
});
```

5. To save the file and exit `nano`, press `CTRL+X`, then `Y`, and then `ENTER`.

6. Create and open `package.json` to edit:

7. Copy the following into the `package.json` file:

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Username: student-03-10c2a2e95b1b1f

Password: 21dShBs21Hz0

Project ID: qwiklabs-gcp-02-c5bc870!

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5. To save the file and exit nano, press CTRL+X, then press Y, and then press ENTER.

6. Create and open package.json to edit:

7. Copy the following into the package.json file:

```
{  
  "name": "gcf_hello_world",  
  "version": "1.0.0",  
  "main": "index.js",  
  "scripts": {  
    "start": "node index.js",  
    "test": "echo \\\"Error: no test specified\\\" && exit 1"  
  },  
  "dependencies": {  
    "@google-cloud/functions-framework": "^3.0.0"  
  }  
}
```

To save the file and exit nano, press CTRL+X, then press Y, and then press

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End Lab 00:41:55 Time limit

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Open Google Cloud console

Username: student-03-10c2a2e95b1b1f

Password: 21dShBs21Hz0

Project ID: qwiklabs-gcp-02-c5bc870!

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{
 "name": "gcf_hello_world",
 "version": "1.0.0",
 "main": "index.js",
 "scripts": {
 "start": "node index.js",
 "test": "echo \\"Error: no test specified\\" && exit 1"
 },
 "dependencies": {
 "@google-cloud/functions-framework": "^3.0.0"
 }
}

8. To save the file and exit nano, press CTRL+X, then press Y, and then press ENTER.

9. Install the package dependencies

npm install

Expected Output:

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End Lab 00:41:50 Time limit

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Open Google Cloud console

Username: student-03-10c2a2e95b1b1
Password: 21dShBs21Hz0
Project ID: qwiklabs-gcp-02-c5bc870!

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Task 5. Test your understanding

Congratulations!

8. To save the file and exit nano, press CTRL+X, then press Y, and then press ENTER.

9. Install the package dependencies

npm install

Expected Output:

```
added 140 packages, and audited 141 packages in 9s  
27 packages are looking for funding  
run `npm fund` for details  
found 0 vulnerabilities
```

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student_03_10c2a2e95b1b@cloudshell:~ (qwiklabs-gcp-02-c5bc8705c0ce)\$ gcloud config set run/region us-central1
Updated property [run/region].
student_03_10c2a2e95b1b@cloudshell:~ (qwiklabs-gcp-02-c5bc8705c0ce)\$ mkdir gcf_hello_world && cd \$_
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)\$
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)\$ nano index.js
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)\$ █

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

GNU nano 7.2 index.js *

```
const functions = require('@google-cloud/functions-framework');

// Register a CloudEvent callback with the Functions Framework that will
// be executed when the Pub/Sub trigger topic receives a message.
functions.cloudEvent('helloPubSub', cloudEvent => {
  // The Pub/Sub message is passed as the CloudEvent's data payload.
  const base64name = cloudEvent.data.message.data;

  const name = base64name
    ? Buffer.from(base64name, 'base64').toString()
    : 'World';

  console.log(`Hello, ${name}!`);
})
```

Help Write Out Where Is Cut Execute Location Undo Set Mark To Bracket
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student_03_10c2a2e95b1b@cloudshell:~ (qwiklabs-gcp-02-c5bc8705c0ce)\$ gcloud config set run/region us-central1
Updated property [run/region].
student_03_10c2a2e95b1b@cloudshell:~ (qwiklabs-gcp-02-c5bc8705c0ce)\$ mkdir gcf_hello_world && cd \$_
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)\$
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)\$ nano index.js
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)\$
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)\$ nano package.json
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)\$

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

GNU nano 7.2 package.json

```
{ "name": "gcf_hello_world", "version": "1.0.0", "main": "index.js", "scripts": { "start": "node index.js", "test": "echo \\\"Error: no test specified\\\" && exit 1" }, "dependencies": { "@google-cloud/functions-framework": "^3.0.0" } }
```

Read 12 lines [^T] Execute [^C] Location [M-U] Undo [M-A] Set Mark [M-] To Bracket [^W] Where Is [^R] Read File [^K] Cut [^U] Paste [^J] Justify [/] Go To Line [M-E] Redo [M-6] Copy [^Q] Where Was

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```
student_03_10c2a2e95b1b@cloudshell:~ (qwiklabs-gcp-02-c5bc8705c0ce)$ gcloud config set run/region us-central1
Updated property [run/region].
student_03_10c2a2e95b1b@cloudshell:~ (qwiklabs-gcp-02-c5bc8705c0ce)$ mkdir gcf_hello_world && cd $_
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)$
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)$ nano index.js
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)$
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)$ nano package.json
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)$
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)$ nano package.json
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)$
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)$ npm install
npm warn EBADENGINE Unsupported engine {
npm warn EBADENGINE   package: 'cloudevents@8.0.3',
npm warn EBADENGINE   required: { node: '>=16 <=22' },
npm warn EBADENGINE   current: { node: 'v24.12.0', npm: '11.7.0' }
npm warn EBADENGINE }

added 144 packages, and audited 145 packages in 9s

37 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)$
```

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Task 2. Deploy your function

For this lab, you'll set the `--trigger-topic` as `cf_demo`.

Note:
Cloud Run functions are event driven, meaning a trigger type must be specified. When deploying a new function, `--trigger-topic`, `--trigger-bucket`, or `--trigger-http` are common trigger events. When deploying an update to an existing function, the function keeps the existing trigger unless otherwise specified.

- Deploy the `nodejs-pubsub-function` function to a pub/sub topic named `cf-demo`

```
gcloud functions deploy nodejs-pubsub-function \
--gen2 \
--runtime=nodejs20 \
--region=us-central1 \
--source=. \
--entry-point=helloPubSub \
--trigger-topic cf-demo \
--stage-bucket qwiklabs-gcp-02-c5bc8705c0ce-bucket \
--service-account cloudfunctionsa@qwiklabs-gcp-02-c5bc8705c
```

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Dashboard Catalog Paths Collections

End Lab 00:38:15 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: student-03-10c2a2e95b1b1 Password: 2ldShBs21Hz0 Project ID: qwiklabs-gcp-02-c5bc8705c

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End Lab 00:37:59 Time limit

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Open Google Cloud console

Username: student-03-10c2a2e95b1b1

Password: 21dShBs21Hz0

Project ID: quicklabs-gcp-02-c5bc8705c0ce-bucket

1. Deploy the **nodejs-pubsub-function** function to a pub/sub topic named **cf-demo**

```
gcloud functions deploy nodejs-pubsub-function \
--gen2 \
--runtime=nodejs20 \
--region=us-central1 \
--source=. \
--entry-point=helloPubSub \
--trigger-topic cf-demo \
--stage-bucket quicklabs-gcp-02-c5bc8705c0ce-bucket \
--service-account cloudfunctionsa@quicklabs-gcp-02-c5bc8705c \
--allow-unauthenticated
```

Note: If you get a service account **serviceAccountTokenCreator** notification select "n".

2. Verify the status of the function:

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End Lab 00:37:50 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: student-03-10c2a2e95b1b1 Password: 2ldShBs21Hz0 Project ID: qwiklabs-gcp-02-c5bc870

"n".

2. Verify the status of the function:

```
gcloud functions describe nodejs-pubsub-function \
--region=us-central1
```

An ACTIVE status indicates that the function has been deployed.

Expected Output:

```
BuildConfig:
  automaticUpdatePolicy: {}
  build: projects/630521560493/locations/us-central1/builds/7ff9d415-
  dockerRegistry: ARTIFACT_REGISTRY
  dockerRepository: projects/qwiklabs-gcp-02-c5bc8705c0ce/locations/t
  entryPoint: helloPubSub
...
State: ACTIVE
...
UpdateTime: '2024-08-05T13:51:05.317298824Z'
Url: https://us-central1-qwiklabs-gcp-02-c5bc8705c0ce.cloudfunctions.net/helloPubSub
```

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```
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)$ gcloud functions deploy nodejs-pubsub-function \
--gen2 \
--runtime=nodejs20 \
--region=us-central1 \
--source=. \
--entry-point=helloPubSub \
--trigger-topic cf-demo \
--stage-bucket qwiklabs-gcp-02-c5bc8705c0ce-bucket \
--service-account cloudfunctions@qwiklabs-gcp-02-c5bc8705c0ce.iam.gserviceaccount.com \
--allow-unauthenticated
Service account [service-672703919310@gcp-sa-pubsub.iam.gserviceaccount.com] is missing the role [roles/iam.serviceAccountTokenCreator].
Pub/Sub needs this role to create identity tokens. For more details, please see https://cloud.google.com/pubsub/docs/push#authentication

Bind the role [roles/iam.serviceAccountTokenCreator] to service account [service-672703919310@gcp-sa-pubsub.iam.gserviceaccount.com]? (Y/n)? n

WARNING: Manual binding of above role may be necessary.

Created .gcloudignore file. See `gcloud topic gcloudignore` for details.
Preparing function...done.
Deploying function...
[Build] Build in progress... Logs are available at [https://console.cloud.google.com/cloud-build/builds;region=us-central1/6a92b50d-1e5f-4554-904a-7894765885bb?project=672703919310]...
[Build] Logs are available at [https://console.cloud.google.com/cloud-build/builds;region=us-central1/6a92b50d-1e5f-4554-904a-7894765885bb?project=672703919310]...done
[Service]done
[Trigger]done
Done.
You can view your function in the Cloud Console here: https://console.cloud.google.com/functions/details/us-central1/nodejs-pubsub-function?project=qwiklab
s-gcp-02-c5bc8705c0ce
```

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```
eventTrigger:
  eventType: google.cloud.pubsub.topic.v1.messagePublished
  pubsubTopic: projects/qwiklabs-gcp-02-c5bc8705c0ce/topics/cf-demo
  retryPolicy: RETRY_POLICY_DO_NOT_RETRY
  serviceAccountEmail: cloudfunctionsa@qwiklabs-gcp-02-c5bc8705c0ce.iam.gserviceaccount.com
  trigger: projects/qwiklabs-gcp-02-c5bc8705c0ce/locations/us-central1/triggers/nodejs-pubsub-function-707914
  triggerRegion: us-central1
labels:
  deployment-tool: cli-gcloud
name: projects/qwiklabs-gcp-02-c5bc8705c0ce/locations/us-central1/functions/nodejs-pubsub-function
satisfiesPzi: true
serviceConfig:
  allTrafficOnLatestRevision: true
  availableCpu: '0.1666'
  availableMemory: 256M
  environmentVariables:
    LOG_EXECUTION_ID: 'true'
  ingressSettings: ALLOW_ALL
  maxInstanceCount: 5
  maxInstanceRequestConcurrency: 1
  revision: nodejs-pubsub-function-00001-xap
  service: projects/qwiklabs-gcp-02-c5bc8705c0ce/locations/us-central1/services/nodejs-pubsub-function
  serviceAccountEmail: cloudfunctionsa@qwiklabs-gcp-02-c5bc8705c0ce.iam.gserviceaccount.com
  timeoutSeconds: 60
  uri: https://nodejs-pubsub-function-ia6rqmtduq-uc.a.run.app
state: ACTIVE
updateTime: '2025-12-26T09:12:33.708829918Z'
url: https://us-central1-qwiklabs-gcp-02-c5bc8705c0ce.cloudfunctions.net/nodejs-pubsub-function
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce) $ 
```

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```
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)$ gcloud functions describe nodejs-pubsub-function \
--region=us-central1
buildConfig:
  automaticUpdatePolicy: {}
  build: projects/672703919310/locations/us-central1/builds/6a92b50d-1e5f-4554-904a-7894765885bb
  dockerRegistry: ARTIFACT_REGISTRY
  dockerRepository: projects/qwiklabs-gcp-02-c5bc8705c0ce/locations/us-central1/repositories/gcf-artifacts
  entryPoint: helloPubSub
  runtime: nodejs20
  serviceAccount: projects/qwiklabs-gcp-02-c5bc8705c0ce/serviceAccounts/672703919310-compute@developer.gserviceaccount.com
  source:
    storageSource:
      bucket: gcf-v2-sources-672703919310-us-central1
      generation: '1766740144414154'
      object: nodejs-pubsub-function/function-source.zip
  sourceProvenance:
    resolvedStorageSource:
      bucket: gcf-v2-sources-672703919310-us-central1
      generation: '1766740144414154'
      object: nodejs-pubsub-function/function-source.zip
  createTime: '2025-12-26T09:09:06.035133992Z'
  environment: GEN_2
  eventTrigger:
    eventType: google.cloud.pubsub.topic.v1.messagePublished
    pubsubTopic: projects/qwiklabs-gcp-02-c5bc8705c0ce/topics/cf-demo
    retryPolicy: RETRY_POLICY_DO_NOT_RETRY
    serviceAccountEmail: cloudfunctions@qwiklabs-gcp-02-c5bc8705c0ce.iam.gserviceaccount.com
    trigger: projects/qwiklabs-gcp-02-c5bc8705c0ce/locations/us-central1/triggers/nodejs-pubsub-function-707914
    triggerRegion: us-central1
```

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```
eventTrigger:
  eventType: google.cloud.pubsub.topic.v1.messagePublished
  pubsubTopic: projects/qwiklabs-gcp-02-c5bc8705c0ce/topics/cf-demo
  retryPolicy: RETRY_POLICY_DO_NOT_RETRY
  serviceAccountEmail: cloudfunctionsa@qwiklabs-gcp-02-c5bc8705c0ce.iam.gserviceaccount.com
  trigger: projects/qwiklabs-gcp-02-c5bc8705c0ce/locations/us-central1/triggers/nodejs-pubsub-function-707914
  triggerRegion: us-central1
labels:
  deployment-tool: cli-gcloud
name: projects/qwiklabs-gcp-02-c5bc8705c0ce/locations/us-central1/functions/nodejs-pubsub-function
satisfiesPzi: true
serviceConfig:
  allTrafficOnLatestRevision: true
  availableCpu: '0.1666'
  availableMemory: 256M
  environmentVariables:
    LOG_EXECUTION_ID: 'true'
  ingressSettings: ALLOW_ALL
  maxInstanceCount: 5
  maxInstanceRequestConcurrency: 1
  revision: nodejs-pubsub-function-00001-xap
  service: projects/qwiklabs-gcp-02-c5bc8705c0ce/locations/us-central1/services/nodejs-pubsub-function
  serviceAccountEmail: cloudfunctionsa@qwiklabs-gcp-02-c5bc8705c0ce.iam.gserviceaccount.com
  timeoutSeconds: 60
  uri: https://nodejs-pubsub-function-ia6rqmtduq-uc.a.run.app
state: ACTIVE
updateTime: '2025-12-26T09:12:33.708829918Z'
url: https://us-central1-qwiklabs-gcp-02-c5bc8705c0ce.cloudfunctions.net/nodejs-pubsub-function
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce) $
```

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Contents Cloud Run Functions: Qwik Start - Command Line

Lab setup instructions and requirements

Protect your account and

End Lab 00:31:44 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: student-03-10c2a2e95b1b1

Password: 21dShBs21Hz0

Project ID: qwiklabs-gcp-02-c5bc870!

100/100 Lab instructions and tasks

GSP080 Overview Setup Task 1. Create a function Task 2. Deploy your function Task 3. Test the function Task 4. View logs Task 5. Test your understanding Congratulations!

Task 3. Test the function

After you deploy the function and know that it's active, test that the function writes a message to the cloud log after detecting an event.

- Invoke the PubSub with some data.

```
gcloud pubsub topics publish cf-demo --message="Cloud Function G"
```

Example output:

```
messageIds:  
- '11927162971409664'
```

View logs to confirm that there are log messages with that execution ID.

Task 4. View logs

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student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)\$ gcloud pubsub topics publish cf-demo --message="Cloud Function Gen2" message_ids:
- '17588480999821009'
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)\$

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Lab setup instructions and requirements

Protect your account and

End Lab 00:31:15 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: student-03-10c2a2e95b1b1f

Password: 21dShBs21Hz0

Project ID: qwiklabs-gcp-02-c5bc870!

100/100

GSP080 Overview Setup Task 1. Create a function Task 2. Deploy your function Task 3. Test the function Task 4. View logs Task 5. Test your understanding Congratulations!

Task 4. View logs

- Check the logs to see your messages in the log history:

```
gcloud functions logs read nodejs-pubsub-function \
--region=us-central1
```

Note:
The logs can take around 10 mins to appear. Also, the alternative way to view the logs is, go to [Logging > Logs Explorer](#).

The Cloud Run function will output information similar to below:

```
LEVEL: 
NAME: nodejs-pubsub-function
EXECUTION_ID: h4v6akxf4sxt
TIME_UTC: 2024-08-05 15:15:25.723
LOG: Hello, Cloud Function Gen2!
```

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```
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce)$ gcloud functions logs read nodejs-pubsub-function \
--region=us-central1
LEVEL:
NAME: nodejs-pubsub-function
EXECUTION_ID: mno7mtnypk01
TIME_UTC: 2025-12-26 09:14:51.179
LOG: Hello, Cloud Function Gen2!

LEVEL: I
NAME: nodejs-pubsub-function
EXECUTION_ID:
TIME_UTC: 2025-12-26 09:14:51.012
LOG:

LEVEL: I
NAME: nodejs-pubsub-function
EXECUTION_ID:
TIME_UTC: 2025-12-26 09:12:52.563
LOG:

LEVEL: I
NAME: nodejs-pubsub-function
EXECUTION_ID:
TIME_UTC: 2025-12-26 09:12:48.819
LOG:

LEVEL: I
NAME: nodejs-pubsub-function
```

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EXECUTION_ID:
TIME_UTC: 2025-12-26 09:14:51.012
LOG:

LEVEL: I
NAME: nodejs-pubsub-function
EXECUTION_ID:
TIME_UTC: 2025-12-26 09:12:52.563
LOG:

LEVEL: I
NAME: nodejs-pubsub-function
EXECUTION_ID:
TIME_UTC: 2025-12-26 09:12:48.819
LOG:

LEVEL: I
NAME: nodejs-pubsub-function
EXECUTION_ID:
TIME_UTC: 2025-12-26 09:12:17.991
LOG: Default STARTUP TCP probe succeeded after 1 attempt for container "worker" on port 8080.

LEVEL: I
NAME: nodejs-pubsub-function
EXECUTION_ID:
TIME_UTC: 2025-12-26 09:12:16.661
LOG: Starting new instance. Reason: DEPLOYMENT_ROLLOUT - Instance started due to traffic shifting between revisions due to deployment, traffic split adjustment, or deployment health check.
student_03_10c2a2e95b1b@cloudshell:~/gcf_hello_world (qwiklabs-gcp-02-c5bc8705c0ce) \$

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Lab setup instructions and requirements

Protect your account and

End Lab 00:30:10 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: student-03-10c2a2e95b1b1
Password: 21dShBs21Hz0
Project ID: qwiklabs-gcp-02-c5bc870!

100/100 Lab instructions and tasks

GSP080 Overview Setup Task 1. Create a function Task 2. Deploy your function Task 3. Test the function Task 4. View logs Task 5. Test your understanding Congratulations!

Task 5. Test your understanding

- Below are multiple-choice questions to reinforce your understanding of this lab's concepts. Answer them to the best of your abilities.

✓ True
False

Congratulations!

You used the Google Cloud console to create, deploy, and test a Cloud Run function using the command line.

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