

# Quickstart: Using the gcloud Command-Line Tool

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 [cloud.google.com/functions/docs/quickstart](https://cloud.google.com/functions/docs/quickstart)

This page shows you how to create and deploy a Cloud Function using the [gcloud command-line tool](#).

## Before you begin

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1. In the Google Cloud Console, on the project selector page, select or create a Google Cloud project.

**Note:** If you don't plan to keep the resources that you create in this procedure, create a project instead of selecting an existing project. After you finish these steps, you can delete the project, removing all resources associated with the project.

[Go to project selector](#)

2. Make sure that billing is enabled for your Cloud project. [Learn how to confirm that billing is enabled for your project](#).
3. Enable the Cloud Functions and Cloud Build APIs.  
[Enable the APIs](#)
4. [Install and initialize the Cloud SDK](#).
5. Update **gcloud** components:

```
gcloud components update
```

Need a command prompt? You can use the [Google Cloud Shell](#). The Google Cloud Shell is a command line environment that already includes the Google Cloud SDK, so you don't need to install it. The Google Cloud SDK also comes preinstalled on Google Compute Engine Virtual Machines.

6. Prepare your development environment.  
[Go to the Node.js setup guide](#)

## Get the sample code

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1. Clone the sample repository to your local machine:

```
git clone https://github.com/GoogleCloudPlatform/nodejs-docs-samples.git
```

Alternatively, you can [download the sample](#) as a zip file and extract it.

2. Change to the directory that contains the Cloud Functions sample code:

```
cd nodejs-docs-samples/functions/helloworld/
```

### 3. Take a look at the sample code:

```
/**
 * HTTP Cloud Function.
 * This function is exported by index.js, and is executed when
 * you make an HTTP request to the deployed function's endpoint.
 *
 * @param {Object} req Cloud Function request context.
 *                  More info: https://expressjs.com/en/api.html#req
 * @param {Object} res Cloud Function response context.
 *                  More info: https://expressjs.com/en/api.html#res
 */
exports.helloGET = (req, res) => {
  res.send('Hello World!');
};
```

## Deploy a function

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To deploy the function with an HTTP trigger, run the following command in the directory containing your function:

Node.js Python Go Java C# Ruby PHP

```
gcloud functions deploy helloGET \
--runtime nodejs14 --trigger-http --allow-unauthenticated
```

You can use the following values for the `--runtime` flag to specify your preferred Node.js version:

- `nodejs10`
- `nodejs12`
- `nodejs14`

The `--allow-unauthenticated` flag lets you reach the function without authentication. To require authentication, omit the flag.

## Test the function

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1. When the function finishes deploying, take note of the `httpsTrigger` 's `url` property or find it using the following command:

```
gcloud functions describe helloGET
```

It should look like this:

```
https://GCP_REGION-PROJECT_ID.cloudfunctions.net/helloGET
```

2. Visit this URL in your browser. You should see a `Hello World!` message.

## Delete the function

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To delete the function, run the following command:

Rate and review

