Quickstart using a Linux VM

This page explains how to create a Linux virtual machine instance in Compute Engine using the Google Cloud Console.

Before you begin

1. Sign in (https://accounts.google.com/Login) to your Google Account.

   If you don't already have one, sign up for a new account (https://accounts.google.com/SignUp).

2. In the Cloud Console, on the project selector page, select or create a 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 the project selector page (https://console.cloud.google.com/projectselector2/home/dashboar

3. Make sure that billing is enabled for your Google Cloud project. Learn how to confirm billing is enabled for your project (/billing/docs/how-to/modify-project).

4. Enable the Compute Engine API.

   Enable the API (https://console.cloud.google.com/apis/api/compute.googleapis.com/overview)

Create a virtual machine instance

1. In the Cloud Console, go to the **VM Instances** page.

   Go to the VM Instances page (https://console.cloud.google.com/compute/instances)

2. Click **Create instance**.

3. In the **Boot disk** section, click **Change** to begin configuring your boot disk.

4. On the **Public images** tab, choose **Debian version 9**.

5. Click **Select**.

6. In the **Firewall** section, select **Allow HTTP traffic**.

7. Click **Create** to create the instance.

Name ⊘

instance-2

Region ⊘　　　　　　　　　　　　　**Zone** ⊘

us-east1 (South Carolina)　▾　　　us-east1-b　　　　　　　▾

Machine type
Customize to select cores, memory and GPUs.

1 vCPU　　　　▾　　　　3.75 GB memory　　　　Customize

Container ⊘
☐ Deploy a container image to this VM instance. Learn more

Boot disk ⊘

New 10 GB standard persistent disk
Image
Google Drawfork Debian GNU/Linux 9　　　　Change

Identity and API access ⊘

Service account ⊘
Compute Engine default service account　　　　　▾

Access scopes ⊘
◉ Allow default access
○ Allow full access to all Cloud APIs
○ Set access for each API

Firewall ⊘
Add tags and firewall rules to allow specific network traffic from the Internet
☑ Allow HTTP traffic
☐ Allow HTTPS traffic

⌄ Management, security, disks, networking, sole tenancy

You will be billed for this instance. Compute Engine pricing ⬀

Create　　Cancel

Equivalent REST or command line

Allow a short time for the instance to start. After the instance is ready, it is listed on the **VM instances** page with a green status icon.

Connect to your instance

1. In the Cloud Console, go to the **VM instances** page.

   [Go to the VM instances page](https://console.cloud.google.com/compute/instances) (https://console.cloud.google.com/compute/instances)

2. In the list of virtual machine instances, click **SSH** in the row of the instance that you want to connect to.

Name ^	Zone	Recommendation	Internal IP	External IP	Connect
✓ instance-1	us-east1-b		10.142.0.2 (nic0)	35.231.114.114 ↗	SSH ▾ ⋮

You now have a terminal window for interacting with your Linux instance.

Clean up

To avoid incurring charges to your Google Cloud account for the resources used in this quickstart, follow these steps.

1. In the Google Cloud Console, go to the **VM instances** page.

   [Go to the VM instances page](https://console.cloud.google.com/compute/instances) (https://console.cloud.google.com/compute/instances)

2. Click the name of the instance you created.

3. At the top of the instance's details page, click **Delete**.

What's next

- Work through a tutorial to Set up a basic web server (/compute/docs/tutorials/basic-webserver-apache) on your new instance.

- Work through a guided Getting started tutorial (https://console.cloud.google.com/start?tutorial=compute_short_quickstart) in the Google Cloud Console.

- Work through Managing Google Cloud projects with Terraform
    (/community/tutorials/managing-gcp-projects-with-terraform) tutorial.

- Learn how to create and manage virtual machine instances
    (/compute/docs/instances/create-start-instance) using the `gcloud` command-line tool and API.

- Learn more about the Linux images available on Compute Engine
    (/compute/docs/images#os-compute-support).

- Learn how to Transfer your files to your instance (/compute/docs/instances/transfer-files).