

Seed Labs – Google Cloud Setup

1. Create a personal gmail account if you do not have one.
2. Do not use the UP's google account, this will cause you to lose your credits.
3. Redeem your coupons using:

Here is the URL you will need to access in order to request a Google Cloud coupon. You will be asked to provide your school email address and name. An email will be sent to you to confirm these details before a coupon is sent to you.

[Student Coupon Retrieval Link](#)

- You will be asked for a name and email address, which needs to match your school domain. A confirmation email will be sent to you with a coupon code.
- You can request a coupon from the URL and redeem it until: **3/1/2022**
- Coupon valid through: **11/1/2022**
- You can only request ONE code per unique email address.

4. Follow the instructions under:

<https://github.com/seed-labs/seed-labs/blob/master/manuals/cloud/seedvm-cloud.md>

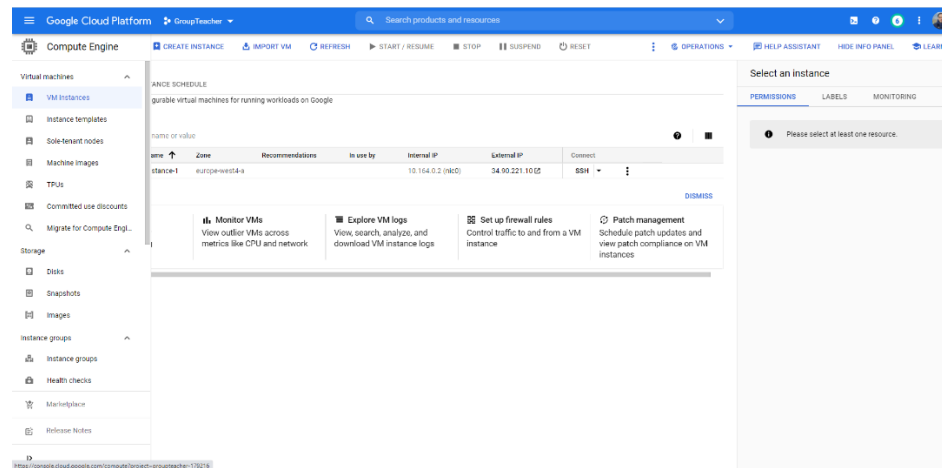
Summary:

1. Go to google console after redeeming the credits:

<https://console.cloud.google.com/>

2. Go to virtual instances (Compute Engine)

3. Create a VM



Google Cloud Platform

Group/Project

Search products and resources

Create an instance

To create a VM instance, select one of the options:

New VM instance

Create a single VM instance from scratch

New VM instance from template

Create a single VM instance from an existing template

New VM instance from machine image

Create a single VM instance from an existing machine image

Marketplace

Deploy a ready-to-go solution onto a VM instance

Name

vm-for-seeddata

Labels

+ ADD LABELS

Region

europa-west4 (Netherlands)

Zone

europa-west4-a

Machine configuration

Machine family

GENERAL PURPOSE

COMPUTE OPTIMIZED

MEMORY OPTIMIZED

GPU

Machine types for common workloads, optimized for cost and flexibility

Series

N2

Powered by Intel Cascade Lake and Ice Lake CPUs

Machine type

Custom

Cores

2

128

2

VCPUs

Memory

1

16

4

GB

☐

Extend Memory

CPU platform

Automatic

GPUs

The number of attached GPUs affects the VM's maximum number of memory and CPUs.

Learn More

+ ADD GPU

CPU PLATFORM AND GPU

Monthly estimate

\$52.64

That's about \$9.97 hourly

Pay for what you use: No upfront costs and per-second billing

DETAILS

Create an instance

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Marketplace

Deploy a ready-to-go solution onto a VM instance

☐

Enable the Confidential Computing service on this VM instance

Container

Deploy a container image to this VM instance

DEPLOY CONTAINER

Boot disk

Type

New persistent persistent disk

Size

16 GB

Image

Debian GNU/Linux 10 (buster)

CHANGE

Identity and API access

Service accounts

Service account

Compute Engine default service account

Access scopes

Allow default account

Allow full access to all Cloud APIs

Set access for each API

Firewall

☐

Allow inbound traffic to allow specific network traffic from the internet

☐

Allow HTTP traffic

☐

Allow HTTPS traffic

NETWORKING, DISKS, SECURITY, MANAGEMENT, SOLE TENANCY

You will be billed for this instance. [Compute Engine pricing](#)

CREATE

CANCEL

EQUIVALENT COMMAND LINE

Boot disk

Select an image or snapshot to create a boot disk, or attach an existing disk. Careful! What you're looking for? Explore hundreds of VM solutions in [Marketplace](#)

PUBLIC IMAGES

CUSTOM IMAGES

SNAPSHOTS

EXISTING DISKS

Operating system

Ubuntu

Version

Ubuntu 20.04 LTS

Ubuntu 20.04 LTS

Ubuntu 20.04 LTS

Boot disk type

Standard persistent disk

SSD

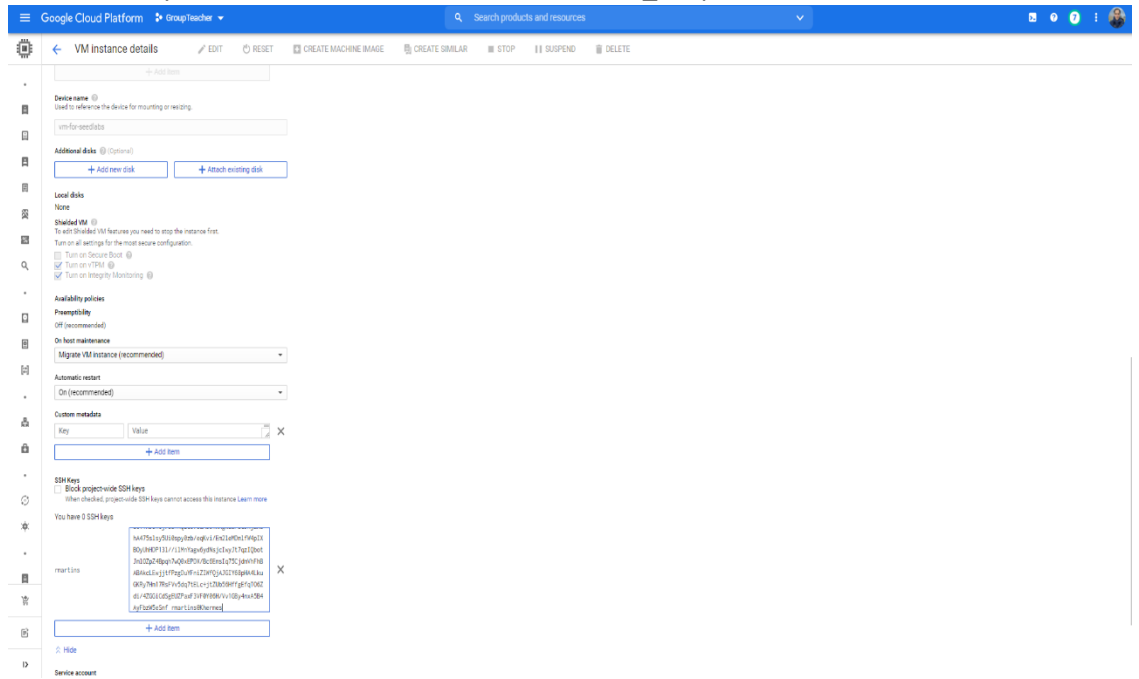
SHOW ADVANCED CONFIGURATION

SELECT

CANCEL

4. Generate a local ssh key (linux):
 - After creation, it is located at .ssh/id_rsa.pub
5. Go to details of your VM and click Edit.

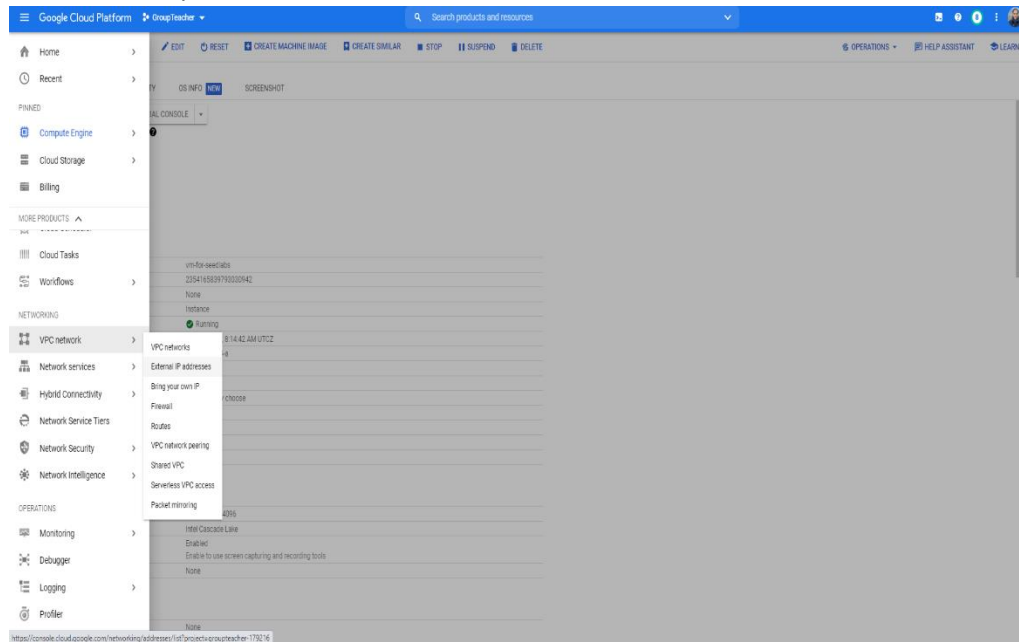
6. Go to SSH Keys and click add. Place the contents of id_rsa.pub here.

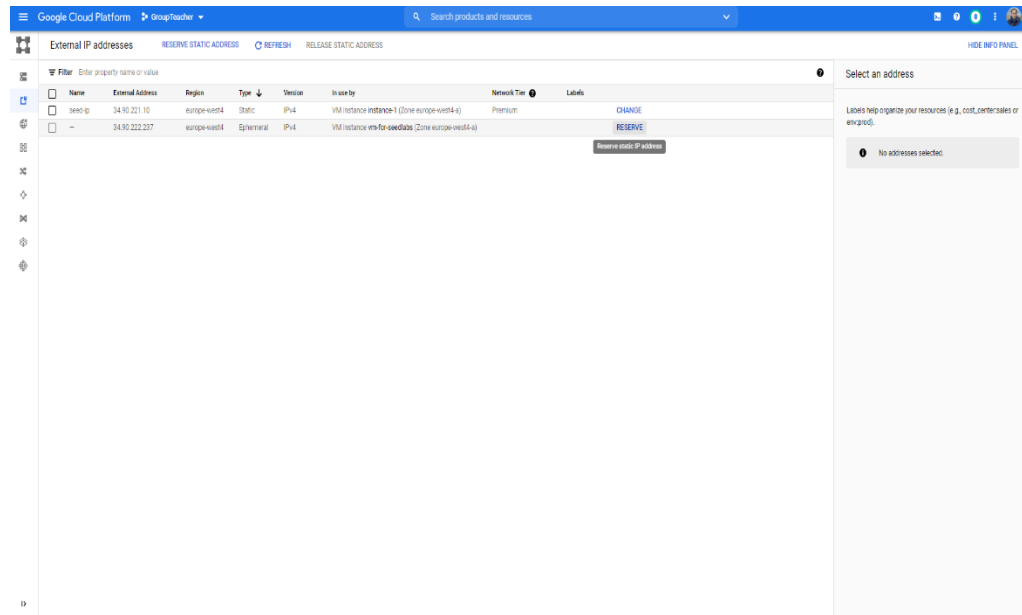


7. Click Save.

Optional:

a. Reserve a static public address





Final:

Follow the instructions under Step 2: Install Software and Configure System in <https://github.com/seed-labs/seed-labs/blob/master/manuals/cloud/seedvm-cloud.md>

