Google cloud credits for final project

Hi everyone,

For your final project, you can use Google Cloud, which has GPU servers (necessary for deep learning). Google has generously provided $50 credits for each student.

Here is the URL you will need to access in order to request a Google Cloud Platform 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.

https://google.secure.force.com/GCPEDU?cid=QhIPLBidjDm3WPt3iWzM%2Be4rCs4w2u8vap0tT80c3pC1wm%2BBaGYBgsTQqoJVyWXu

Redeem your credit in this link

Coupon code

Credit amount | **Expiration date** | **Course**
$50.00 | Sep 24, 2020 | ECS 269: Visual Recognition

Terms of Service

☑ I have read and agree to the Zync Terms of Service.

Country of residence

United States ▾

Google Cloud Platform education grants credits terms and conditions

By clicking "Accept and continue" below, you, on behalf of yourself and the organization you represent ("You") agree to these terms and conditions:

The credit is valid for Google Cloud Platform products and is subject to Your acceptance of the applicable Google Cloud Platform License Agreement and any other applicable terms of service. The credit is non-transferable and may not be sold or bartered. Unused credit expires on the date indicated on the media conveying the promotion code. The credit may be issued in increments as You use the credit over the period of time during which the credit is valid. Offer void where prohibited by law.

You represent that you are accepting the promotional credit on behalf of your educational institution and the credit can only be used on behalf of the educational entity and not for your personal use. You represent, on behalf of such educational entity, that (i) You are authorized to accept this credit; (ii) the credit is consistent with all applicable laws and regulations, including relevant ethics rules and laws; and (iii) the provision of credits will not negatively impact Google's current or future ability to do business with such educational entity.

You agree that we may share the following information with your educational institution and course instructor: (1) personal information that you provide to us during the coupon redemption process and (2) information regarding your use of the coupon and Google Cloud Platform products.

Accept and continue | Clear

DASHBOARD   ACTIVITY

✎ CUSTOMIZE

●● Project info   ⋮

Project name
My First Project

Project ID
indigo-union-257123

Project number
543338097980

ADD PEOPLE TO THIS PROJECT

→ Go to project settings

⊡ Compute Engine   ⋮

CPU (%)

```
                                                    0.20

                                                    0.15

                                                    0.10

                                                    0.05

                                                      0
        5 PM      5:15      5:30      5:45
```

● Instance/cpu/utilization: 2.9e-3

→ Go to Compute Engine

◎ Resources   ⋮

⊡ Compute Engine
   2 instances

≟ Trace   ⋮

No trace data from the past 7 days

→ Get started with Stackdriver Trace

API APIs   ⋮

Requests (requests/sec)

⊙ Google Cloud Platform status   ⋮

All services normal

→ Go to Cloud status dashboard

⊛ Error Reporting   ⋮

No sign of any errors. Have you set up Error Reporting?

→ Learn how to set up Error Reporting

▤ News   ⋮

The top 5 videos on the new Google Maps Platform YouTube channel
7 hours ago

What can Google Cloud do for you? New trainings for business
professionals
8 hours ago

Exploring Container Security: Vulnerability management in open-
source Kubernetes
8 hours ago

→ Read all news

Q   virtual   ▾

⊡   **Instances**
    Compute Engine

☵   **Cloud Virtual Network**
    Google

◈   **Qualys Virtual Firewall Appliance**

Compute Engine
VM instances

Compute Engine lets you use virtual machines that run on Google's infrastructure. Create micro-VMs or larger instances running Debian, Windows, or other standard images. Create your first VM instance, import it using a migration service, or try the quickstart to build a sample app.

Create or Import or Take the quickstart

Name ⊘

myproject

Enter instance name

Region ⊘   **Zone** ⊘

us-central1 (Iowa) ▼   us-central1-a ▼

Choose region

Machine configuration ⊘

Machine family

| General-purpose | Memory-optimized |

Machine types for common workloads, optimized for cost and flexibility

Generation

First ▼

Powered by Skylake CPU platform or one of its predecessors

Machine type

n1-standard-1 (1 vCPU, 3.75 GB memory) ▼

Choose cpu

	vCPU	Memory
	1	3.75 GB

Request quota before

CPU platform ⊘

Automatic ▼

GPUs ⊘

+ Add GPU

Choose gpu

Display device
Turn on a display device if you want to use screen capturing and recording tools.
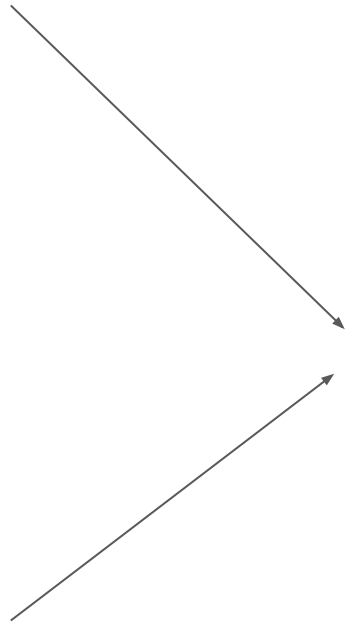
☐ Turn on display device

Choose service according to your location and gpus, and click edit

IAM & admin

- IAM
- Identity & Organization
- Troubleshooter
- Organization policies
- **Quotas**
- Service accounts
- Labels
- Settings
- Privacy & Security
- Cryptographic keys
- Identity-Aware Proxy
- Roles
- Audit Logs

Quotas ⊞ EDIT QUOTAS

Quota type	Service	Metric	Location	
All quotas ▾	All services ▾	All metrics ▾	All locations ▾	Clear

☐ Service	Location	Current Usage ⍰	7 Day Peak Usage ⌃	Limit
☐ Compute Engine API Read requests per 100 seconds	Global	0.05	4	2,000
☐ Compute Engine API List requests per 100 seconds	Global	0.006	1	2,000
☐ Compute Engine API Queries per day	Global	0	0	Unlimited
☐ Compute Engine API Queries per 100 seconds	Global	0	0	2,000
☐ Compute Engine API Operation read requests per 100 seconds	Global	0	0	2,000
☐ Compute Engine API Heavy-weight read requests per 100 seconds	Global	0	0	1,000
☐ Compute Engine API Heavy-weight mutation requests per 100 seconds	Global	0	0	1,000
☐ Compute Engine API Instance SimulateMaintenanceEvent requests per day	Global	0	0	30
☐ Compute Engine API Instance SimulateMaintenanceEvent requests per 100 seconds	Global	0	0	200
☐ Compute Engine API	Global	0	0	30

1 quota selected

Compute Engine API

Quota: Read requests per 100 seconds

New quota limit
Enter a new quota limit. Your request will be sent to your service provider for approval.

Current limit: 2,000

Request description

Required

Enter a description about your request

Done   Cancel

Submit request   Back

Specify limit and reason

New 100 GB SSD persistent disk

Image

Ubuntu 18.04 LTS Minimal

Change

amd64 eoan image built on 2019-10-22

○ Ubuntu 16.04 LTS Minimal
amd64 xenial minimal image built on 2019-10-24

● Ubuntu 18.04 LTS Minimal
amd64 bionic minimal image built on 2019-10-24

○ Ubuntu 19.04 Minimal
amd64 disco minimal image built on 2019-10-19

○ Ubuntu 19.10 Minimal
amd64 eoan minimal image built on 2019-10-22

○ Container-Optimized OS 69-10895.385.0 stable
Kernel: ChromiumOS-4.14.145 Kubernetes: 1.11.8 Docker: 17.03.2 Family: cos-69-lts

○ Container-Optimized OS 73-11647.338.0 stable
Kernel: ChromiumOS-4.14.147 Kubernetes: 1.13.3 Docker: 18.09.7 Family: cos-73-lts

○ Container-Optimized OS 77-12371.89.0 stable
Kernel: ChromiumOS-4.19.76 Kubernetes: 1.15.3 Docker: 19.03.1 Family: cos-77-lts,

Can't find what you're looking for? Explore hundreds of VM solutions in Marketplace

Boot disk type ?

SSD persistent disk

Size (GB) ?

100

Select   Cancel

Availability policy

Preemptibility
A preemptible VM costs much less, but lasts only 24 hours. It can be terminated sooner due to system demands. Learn more

On ▼

In management, turn on preemptibility

Management   Security   **Disks**   Networking   Sole Tenancy

Boot disk
Deletion rule
☐ Delete boot disk when instance is deleted

In disk, uncheck this option

	Name ∧	Zone	Recommendation	In use by	Internal IP	External IP	Connect
☐ ✅	instance-1	us-central1-a			10.128.0.7 (nic0)	35.224.134.237	SSH ▾ ⋮

yhnli@instance-1: ~ - Google Chrome

🔒 https://ssh.cloud.google.com/projects/indigo-union-257123/zones/us-central1-a/instances/instance-1?authuser=0&hl=en_US&proje...

```
Connected, host fingerprint: ssh-rsa 0 DE:86:67:A9:26:CD:F6:A4:53:D4:8A:43:92:30
:00:79:F7:A1:F1:03:EA:7A:6A:77:28:5F:84:AE:E9:51:15:43
Linux instance-1 4.9.0-11-amd64 #1 SMP Debian 4.9.189-3+deb9u1 (2019-09-20) x86_
64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
yhnli@instance-1:~$
```

Recommendation for environment

Install anaconda: https://docs.anaconda.com/anaconda/install/linux/

Install pytorch: https://pytorch.org/