

Google Cloud Compute

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How to

Add credit

1. Ask your project advisor for your coupon code
2. Log in with the Google account of your choice
3. Go to: <https://console.cloud.google.com/education>
4. Introduce the coupon code and follow the steps in the site to exchange your code for Google Cloud credits
5. Go to the [Google Cloud Console](#)
6. Click on the hamburger icon (the icon with three bars in the top left) and then go to *Billing*
7. You should see the \$50 credit in your account

Create the project

Only one of the members of the team should create the project. Once created it will be shared amongst the group (more in a bit)

1. Follow the instructions on this [link](#) to create a project
2. Follow the instructions on this [link](#), *Approach #2: any sized group* to share the project with your teammates.

GPU quota

1. First of all you need to request to increase your “GPU Quota” in order to be able to use instances with GPUs attached
2. Open hamburger icon and go to “IAM & admin” → “Quotas”
3. In the “Metrics” filter, uncheck everything and look for one called “GPUs (all regions)”
4. Once selected, select the quota’s checkbox and then click on the blue button “Edit Quotas”
5. Fill in the form
6. Request for 1 GPU and then click on submit
7. You should receive a couple of emails in the following minutes notifying you that the request has been received and another one with accepting the new quota

Create instance

1. Open menu bar (hamburger icon) and go to “Compute engine”
2. Go to marketplace and search for “Deep Learning VM”. Select it
3. Click “Launch on Compute Engine”
4. Setup a name in the “Deployment name” field
5. Select the desired framework
6. Make sure you check the “Install NVIDIA GPU driver” checkbox!
7. In the Boot Disk section, I would suggest leaving the disk type as it is but increasing the size to 150GB. You will see that this only increases a couple of dollars the *monthly* price, disk is quite cheap. You will store your datasets here so it’s worth having enough space. The alternative would be starting with a small disk and then attaching new volumes, but that means more setup stuff
8. Click “Deploy”

Access the server instance

1. Open the menu and go to “Compute Engine” → “VM Instances”
2. You will see your recently launched instance there
3. Click the “SSH” button under “Connect” and a new browser will open with an SSH connection. More in this [link](#)
4. Once you are done you should stop your instance to avoid incurring in extra payment
5. Click on the instance and then the stop button (the blue square at the top)