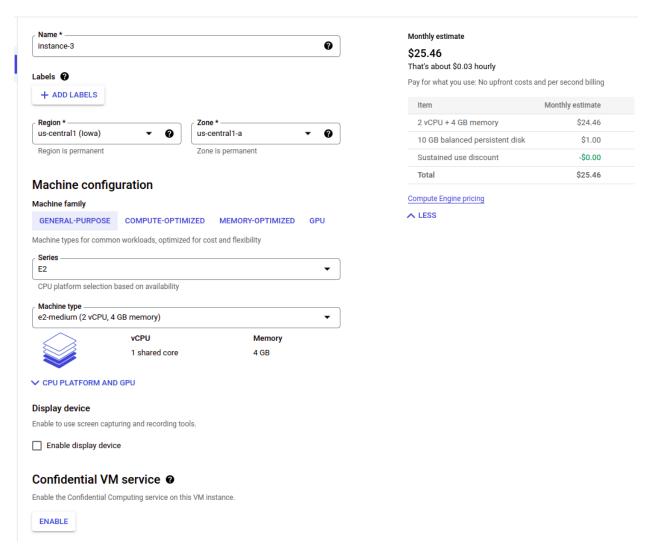
GCP and PyTorch set up document

GCP instance set up

- Create an account on GCP. GCP gives you USD credit that you can use on various services within GCP.
- 2. Install or update to the latest version of the Google Cloud CLI if you intend to connect to the VM from your command line
- 3. Login to GCP console and go the the VM instances page
- 4. Select the project and continue.
- 5. Choose your desired configurations (We have used e2-standard-8 instance)



- 6. Choose Ubuntu 20.04 image
- 7. Choose Firewall setting to allow HTTPS traffic

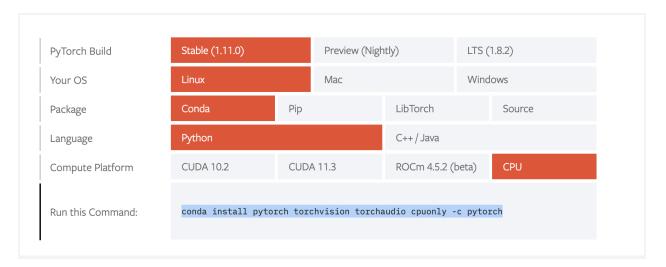
Installing PyTorch

- 1. PyTorch can be installed and used on various linux distributions. In our case we have Ubuntu flavor of Linux.
- 2. To install the Anaconda on the linux machine, we use the command line installer and run the below command:

```
curl -0
https://repo.anaconda.com/miniconda/Miniconda3-latest-Linux-x86_64.s
h
sh Miniconda3-latest-Linux-x86_64.sh
```

3. To install PyTorch via Anaconda, and we should have a CUDA-capable system, in the above selector, choose OS: Linux, Package: Conda and the CUDA version suited to your machine. Often, the latest CUDA version is better. Then, run the command that is presented to you.

conda install pytorch torchvision torchaudio cpuonly -c pytorch



Verification:

To ensure that PyTorch was installed correctly, we can verify the installation by running sample PyTorch code.

```
import torch
x = torch.rand(5, 3)
print(x)
```

The output should come something like this:

4. To install the packages, run the below command in your terminal conda install --file requirements.txt