apt update

apt install git

git clone --recursive https://github.com/pytorch/pytorch

cd pytorch

# if you are updating an existing checkout

# git submodule sync

# git submodule update --init –recursive

# python3 tools/amd\_build/build\_amd.py

>>Disable ROCm support

# export USE\_ROCM=0

>>Disable CUDA support

# export USE\_CUDA=0

apt install python3-pip --fix-missing

cd /opt/pytorch/doc/

apt install python3-pip

pip install -r requirements.txt

apt install cmake

apt install npm

npm install -g katex

git submodule deinit -f .

git clean -xdf

python setup.py clean

git submodule update --init --recursive # very important to sync the submodules

python setup.py develop # then try running the command again

centos 7.9

1. git clone <https://github.com/pytorch/pytorch.git>
2. git submodule sync
3. git submodule update --init –recursive

Download the PyTorch v1.8.1 source package. For PyTorch 1.11.0, replace the version number with v1.11.0.

git clone -b v1.8.1 https://github.com/pytorch/pytorch.git --depth=1 pytorch\_v1.8.1

Access the source package to obtain the passive dependency code.

cd pytorch\_v1.8.1

git submodule sync

git submodule update --init --recursive

Configure environment variables.

export USE\_XNNPACK=0

Perform compilation-based installation.

python3 setup.py install

error: Building wheel torch-2.1.0a0+git6ac3352

-- Building version 2.1.0a0+git6ac3352

cmake --build . --target install --config Release -- -j 2

Error: could not find CMAKE\_PROJECT\_NAME in Cache

mv build/CMakeCache.txt /opt/ OR rm –rvf build/CMakeCache.txt

python3 setup.py install

CMake Error at cmake/Dependencies.cmake:1074 (message):

Python development libraries could not be found.

Call Stack (most recent call first):

CMakeLists.txt:705 (include)

apt-get install python-dev

apt-get install python3.8 python3.8-dev python3.8-distutils python3.8-venv

rm –rvf build/CMakeCache.txt

python3 setup.py install

OR

python setup.py install --home=<dir>

OR

/usr/bin/python setup.py install --prefix=/usr/local

vim .baserc

export PATH=/opt/pytorch/build/bin:$PATH

export LD\_LIBRARY\_PATH=/opt/pytorch/build/lib:${LD\_LIBRARY\_PATH}

export PATH=/opt/pytorch/build/include:$PATH

**>>>> To ensure that PyTorch was installed correctly,**

#python ## enter

>> import torch

>> x = torch.rand(5, 3)

>> print(x)

>> import torch

>> torch.cuda.is\_available()