

A. CUDA 11.4 Installation

1. Upgrade the system, and reboot if required.

\$ sudo apt update

\$ sudo apt upgrade

\$ sudo reboot

2. Install CUDA Toolkit from official site.

\$ wget https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2004/x86_64/cuda-ubuntu2004.pin

\$ sudo mv cuda-ubuntu2004.pin /etc/apt/preferences.d/cuda-repository-pin-600

\$ wget https://developer.download.nvidia.com/compute/cuda/11.4.0/local_installers/cuda-repo-ubuntu2004-11-4-local_11.4.0-470.42.01-1_amd64.deb

\$ sudo dpkg -i cuda-repo-ubuntu2004-11-4-local_11.4.0-470.42.01-1_amd64.deb

\$ sudo apt-key add /var/cuda-repo-ubuntu2004-11-4-local/7fa2af80.pub

\$ sudo apt-get update

\$ sudo apt-get -y install cuda

3. Add CUDA into the PATH.

\$ echo 'export PATH=/usr/local/cuda-11.4/bin\${PATH:+:\${PATH}}' >> ~/.bashrc

\$ echo 'export LD_LIBRARY_PATH=/usr/local/cuda11.4/lib64\${LD_LIBRARY_PATH:+:\${LD_LIBRARY_PATH}}' >> ~/.bashrc

4. Reboot the computer.

\$ sudo reboot

5. Verify the installation.

\$ nvcc --version

\$ nvidia-smi

B. Anaconda Installation

1. Install Anaconda

wget https://repo.anaconda.com/archive/Anaconda3-2020.02-Linux-x86_64.sh

bash Anaconda3-2020.02-Linux-x86_64.sh

2. Reboot the computer.

\$ sudo reboot