```
pip3.5 install -i http://192.168.25.200/ali --trusted-host 192.168.25.200 tensorflow==1.14.0 pip3.5 install -i http://192.168.25.200/ali --trusted-host 192.168.25.200 tensorflow-gpu==1.14.0 安装对应版本的CUDA10
```

https://developer.nvidia.com/compute/cuda/10.0/Prod/local installers/cuda-repo-rhe17-10-0-local-10.0.130-410.48-

1.0-1.x86 64

- 1. `sudo rpm -i cuda-repo-rhel7-10-0-local-10.0.130-410.48-1.0-1.x86_64.rpm`
- 2. 'sudo yum clean all'
- 3. 'sudo yum install cuda'

安装对应版本的cuDNN10

https://developer.nvidia.com/rdp/cudnn-archive

```
rpm -ivh libcudnn7-7.6.5.32-1.cuda10.0.x86_64.rpm
rpm -ivh libcudnn7-devel-7.6.5.32-1.cuda10.0.x86_64.rpm
rpm -ivh libcudnn7-doc-7.6.5.32-1.cuda10.0.x86_64.rpm
```

Download cuDNN v7.6.5 (November 5th, 2019), for CUDA 10.0

Library for Windows, Mac, Linux, Ubuntu and RedHat/Centos(x86_64architectures)

cuDNN Library for Windows 7

cuDNN Library for Windows 10

cuDNN Library for Linux

cuDNN Library for OSX

cuDNN Runtime Library for Ubuntu18.04 (Deb)

cuDNN Developer Library for Ubuntu18.04 (Deb)

cuDNN Code Samples and User Guide for Ubuntu18.04 (Deb)

cuDNN Runtime Library for Ubuntu16.04 (Deb)

cuDNN Developer Library for Ubuntu16.04 (Deb)

cuDNN Code Samples and User Guide for Ubuntu16.04 (Deb)

cuDNN Runtime Library for Ubuntu14.04 (Deb)

cuDNN Developer Library for Ubuntu14.04 (Deb)

cuDNN Code Samples and User Guide for Ubuntu14.04 (Deb)

Library for Red Hat (x86_64 & Power architecture)

cuDNN Runtime Library for RedHat/Centos 7.3 (RPM)

cuDNN Developer Library for RedHat/Centos 7.3 (RPM)

cuDNN Code Samples and User Guide for RedHat/Centos 7.3 (RPM)

cuDNN Runtime Library for RedHat/Centos 7.3 Power (RPM)

cuDNN Developer Library for RedHat/Centos 7.3 Power (RPM)

cuDNN Code Samples and User Guide for RedHat/Centos 7.3 Power [RPM]

--测试

```
import tensorflow as tf
print('GPU', tf. test. is_gpu_available())
```

```
>>> import tensorflow as tf
print('GPU', tf.test.is_gpu_available())
>>> print('GPU', tf.test.is_gpu_available())
>>> print('GPU', tf.test.is_gpu_available())
>>> print('GPU', tf.test.is_gpu_available())
>>> print('GPU', tf.test.is_gpu_available())
2020-07-31 15:15:22.349775: I tensorflow/core/platform/cpu_feature_guard.cc:142] Your CPU supports instructions that this TensorFlow binary was not 2020-07-31 15:15:22.349775: I tensorflow/compiler/xla/service/service.cc:163] XLa service 0x5969460 executing computations on platform (LDA. Devices 2020-07-31 15:15:26.056401: I tensorflow/compiler/xla/service/service.cc:1763] XLa service 0x5969460 executing computations on platform (LDA. Devices 2020-07-31 15:15:26.056401: I tensorflow/compiler/xla/service/service.cc:175]
StreamExecutor device (1): Tesla P100-PCIE-12GB. Compute Capability 2020-07-31 15:15:26.0669384: I tensorflow/core/platform/profile_utils/cpu_utils.cc:94] CPU Frequency: 2300000000 Hz 2020-07-31 15:15:26.0669375: I tensorflow/compiler/xla/service/service.cc:168] XLa service 0x5ab3d00 executing computations on platform Host. Devices 2020-07-31 15:15:26.066375: I tensorflow/compiler/xla/service/service.cc:168] XLa service 0x5ab3d00 executing computations on platform Host. Devices 2020-07-31 15:15:26.066375: I tensorflow/core/common_rutime/gpu/gpu_device.cc:1640] Found device 0 with properties:
name: Tesla P100-PCIE-12GB major: 6 minor: 0 memoryClockRate(GHz): 1.3285
pciBusID: 0000:3b:00.0
2020-07-31 15:15:26.070439: I tensorflow/stream_executor/platform/default/dso_loader.cc:42] Successfully opened dynamic library libcublas.so.10.0
2020-07-31 15:15:25.079439: I tensorflow/stream_executor/platform/default/dso_loader.cc:42] Successfully opened dynamic library libcublas.so.10.0
2020-07-31 15:15:25.079439: I tensorflow/stream_executor/platform/default/dso_loader.cc:42] Successfully opened dynamic library libcuslover.so.10.0
2020-07-31 15:15:25.079439: I tensorflow/stream_executor/platform/default/dso_loader.cc:42] Successfully opened dynamic library libcuslo
```

Ubuntu参考同事李思源的 http://siyuanblog.com/?p=915