RDP connection

sudo apt-get update

sudo apt-get update

sudo apt-get install xfce4

sudo apt-get -y install xrdp

sudo systemctl enable xrdp

echo xfce4-session >~/.xsession

sudo service xrdp restart

install chrome in VM

wget https://dl.google.com/linux/direct/google-chrome-stable\_current\_amd64.deb

sudo apt install ./google-chrome-stable\_current\_amd64.deb

Putty

sudo lshw -c display

sudo apt-get install ubuntu-drivers-common

sudo ubuntu-drivers devices

sudo ubuntu-drivers autoinstall

sudo shutdown -r now

close putty and reopen

sudo lshw -c display

prime-select query

for CUDA and cuDNN v7.0.5[Dec 5,2017]for CUDA 9.0

search CUDA 9.0 linux and download 1.2GB deb file

cd Downloads

ls

sudo dpkg -i cuda-repo-ubuntu1604-9-0-local\_9.0.176-1\_amd64.deb

sudo apt-key add /var/cuda-repo-<version>/7fa2af80.pub

sudo apt-key add /var/cuda-repo-9-0-local/7fa2af80.pub

sudo apt-get update

sudo apt-get install cuda

Search cudnn archive download in VM…and download cuDNN v7.0.5[Dec 5,2017] for CUDA 9.0 both Runtime and Developer Library for ubu 16.04

export PATH=/usr/local/cuda-10.0/bin${PATH:+:${PATH}}

export LD\_LIBRARY\_PATH=/usr/local/cuda-10.0/lib64\${LD\_LIBRARY\_PATH:+:${LD\_LIBRARY\_PATH}}

Install CuDNN Run Time

sudo dpkg -i libcudnn7\_7.0.5.15-1+cuda9.0\_amd64.deb

Install CuDNN Dev

sudo dpkg -i libcudnn7-dev\_7.0.5.15-1+cuda9.0\_amd64.deb

Docker install

uninstall old version

sudo apt-get remove docker docker-engine docker.io containerd runc

sudo apt-get update

sudo apt-get install \

apt-transport-https \

ca-certificates \

curl \

gnupg-agent \

software-properties-common

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -

sudo apt-key fingerprint 0EBFCD88

sudo add-apt-repository \

"deb [arch=amd64] https://download.docker.com/linux/ubuntu \

$(lsb\_release -cs) \

stable"

sudo apt-get update

sudo apt-get install docker-ce docker-ce-cli containerd.io

sudo docker run hello-world

sudo groupadd docker

sudo usermod -aG docker $USER

sudo shutdown -r now

docker run hello-world

git clone https://github.com/NVIDIA/nvidia-docker.git

distribution=$(. /etc/os-release;echo $ID$VERSION\_ID)

curl -s -L https://nvidia.github.io/nvidia-docker/gpgkey | sudo apt-key add -

curl -s -L https://nvidia.github.io/nvidia-docker/$distribution/nvidia-docker.list | sudo tee /etc/apt/sources.list.d/nvidia-doker.list

sudo apt-get update && sudo apt-get install -y nvidia-container-toolkit

sudo systemctl restart docker

docker run --gpus all nvidia/cuda:10.0-base nvidia-smi

sudo apt-get install nvidia-docker2

sudo pkill -SIGHUP dockered

docker run --runtime=nvidia --rm nvidia/cuda nvidia-smi

goto supervisely-->copy link from instruction and paste in putty

ngc registry model download-version nvidia/tlt\_dashcamnet:pruned\_v1.0 --dest ./

sudo docker run --runtime=nvidia -it -v "/home/sharma/tlt-experiments":"/workspace/tlt-experiments" -p 8883:8883 nvcr.io/nvidia/tlt-streamanalytics:v2.0\_dp\_py2 /bin/bash

https://medium.com/@nithujust/nvidia-docker2-installation-procedure-in-ubuntu16-04-a9a5d8513cba ngc registry model list nvidia/tlt\_pretrained\_object\_detection:\*