Checklist for successful DDP set up

Drive link for story_gen: 🔺 story_gen

Link to update google sheets: 🟢 username and ips

Link for the present doc online:
📄 Checklist for successful DDP set up

Part 1

- ● Update Ubuntu OS

  sudo apt-get update && sudo apt-get upgrade && sudo apt-get dist-upgrade
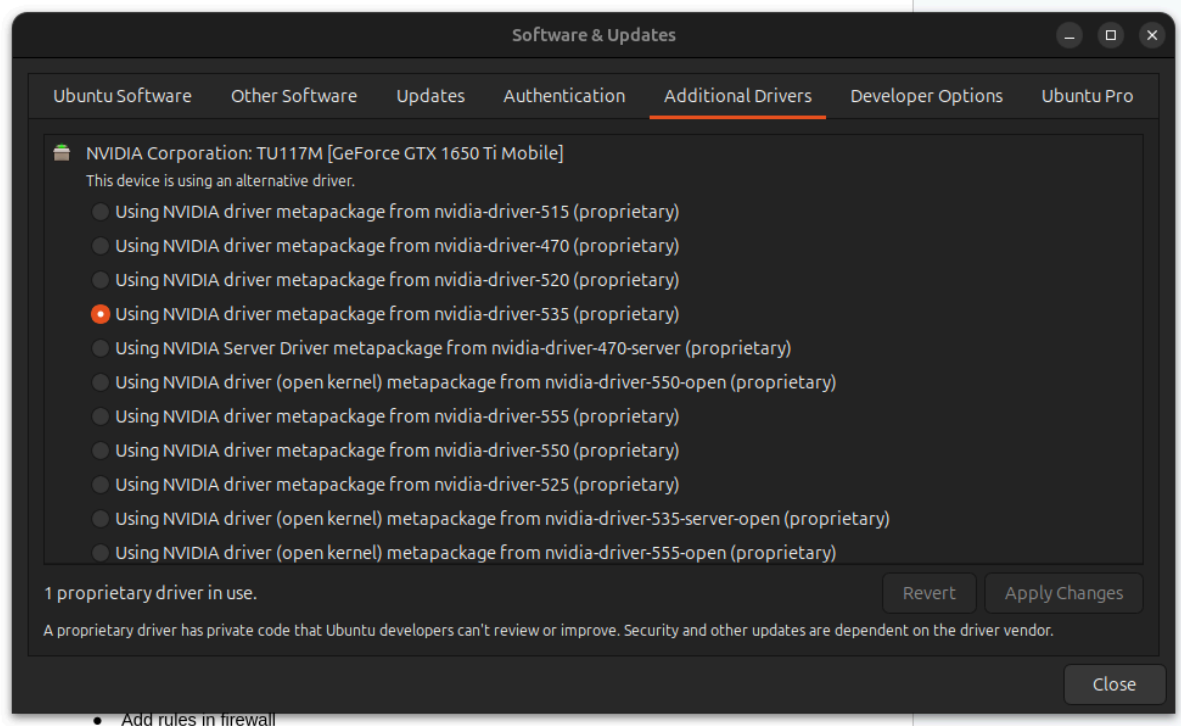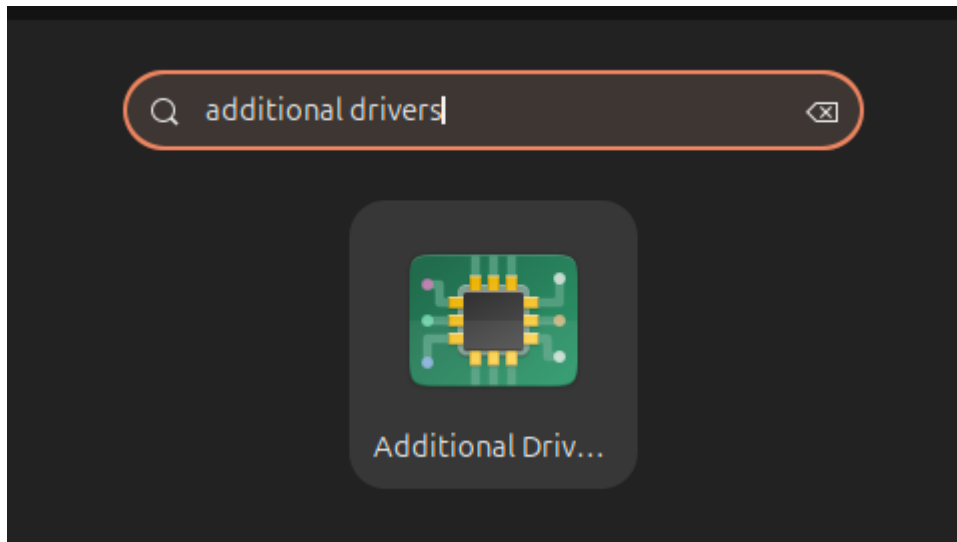
- ● Install net tools

```
sudo apt install net-tools
```

- ● Install ssh service

```
sudo apt install openssh-server
```

- Update nvidia drivers

Select nvidia-driver-535(properiotory)

- Install miniconda

```
mkdir -p ~/miniconda3
wget https://repo.anaconda.com/miniconda/Miniconda3-latest-Linux-x86_64.sh -O
~/miniconda3/miniconda.sh
```

```
bash ~/miniconda3/miniconda.sh -b -u -p ~/miniconda3
rm -rf ~/miniconda3/miniconda.sh
```

- Initialize miniconda

```
~/miniconda3/bin/conda init bash
~/miniconda3/bin/conda init zsh
```

- Create conda environment

```
conda create -n ddp_setup python=3.8 -y
conda activate ddp_setup
```

- Install requirements in the correct folder

```
conda activate ddp_setup
cd ddp_setup/story_gen
pip install -e .
```

Note: Make sure there's setup.py file in the ddp_setup folder

setup.py

- Other important modules to install

```
pip install nvidia-nccl-cu12 transformers datasets pytest-shutil
```

Part 2

Run the below steps only after updating the username and Ips

#add more ips as above based on the below table

- All the files must be present in home/username/ddp_setup folder

Below table will be Auto updated based on google sheets.

Link to update google sheets: 🟩 username and ips

Link for the present doc online: 📄 Checklist for successful DDP set up

username	hostname	Command
sys-01	172.26.115.220	sudo ufw allow from 172.26.115.220
sys-02	172.26.112.142	sudo ufw allow from 172.26.112.142
sys-4	172.26.113.91	sudo ufw allow from 172.26.113.91
sys-05	172.26.113.64	sudo ufw allow from 172.26.113.64
sys-06	172.26.113.131	sudo ufw allow from 172.26.113.131
sys-07	172.26.113.176	sudo ufw allow from 172.26.113.176
sys-08	172.26.114.177	sudo ufw allow from 172.26.114.177
sys-09	172.26.113.122	sudo ufw allow from 172.26.113.122
sys-10	172.26.113.214	sudo ufw allow from 172.26.113.214
sys-11	172.26.113.166	sudo ufw allow from 172.26.113.166
sys-12	172.26.112.144	sudo ufw allow from 172.26.112.144
sys-13	172.26.113.60	sudo ufw allow from 172.26.113.60

sys-14	172.26.113.48	sudo ufw allow from 172.26.113.48
sys-15	172.26.113.57	sudo ufw allow from 172.26.113.57
sys-16	172.26.114.111	sudo ufw allow from 172.26.114.111
sys-17	172.26.114.182	sudo ufw allow from 172.26.114.182
sys-18	172.26.112.254	sudo ufw allow from 172.26.112.254
sys-19	172.26.113.77	sudo ufw allow from 172.26.113.77
sys-20	172.26.113.42	sudo ufw allow from 172.26.113.42
sys-21	172.26.112.192	sudo ufw allow from 172.26.112.192
sys-22	172.26.114.84	sudo ufw allow from 172.26.114.84
sys-23	172.26.113.72	sudo ufw allow from 172.26.113.72
sys-24	172.26.114.73	sudo ufw allow from 172.26.114.73
sys-25	172.26.113.75	sudo ufw allow from 172.26.113.75
sys-26	172.26.113.88	sudo ufw allow from 172.26.113.88
sys-27	172.26.113.84	sudo ufw allow from 172.26.113.84
sys-28	172.26.113.83	sudo ufw allow from 172.26.113.83
sys-29	172.26.115.106	sudo ufw allow from 172.26.115.106
sys-30	172.26.114.47	sudo ufw allow from 172.26.114.47
sys-31	172.26.113.80	sudo ufw allow from 172.26.113.80
sys-33	172.26.112.180	sudo ufw allow from 172.26.112.180
sys-34	172.26.112.141	sudo ufw allow from 172.26.112.141
sys-35	172.26.113.103	sudo ufw allow from 172.26.113.103
sys-36	172.26.114.35	sudo ufw allow from 172.26.114.35
sys-37	172.26.113.40	sudo ufw allow from 172.26.113.40
sys-38	172.26.114.185	sudo ufw allow from 172.26.114.185
sys-39	172.26.114.79	sudo ufw allow from 172.26.114.79
sys-40	172.26.113.140	sudo ufw allow from 172.26.113.140
sys-41	172.26.114.222	sudo ufw allow from 172.26.114.222
sys-42	172.26.112.198	sudo ufw allow from 172.26.112.198
sys-43	172.26.114.244	sudo ufw allow from 172.26.114.244
sys-44	172.26.114.96	sudo ufw allow from 172.26.114.96
sys-45	172.26.114.80	sudo ufw allow from 172.26.114.80
sys-46	172.26.114.109	sudo ufw allow from 172.26.114.109
sys-48	172.26.112.145	sudo ufw allow from 172.26.112.145
sys-49	172.26.112.146	sudo ufw allow from 172.26.112.146
sys-50	172.26.112.247	sudo ufw allow from 172.26.112.247
sys-51	172.26.113.142	sudo ufw allow from 172.26.113.142
sys-52	172.26.114.48	sudo ufw allow from 172.26.114.48

sys-53	172.26.114.51	sudo ufw allow from 172.26.114.51
sys-54	172.26.114.71	sudo ufw allow from 172.26.114.71
sys-57	172.26.112.204	sudo ufw allow from 172.26.112.204
sys-58	172.26.113.159	sudo ufw allow from 172.26.113.159
sys-59	172.26.114.97	sudo ufw allow from 172.26.114.97
sys-60	172.26.113.194	sudo ufw allow from 172.26.113.194

Points to remember

- SSH keyless access is only between master nodes to worker nodes.
  But all the required ports (29500) and ips of worker and master with all of their ports open must be communicated.

Part 3 (launch the training from master on all the nodes)