Bitfusion-FlexDirect Client and Server Installation and Usage Guide

PREREQUITES

- 1. Server needs to have
 - a. Nvidia-driver
 - b. Cuda Run-Time Library
 - c. Cuda Developer Library
- 2. Clients needs to have
 - a. Cuda Run-Time Library
 - b. Cuda Developer Library
 - c. Tensorflow Gpu (if needed)

SERVER-SIDE

```
# Download the install script
wget -O installfd getfd.bitfusion.io

# run install with option for flexdirect mode, a systemd server
sudo bash installfd -- -m srs
# Answer 'y' on installing any dependencies
# Answer for starting the service does not matter, since you still need to initialize
# the license

# Initialize the license
sudo flexdirect init
# Accept the EULA
# Enter your license key at prompt(issued by your representative at Bitfusion)

# Start the flexdirect service, then verify it is active
# sudo systemctl start flexdirect
# systemctl status flexdirect
```

CLIENT-SIDE

```
# Download the install script
wget -O installfd getfd.bitfusion.io

# run install with option for client mode (just the binaries)
sudo bash installfd -- -m binaries
# Answer 'y' on installing any dependencies

# Initialize the license
sudo flexdirect init
# Accept the EULA
# Enter your license key at prompt(issued by your representative at Bitfusion)
```

SETTING UP CONNECTION

```
# Add server-list ip to the below file, all clients and servers should contain this file
$ sudo vim /etc/bitfusionio/servers.conf
```

USAGE