

LINK AGGREGATION / BONDING

1) if one has a multiple GbE interfaces (1 from motherboard MB and additional one port from PCI network card) he or she will be able to get one connection of multiplyed identical interfaces. Of course there must be at least two Personal Computers with 2 GbE ports via MB and PCI card. At beginning install:

```
#sudo apt-get install ifenslave
```

2) manage network connection configuration for 1+1GbE with higher MTU value for sending big files (> few MB) on each side:

```
#vim /etc/network.interfaces
```

```
auto lo
iface lo inet loopback
```

```
auto eno2
iface eno2 inet manual
bond-master bond0
```

```
auto eno1
iface eno1 inet manual
bond-master bond0
```

```
auto bond0
iface bond0 inet static
address IPv4Addr
netmask 255.255.0.0
bond-mode 0
bond-miion 100
bond-lacp-rate 1
bond-slaves eno2 eno1
mtu 9000
```

3) note that eno 2 and eno1 are names of network interfaces (one can list them with ifconfig command)

4) test connection speed:

```
# sudo apt-get install iperf
```

at iperf server side run listening:

```
#iperf -s
```

at iperf testing client side run measures:

```
#iperf -c IPv4Addr
```