

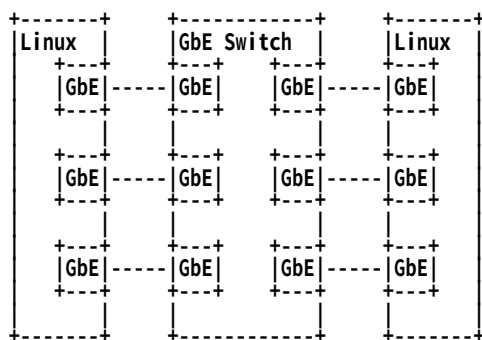
目的

- Linux bonding 実験
- ネットワーク帯域の測定

結果の概要

構成

- Linux サーバ 2 台
- CentOS-6.3 Linux 2.6.32-279.el6
- on-board 2NIC + PCIex NIC = total 3 GbE-NICs
- GbE Switch : Netgear GS110T



結果

■ round-robin 対 round-robin

.

■ 802.3ad 対 802.3ad

- 3 本の
- 1 接続分の 940 Mbits/sec だけ

■ 802.3ad 対 3-NIC 6-IP

- Linux 設定で
- 送信時に振り分けが

■ 802.3ad 対 3-NIC 6-IP

- 同時に 6IP から

```
# netperf -H 192.168.61.5 -- -P 12866 -L 192.168.61.221 & \
netperf -H 192.168.61.5 -- -P 12867 -L 192.168.61.222 & \
netperf -H 192.168.61.5 -- -P 12868 -L 192.168.61.223 & \
netperf -H 192.168.61.5 -- -P 12868 -L 192.168.61.224 & \
netperf -H 192.168.61.5 -- -P 12868 -L 192.168.61.225 & \
netperf -H 192.168.61.5 -- -P 12868 -L 192.168.61.226 &
```

```

TCP STREAM TEST from 192.168.61.224 (192.168.61.224) port 12868 AF_INET to 192.168.61.5
(192.168.61.5) port 12868 AF_INET
TCP STREAM TEST from 192.168.61.226 (192.168.61.226) port 12868 AF_INET to 192.168.61.5
(192.168.61.5) port 12868 AF_INET
TCP STREAM TEST from 192.168.61.225 (192.168.61.225) port 12868 AF_INET to 192.168.61.5
(192.168.61.5) port 12868 AF_INET
TCP STREAM TEST from 192.168.61.222 (192.168.61.222) port 12867 AF_INET to 192.168.61.5
(192.168.61.5) port 12867 AF_INET
TCP STREAM TEST from 192.168.61.221 (192.168.61.221) port 12866 AF_INET to 192.168.61.5
(192.168.61.5) port 12866 AF_INET
TCP STREAM TEST from 192.168.61.223 (192.168.61.223) port 12868 AF_INET to 192.168.61.5
(192.168.61.5) port 12868 AF_INET

```

Recv Socket Size bytes	Send Socket Size bytes	Send Message Size bytes	Elapsed Time secs.	Throughput 10^6bits/sec
87380	16384	16384	10.03	629.74
87380	16384	16384	10.03	311.59
87380	16384	16384	10.27	657.43
87380	16384	16384	10.01	363.48
87380	16384	16384	10.02	298.03
87380	16384	16384	10.04	641.70

• 合計 2901.97 Mbits/sec