

SCSI Bus tuning.

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2003-07/0008.html>

From: Gary Stanley (gary_at_outloud.org)

Date: 07/05/03

Date: Sat, 05 Jul 2003 02:34:05 -0400

To: freebsd-performance@freebsd.org

Hiya.

With Adaptec 2120S Raid Controllers (PCI-X 66mhz) and 5 or 6 Ultra320 RAID5 drives, what's the maximum data rate I could achieve on the array? It currently seems to max out around 30mbyte/s with a small amount of burst.

```
procs memory page disks faults cpu
r b w avm fre flt re pi po fr sr aa0 md0 in sy cs us sy id
0 8 0 264040 75156 83 3 0 0 8321 8310 0 0 8251 23037 2613
14 58 28
6 2 0 265680 85652 80 0 0 0 8375 10985 651 0 8477 177349 3938
14 62 24
6 2 0 265780 95692 20 0 0 2 8419 11011 651 0 8426 201621 3493
12 62 26
```

```
tty aacd0 acd0 fd0 cpu
tin tout KB/t tps MB/s KB/t tps MB/s KB/t tps MB/s us ni sy in id
0 2 0.00 0 0.00 0.00 0 0.00 0.00 0 0.00 14 0 33 25 28
0 77 51.71 637 32.18 0.00 0 0.00 0.00 0 0.00 7 0 26 24 43
0 76 51.38 656 32.94 0.00 0 0.00 0.00 0 0.00 9 0 27 25 39
0 76 51.85 616 31.18 0.00 0 0.00 0.00 0 0.00 8 0 26 26 39
0 76 51.56 636 32.01 0.00 0 0.00 0.00 0 0.00 6 0 22 24 47
```

ITEM SIZE LIMIT USED FREE REQUESTS

```
PIPE: 160, 0, 4, 98, 20542
SWAPMETA: 160, 233016, 19, 57, 12493
unpcb: 160, 0, 46, 54, 21349
ripcb: 192, 131070, 0, 42, 5
syncache: 160, 15359, 8, 273, 2099188
tcpb: 576, 131070, 3956, 2664, 1970515
udpcb: 192, 131070, 6, 36, 243
socket: 192, 131070, 4008, 2690, 1992113
DIRHASH: 1024, 0, 471, 377, 3917
KNOTE: 64, 0, 6882, 2782, 3950885
NFSNODE: 352, 0, 647, 849, 2379
NFSMOUNT: 544, 0, 2, 12, 2
```

freebsd-performance: SCSI Bus tuning.

VNODE: 192, 0, 34216, 22, 34216
NAMEI: 1024, 0, 0, 32, 22168837
VMSPACE: 192, 0, 45, 83, 38265
PROC: 416, 0, 51, 47, 38271
DP fakepg: 64, 0, 0, 0, 0
PV ENTRY: 28, 2690702, 140870, 383281, 23461659
MAP ENTRY: 48, 0, 3633, 5760, 3394017
KMAP ENTRY: 48, 64455, 233, 151, 83750
MAP: 108, 0, 7, 3, 7
VM OBJECT: 92, 0, 32805, 99, 595113

If it helps any, Dual Xeon 2.0ghz procs, 2 gigs of ram, supermicro board, etc.

freebsd-performance@freebsd.org mailing list

<http://lists.freebsd.org/mailman/listinfo/freebsd-performance>

To unsubscribe, send any mail to "freebsd-performance-unsubscribe@freebsd.org"