

SUMMARY DISK I/O (using dd bs=1M for ext2, 256K for XFS)

| Kernel / filesystem | # of raid sets | # of controllers per raid set | # of disks/controller | # disks | READ MB/sec %CPU | READ MB/sec /disk | WRITE MB/sec %CPU | WRITE MB/sec/disk |
|---------------------|----------------|-------------------------------|-----------------------|-----------|--------------------------|-------------------|--------------------------|-------------------|
| 2.6.7 ext2 | 1 | 1 3w9500-4 | 4 | 4 | 172 46% | 43 | 177 52% | 44 |
| 2.6.7 ext2 | 2 | 1 3w9500-4 | 4 | 8 | 304 118% | 38 | 317 105% | 40 |
| 2.6.7 ext2 | 3 | 1 3w9500-4 | 4 | 12 | 338 178% | 28 | 409 152% | 34 |
| 2.6.7 ext2 | 4 | 1 3w9500-4 | 4 | 16 | 368 185% | 23 | 416 152% | 26 |
| 2.6.7 ext2 | 1 | 2 3w9500-4 | 4 | 8 | 265 77% | 33 | 324 84% | 41 |
| 2.6.7 ext2 | 2 | 2 3w9500-4 | 4 | 16 | 330 160% | 21 | 409 148% | 26 |
| 2.6.7 ext2 | 1 | 3 3w9500-4 | 4 | 12 | 278 82% | 23 | 325 85% | 27 |
| 2.6.7 ext2 | 1 | 4 3w9500-4 | 4 | 16 | 288 84% | 18 | 325 85% | 20 |
| 2.6.6 ext2 | 1 | 2 3w9500-8 | 8 | 16 | 282 81% | 18 | 321 91% | 20 |
| 2.6.6 ext2 | 1 | 1 3w9500-8 | 8 | 8 | 267 75% | 33 | 203 53% | 25 |
| 2.6.6 ext2 | 2 | 1 3w9500-8 | 8 | 16 | 368 146% | 23 | 351 114% | 22 |
| 2.6.6 ext2 | 1 | JBOD (3w8) | 8 | 8 | 251 67% | 31 | 178 47% | 22 |
| 2.6.6 ext2 | 1 | 2 JBOD (3w8) | 8 | 16 | 343 62% ** | 21 | 326 89% ** | 20 |
| 2.6.6 ext2 | 1 | 4 3w9500-4 | 4 | 16 | 400 71% ** | 25 | 352 96% ** | 22 |
| 2.6.8 ext2* | 1 | JBOD (MV8) | 8 | 8 | 282 76% | 35 | 305 (s2) 83% | 38 |
| 2.6.8 ext2* | 2 | JBOD (MV8) | 8 | 16 | | | 436 139% | 27 |
| 2.6.8 ext2 | 1 | 2 JBOD (MV8) | 8 | 16 | 282 | 18 | 337 | 21 |
| 2.6.8 ext2 | 1 | JBOB (MV8) | 8 | 8 | | | 258 (s2) 66% | 32 |
| 2.6.8 ext2* | 1 | JBOD (MV8) | 8 | 8 | | | 307 (s2) 81% | 38 |
| 2.6.6 ext2 | 1 | JBOD (MV8) | 8 | 8 | 258 (s4) 70% | 32 | 328 (s4) 92% | 41 |
| 2.6.6 ext2 | 1 | JBOD (MV8) | 8 | 8 | 233 (s2) 63% | 29 | 320 (s2) 88% | 40 |
| 2.6.6 ext2 | 1 | JBOD (MV8) | 8 | 8 | 284 (s4) 73% | 36 | 321 (s4) 91% | 40 |
| 2.6.6 ext2 | 1 | JBOD (MV8) | 8 | 8 | 241 (S2) 63% | 30 | 318 (s2) 90% | 40 |
| 2.6.6 ext2* | 1 | JBOD (MV8+3W8) | 8 | 16 | 278 (s2&4) 81% | 17 | 340 (s2&4) 96% | 21 |
| 2.6.6 ext2 | 1 | JBOD (MV8&MV8) | 8/8 | 16 | 282 (s2&4) 82% | 18 | 337 (s2&4) 95% | 21 |
| 2.6.6 ext2 | 1 | JBOD (MV8&MV8) | 8/8 | 16 | 358 (s2&4) 78%** | 18 | 348 (s2&4) 96%** | 21 |
| 2.6.6 ext2 | 1 | JBOD (MV8&MV8) | 7/5 | 12 | 286 (s2&4) 85% | 24 | 337 (s2&4) 92% | 28 |
| 2.6.6 ext2 | 1 | JBOD (MV8&MV8) | 7/5 | 12 | 355 (s2&4) 74%** | 24 | 346 (s2&4) 96%** | 28 |
| 2.6.6 ext2 | 1 | JBOD (MV8&MV8) | 6/6 | 12 | 288 (s2&4) 86% | 24 | 339 (s2&4) 94% | 28 |
| 2.6.6 ext2 | 1 | JBOD (MV8&MV8) | 6/6 | 12 | 360 (s2&4) 75%** | 24 | 346 (s2&4) 94%** | 28 |
| 2.6.6 ext2 | 1 | JBOD (MV8&MV8) | 5/5 | 10 | 287 (s2&4) 85% | 29 | 337 (s2&4) 95% | 34 |
| 2.6.6 ext2 | 1 | JBOD (MV8&MV8) | 5/5 | 10 | 350 (s2&4) 72%** | 29 | 341 (s2&4) 92%** | 34 |
| 2.6.6 ext2 | 1 | JBOD (MV8&MV8) | 4/4 | 8 | 256 (s2&4) 73% | 32 | 330 (s2&4) 94% | 41 |
| 2.6.6 ext2 | 1 | JBOD (MV8&MV8) | 4/4 | 8 | 302 (s2&4) 61%** | 32 | 336 (s2&4) 95%** | 41 |
| 2.6.6 ext2 | 1 | JBOD (MV8&MV8) | 3/3 | 6 | 217 (s2&4) 61% | 36 | 313 (s2&4) 87% | 52 |
| 2.6.6 ext2 | 1 | JBOD (MV8&MV8) | 3/3 | 6 | 262 (s2&4) 52%** | 36 | 317 (s2&4) 85%** | 52 |
| 2.6.6 ext2 | 1 | JBOD (MV8&MV8) | 2/2 | 4 | 206 (s2&4) 57% | 52 | 171 (s2&4) 44% | 43 |
| 2.6.6 ext2 | 1 | JBOD (MV8&MV8) | 2/2 | 4 | 220 (s2&4) 42%** | 52 | 184 (s2&4) 47%** | 43 |
| 2.6.6 XFS | 1 | JBOD (MV8) | 8 | 8 | 343(s4) 98% | 43 | 356(s4) 95% | 45 |
| 2.6.6 XFS | 1 | JBOD (RR8) | 8 | 8 | 346(s4) 98% | 43 | 358(s4) 92% | 45 |
| 2.6.6 XFS | 1 | JBOD (RR8) | 8 | 8 | 426(s4) 83% | 53 | 343(s4) 90% | 43 |
| 2.6.6 XFS | 1 | JBOD (RR8&MV8) | 8/6 | 14 | 494(s4&s2)99% | 35 | 357(s4&2) 97% | 26 |
| 2.6.6 XFS | 1 | 4*3W9500S-4 | 4 | 16 | 455 88% | 28 | 381 96% | 24 |
| 2.6.6 XFS | 1 | 4*3W9500S-4 | 4 | 16 | 494 92% ** | 31 | 349 95% ** | 22 |
| 2.6.6 XFS | 2 | JBOD (RR8&MV8) | 8/8 | 16 | 572 181% | 36 | 426 148% | 27 |
| *No Bigmem | | | | | ** Bonnie++ | | ** Bonnie++ | |

Linux storm1.triumf.ca 2.6.7 #1 SMP Thu Aug 19
Fedora Core release 2 (Tettnang)
[root@storm1 bin]# printpl