

GPFS storage benchmarks

IOZONE tests run locally on single GPFS NSD server

fermi-gpfs02 2@md3460 12 NSD 1 MB block system pool 180 disks

128 GB test file (2 x pagepool)

/u/sf/jonl/bin/iozone.64bit.linux -i 0 -i 1 -t1 -s 128g -r 1024k

Children see throughput for 1 initial writers	= 2252747.50 KB/sec
Children see throughput for 1 rewriters	= 2882751.25 KB/sec
Children see throughput for 1 readers	= 5792810.50 KB/sec
Children see throughput for 1 re-readers	= 6415035.00 KB/sec

/u/sf/jonl/bin/iozone.64bit.linux -i 0 -i 1 -t16 -s 8g -r 1024k

Children see throughput for 16 initial writers	= 4105424.03 KB/sec
Children see throughput for 16 rewriters	= 4373855.06 KB/sec
Children see throughput for 16 readers	= 3360698.11 KB/sec
Children see throughput for 16 re-readers	= 3645976.38 KB/sec

/u/sf/jonl/bin/iozone.64bit.linux -i 0 -i 1 -t64 -s 2g -r 1024k

Children see throughput for 64 initial writers	= 4355696.19 KB/sec
Children see throughput for 64 rewriters	= 4543685.04 KB/sec
Children see throughput for 64 readers	= 4547132.21 KB/sec
Children see throughput for 64 re-readers	= 4899993.23 KB/sec

/u/sf/jonl/bin/iozone.64bit.linux -i 0 -i 1 -t128 -s 1g -r 1024k

Children see throughput for 128 initial writers	= 4389975.53 KB/sec
Children see throughput for 128 rewriters	= 4471355.97 KB/sec
Children see throughput for 128 readers	= 4157457.52 KB/sec
Children see throughput for 128 re-readers	= 4448983.88 KB/sec

/u/sf/jonl/bin/iozone.64bit.linux -i 0 -i 1 -t256 -s 500m -r 1024k

Children see throughput for 256 initial writers	= 4199890.35 KB/sec
Children see throughput for 256 rewriters	= 4322276.21 KB/sec
Children see throughput for 256 readers	= 4153519.73 KB/sec
Children see throughput for 256 re-readers	= 4731652.91 KB/sec