

Tested, seen, heard...

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E4 "fat" disk server candidate

- 2 way Intel DualCore 2.8 GHz, 4 GB of RAM, 4 GigE NICs
- 32 500GB WD Data Drives on 2 Areca R6 1160 controllers
- 2 160GB WD drives (hardware RAID-1 on a 2-port Areca)
- 16 TB raw, 14 TB usable (R6)
- Tested with SLC4, 4 bonded GigEs, 12 RFIO clients
- Test procedure as in the CERN 2005 disk server tender. We only did a global test (multiple simultaneous writes or reads with rfcv).

E4 "fat" disk server results

	Aggregate global test performance, MB/sec	
	Write	Read
CERN TENDER (5 TB)	90	95
CERN TENDER (scaled up to 14 TB)	252	266
E4 with 2 way 3.4 GHz	150	184
E4 with 2 way Dual Core 2.8 GHz	245	276

Fast R6: seen / heard at CeBIT

- **Areca** will be shipping the ARC1280 R6 card in the 2nd quarter
 - . Expected speed in the range of 600 MB/sec
 - . 24 disk channels, no multilane for the moment
- **Infortrend** will present in June a new R6 controller based on their new ASIC400, they promise ~700 MB/sec
- **AMCC (3ware)** will come up with their first R6 model before the end of the year, they should be in the range of 700-800 MB/sec