

Qlogic 2200 performance issues?

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To: freebsd-performance@freebsd.org

We've got a 5.1 box that we are using to play around with vinum and fcal. It's a dual PIII-800, gig of ram, etc.

The Qlogic 2200 has 2 old NetApp FC8 shelves on them, with 14 disks. Each one of these disks is able to do a sustained 17MBs in sequential IO. However, when all disks are accessed at once sustained I/O drops to ~1-4MBs per device, or ~28MBs total for all devices together. We see the same problem with vinum, stripping all 14 disks together results in ~28MBs, which is the same as what's gotten with 2, 4, 6, 8, .. disks. During these tests the box is responsive, CPU utilization is minimal, etc.

We don't have much experience with fcal here but this doesn't make alot of sense to us. It would appear that the controller or loop is getting saturated at only 28MBs? Can anyone shed some light?

We've just be using dd (single and multiple processes) to test the sequential IO throughput.

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