

## The SSD Difference

While Solid State Drives have been in the market for a few years, the cost per GB simply didn't make sense for companies to incorporate them into their IT budgets. As demands grew and memory pricing went down, SSD prices went down and I/O intensive applications saw an unmatched performance increase. When you compare traditional 15K SAS disk arrays in RAID to even a single SSD you can expect 150x times the transactions per second or IOPS and nearly instant seek times.

Fact: NetFire dedicated servers feature quad port Intel gigabit NICs and single port out of band IPMI ports. Each server includes 2 public links (bonded) and 2 private links (bonded) for N+1 redundant networks.

**SSD: 50,000 IOPS**

**15K SAS: 461 IOPS**

Max IOPS (Input/Output Operations Per Second)

NetFire offers solid state drives for all of its services including having replacement drives on hand for even colocation clients. We have benchmarked and tested in real world applications dozens of SSD models from a variety of manufacturers and while we understand there are some incredibly fast SSDs available on the market, reliability is always our key deciding factor. We chose Crucial as our primary SSD supplier due to its high quality Micron memory, reliable controller but also its ability to scale performance without impact in high volume RAID arrays.