

6 days ago

Seagate launches range of supercomputing HPC arrays

SEAGATE has made a number of announcements reflecting a transformative time as the company moves towards end-to-end offerings for the enterprise sector.

After the acquisition of Xyratex, the back-end testing company Seagate bought at the end of 2014 for a cool \$374m, the companies have now fully integrated, and this portfolio is the first fruit.

The ClusterStor A200 offers a tiered storage system for archiving in the high-performance computing (HPC) market, offering a claimed 50 percent reduction on storage and operation costs compared with a single-tiered platform.

The array is designed to reduce the need for tape archiving and ensure that all data is online and available, thus dramatically speeding up query latency. The A200 is a fully scalable system with seven storage units per rack and a single management console.

Meanwhile, the Clusterstor L300 offers a 43 percent performance boost per rack for users of the company's Lustre products, providing integration with the new HPC disk drives and networking compatibility with Intel and Mellanox.

The L300 offers a throughput of 112GBps thanks to optimisation of random and sequential throughput processes. The accompanying HPC disk can hold 4TB per slot, and offers an unsurpassed 300GBps, making it 35 percent faster than any 3.5in drive on the market.

Also available is an 'extreme mode' which pumps the whole system up to 448GBps for when every millisecond counts. Not one for everyday use, however.

Finally, the Clusterstor G200 is designed for IBM's Spectrum Scale file system, also compatible with the HPC drive. Earlier this year the two companies announced a joint HPC venture with Hewlett Packard, now HPE [<http://www.theinquirer.net/inquirer/news/2417437/seagate-joins-forces-with-hp-and-ibm-in-high-performance-computing-push>] .

The whole shebang has been tuned towards HPC. There are two models including one with 84 slots of 3.5in drives in a 5U enclosure.

The system comes pre-configured and can be up and running within hours, complete with Grid RAID, Seagate's bespoke declustered RAID feature capable of rebuilds up to 400 times faster than conventional RAID.

All products will be available in the first quarter of 2016 with prices to be confirmed.

Earlier this year, the company signed a three-year deal to provide HPC storage frameworks to CERN [<http://www.theinquirer.net/inquirer/news/2400018/seagate-teams-with-cern-openlab-to-help-manage-large-hadron-collider-data>] .

Posted 6 days ago by Bhanu Sridhar

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