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Fujitsu launches the Eternus CD10000 Hyperscale Storage System-- a scale-out array the company claims handles the demands of very big data with "unlimited, modular scalability of storage capacity and performance."


The CD10000 is based on Ceph, the open source storage software from Red Hat-owned Intank. It presents a unified view of block, object and file storage in a single distributed storage cluster, and theoretically allows for scaling to up to 1 exabyte. This means it does not use RAID, and protection comes from replication and the system self-heals with zero downtime, at least according to Fujitsu.

The company also adds the array has a long lifespan, as customers can easily swap old nodes with new ones, and Ceph handles moving data to the new ones. Meanwhile the open source software provides low costs, fast development and anti-locking advantages.

On launch the CD10000 capacity reaches 56PB (or 56000TB) via aggregation of 224 nodes. Nodes slot in standard 19-inch racks, connect via dual 40Gbit/s InifniBand links and come in 3 types-- Basic (with 2 Xeon CPUs and 12.6TB raw capacity), Capacity (with 252.6TB of raw capacity) and Performance (34.2TB raw capacity via 10K RPM SAS 2.5-inch sindles and PCIe SSDs).

Front-end access comes through 10GbitE LAN, and resources are accessible via KVM, Swift and S3.

“The Eternus CD10000 revolutionises the way that organisations deal with ever-increasing online data," the company says. "Fujitsu is the first mainstream, global storage technology provider to deliver a hyperscale, open source-based storage optimisation platform for online storage, removing future bottlenecks and allowing organisations to regain control over cost.”

Go Fujitsu Eternus CD10000