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## Seagate Unveils 8 TB Hard Drive Slate for Enterprises and SMBs

Posted on September 03, 2015 By Pedro Hernandez

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Seagate kicked off September by announcing high-capacity hard disk drives (HDDs) for enterprises, cloud providers, small and midsize businesses (SMBs) and even ultra slim notebook PCs.

First is the 8 TB Seagate Enterprise Capacity 3.5 HDD, a line of 3.5-inch, 7,200 RPM hard drives that delivers twice the random read and write performance of its predecessor, the company claims. Available in SATA (6 Gbps) or SAS (12Gbps) flavors, the capacious new drives can reach random read and write speeds of up to 164 IOPS and 342 IOPS, respectively.

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The drives support nearline workloads of 550 TB per year and carry a mean time between failure (MTBF) rating of 2 million hours. Self-encrypting models with the company's Instant Secure Erase technology are also available.

For SMBs with big file storage requirements, the company also unveiled the Enterprise NAS HDD. Designed for network-attached storage (NAS) setups, the SATA drives are meant to slot into 1 to 16 bay enclosures. They carry a workload rating for 300 TB per year and a 5-year warranty.

For cloud providers, the company announced an 8 TB version of its [Ethernet-connected Kinetic drives](#) aimed at object storage environments. Seagate asserts that the drives can help enterprises shed many of the legacy hardware and software components that keep current storage infrastructures up and running, enabling cost savings of up to 70 percent due to lower power, personnel and storage management requirements.

The new Kinetic drives are already being eyed to help CERN unlock some of the universe's mysteries.


"As part of our collaboration through CERN openlab, we are aiming to demonstrate with Seagate the expected TCO and scalability benefits of Kinetic drives," revealed Dirk Duellmann, deputy leader of the data and storage services group at CERN, in a statement. "These tests are being performed within the 100PB-scale storage setups that CERN deploys for the Large Hadron Collider."

Finally, Seagate also reported that it had reached a new mobile hard drive milestone.

Seagate's CTO Mark Re said his company's "engineers have been able to boost areal density to 1TB per platter in a 2.5-inch form factor, which will give OEMs the flexibility to design and build virtually any kind of mobile device they can envision," in prepared remarks. The innovation will enable Seagate to produce 2.5-inch drives that can store up 2 TB worth of files and data in an enclosure just 7 mm thick.

*Pedro Hernandez is a contributing editor at InfoStor. Follow him on Twitter [@ecoINSITE](#).*


*Photo courtesy of [Shutterstock](#).*




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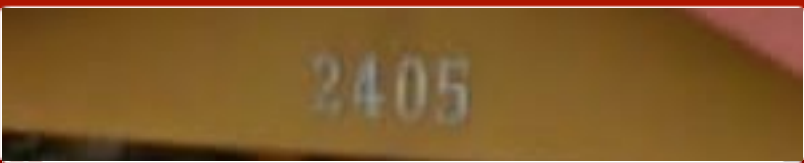
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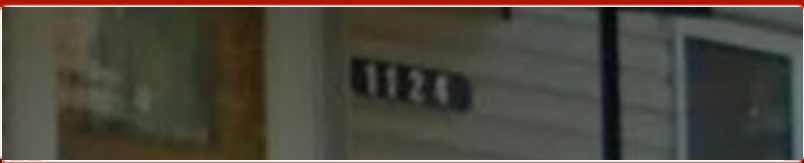
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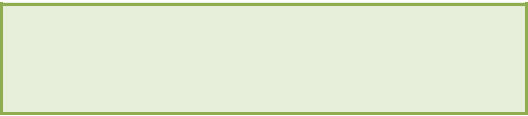
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