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Seagate makes 8TB triple play

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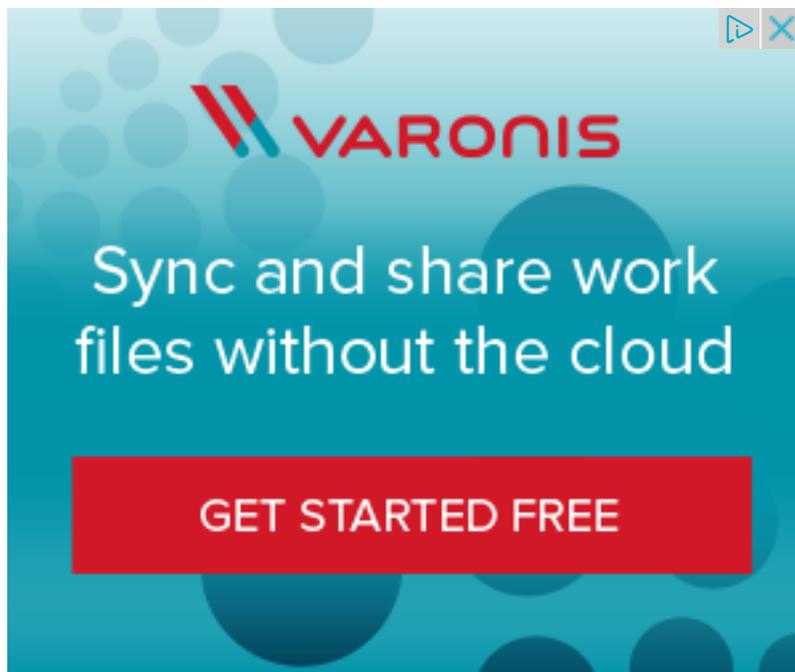


Seagate has announced three 8TB hard drives aimed at different types of application.

Seagate's new **8TB Enterprise Capacity, Enterprise NAS and Kinetic hard drives** each address the requirements of particular workloads.

The Enterprise Capacity 3.5 drive is aimed at cloud and enterprise customers that need to combine high capacity and reliability.

Its random read/write performance is said to be twice that of previous generations of hard drives.



The Enterprise NAS drive provides one third more capacity in the same space as Seagate's previous generation drive, so it allows for more storage in the same space, or the same storage with fewer drives with a corresponding reduction in power consumption.

As the name suggests, it is designed for use in NAS devices. But contrary to the name, it is aimed at small and medium businesses as well as enterprises.

The Kinetic drive is designed for scale-out storage. Unlike most drives, it has an **Ethernet interface allowing storage applications to talk directly to the drive**, doing away with the need for storage servers. Seagate says this can reduce the total cost of storage by up to 70%.

The new 8TB model provides more storage in a given space.

"I am impressed by the disk capacity increase achieved by Seagate," said Dirk Duellmann, CERN's data and storage services group deputy leader.

"As part of our collaboration through CERN openlab, we are aiming to demonstrate with Seagate the expected TCO and scalability benefits of Kinetic drives. These tests are being performed within the 100PB-scale storage setups that CERN deploys for the Large Hadron Collider."

Seagate vice president of marketing Scott Horn said "Customers today need storage solutions to support a diverse, and sometimes very specialized, set of applications and workload requirements.

"In designing our products, we look closely at the type of data being stored, performance needs, power requirements, environmental operating conditions, network topologies, uptime demand and more, to ensure our customers receive the right storage technology for the job.

"This thoughtful approach has enabled us to deliver the most compelling 8TB portfolio available in the industry."

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Stephen Withers

Stephen Withers is one of Australia's most experienced IT journalists, having begun his career in the days of 8-bit 'microcomputers'. He covers the gamut from gadgets to enterprise

systems. In previous lives he has been an academic, a systems programmer, an IT support manager, and an online services manager. Stephen holds an honours degree in Management Sciences, a PhD in Industrial and Business Studies, and is a senior member of the Australian Computer Society.

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