

HDDs for Scale-Out Datacentres

Written by Marco Attard
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WD claims the WD Se HDD family is the first designed for scale-out datacentre deployments, with an enterprise platform ideal for large-scale replicated environments, mid-sized NAS and backup/archiving applications.



“Today’s cloud datacentre installations require a cost-effective way to build large-scale storage systems, while maintaining the 24x7 reliability necessary to minimize total cost of ownership,” WD says. “WD’s utilization of vast amounts of manufacturing and engineering data has forced us— like many other companies— to use map-reduce methodologies to effectively analyze our data. The WD Se hard drives are used in our own big datacentre, where we have gained real-world experience with Apache Hadoop.”

The drives feature dual processors, enhanced Rotary Acceleration Feed Forward (RAFF) technology, StableTrac securing the motor shaft at both ends (reducing vibration) and a multi-axis shock sensor.

RAID-specific time-limited error recovery (TLER) prevents drive fallout from extended HDD error-recovery processes, while dynamic fly height technology adjusts the fly height of read-write head in real time.

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The WD Se HDDs (models WD2000F9YZ, WD3000F9YZ, and WD4000F9YZ) are available in now in capacities from 2 to 4TB.

Go [WD Designs Enterprise-Class HDDs for Exploding Scale-Out Datacentre Market](#)