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## **New Seagate drives – designed expressly for enterprise storage**

Despite the use of methodologies like information lifecycle management, virtualisation, compression and de-duplication; the demand for storage capacity in the enterprise is still on the rise.

But, says Tyrone Gruner, Seagate product manager at Ingram Micro, it's not just on the capacity-front where the demands are increasing. "With each passing year, storage vendors are having to show that their solutions are capable of a substantial performance increase.

"After all," he adds, "higher- capacity enterprise storage solutions must sort through more and more data when a file needs to be retrieved or written out to a disk."

Besides this highlighting a need for new and innovative approaches to data storage, Gruner says this trend is also beginning to affect the way the components comprising a storage solution are designed.

A clear example of this is what has taken place in Seagate's new range of Barracuda ES2 drives.

Gruner explains that the ES2 range is Seagate's first set of hard disks to be designed expressly for use in redundant storage arrays.

"Aside from the 33 percent more capacity these drives offer over their 'Barracuda ES' siblings, they are expressly designed for 24 hour, seven days a week operation in a 7200-RPM environment," he says.

"That means, these drives are extremely tolerant of vibrations, heat and multi-drive environments – they will after all live alongside a collection of other drives crammed into a rack as densely as possible," he explains.

In addition to their more robust nature, Gruner says that the new ES2 range features Seagate's 'PowerTrim' technology, which dramatically optimises power consumption.

"This new technology is capable of improving GB/watt figures by 55% and in doing so, delivers a 20% improvement in power efficiency over its peers."

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Lastly, Gruner says that Seagate's use of a SAS interface for the ES2 range is also worth mentioning.

"The use of a SAS interface for these drives sees them gaining a 135% average performance increase over similar capacity SATA drives.

"SAS also reduces integration complexity and optimises system performance for rich media, reference data storage and enterprise backup applications – in turn making it perfect for the enterprise," he concludes.

*Seagate's ES2 range is available from Ingram Micro with immediate effect – resellers can contact Tyrone Gruner on (011) 553-2600 for more information.*

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Ingram Micro South Africa is a joint venture between Ingram Micro Europe, a division of Ingram Micro Inc, (NYSE: IM) and MB Technologies, established to market and distribute components and other technology products to VARs, system builders and integrators, and manufacturers throughout sub-Saharan Africa.

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