

STEC, IBM join to set new SPC-1 record for enterprise storage systems

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[STEC Inc.](#) announced Wednesday that the company's enterprise-class ZeusIOPS Solid State Drives (SSDs) utilized in [IBM's Power 595](#) with PowerVM has set a new record SPC-1 result. The collaboration demonstrates how solid-state drive technology can obtain levels of performance that would otherwise be difficult to achieve without implementing large number of spinning drives. Using fewer SSDs helps to reduce the overall footprint of the system design and energy consumption, which results in substantial benefits to the end-user.

The integration in IBM's Power 595 system, which deploys six STEC ZeusIOPS SSDs within each expansion drawer, achieves 300,993.85 SPC-1 IOPS. While fully mirrored for added data protection, the configuration also utilizes virtualization to reduce the overall footprint without sacrificing capacity (5.8 TB raw).

The ZeusIOPS SSD product line provides an ideal mix of high-performance, quality and reliability that storage vendors require for their businesses. ZeusIOPS SSD provides a range of interface options, spanning SATA (Serial-ATA), Fibre Channel and SAS (Serial Attached SCSI), in a range of capacity options, spanning 73 GB (gigabytes) to 750 GB. The ZeusIOPS product line provides SSD architecture, which features an enterprise-optimized storage device with an ideal combination of performance and energy efficiency.

The SPC is a non-profit corporation founded to define, standardize and promote storage benchmarks and to disseminate objective, verifiable storage performance data to the computer industry and its customers. The organization's objectives are to empower storage vendors to build better products, as well as to stimulate the IT community to rapidly trust and deploy multi-vendor storage technology.

"IBM and STEC share a commitment to delivering unrivaled performance to the storage community," said Andrew Walls, Distinguished Engineer, Systems Technology Group, IBM. "Solid-state drive technology can deliver improvements such as ultra-high IOPS, lower energy consumption, and smaller footprints. This is helping to usher in the next-generation of storage systems and we believe STEC has been able to effectively demonstrate the benefits of its ZeusIOPS technology."

"Achieving this level of performance is evidence that an overhaul of major systems or designing entirely new systems to reach world class performance is not necessary," said Manouch Moshayedi, chairman and chief executive officer of STEC. "Together with IBM, we have demonstrated that record performance can be enabled by integrating our ZeusIOPS in existing high-end systems. Through our collaboration and close integration efforts, STEC and IBM have delivered what we believe to be a game-changing product. The legacy approach of building systems for ultra-high performance through conventional RAM technologies will find it difficult to compete as high-powered systems like IBM's Power Series adapt to using SSDs and achieve even better performance."