

# Software enhances SSD performance

By Janine Love – EE Times  
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STEC has released its EnhanceIO SSD cache software to accelerates data access and enable cost-effective server scalability to support the growing number of users and larger data volumes now prevalent in the data center. This host-based software works with any manufacturer's solid state drive, including SSD drives with SAS, SATA, and PCIe, even a Fiber Channel device. The new software accelerates enterprise applications running under Windows, Linux or VMware operating systems

Key features:

- Performance Profiler – identifies opportunities for server performance optimization and enables customized solutions for specific server workloads.
- SSD Cache Engine – drives the effective use of SSDs in server environments and manages all I/O activity according to policies established by the end-user enterprise.
- GUI Manager – a browser-based tool used to set-up, manage and monitor the SSD cache.

Those interested in the software can run the EnhancedIO profiler to evaluate how much of a speed improvement could be gained in a particular data center. When I met with the STEC team, I asked them for some metrics on how much of an improvement one might achieve. They told me you could achieve 2X to 3X performance at about a third of the cost. "We have a 10TB solution, running at a higher performance level, at 1/3 of the cost, and at least 1/2 the power requirements," explained Scott Stetzer, STEC's Vice President, Technical Marketing.

The STEC team is enthusiastic about this new software, because it can be deployed "across the board" in data centers and uses technologies and components that are available right now. "If you can cut what you spend in half or better, you can use that budget to invest in more storage," observed Stetzer.

Availability

STEC is now sampling the EnhancedIO software family now.

More Information

[Web Site](#)

[Product web page](#)