

OakGate Technology to Demonstrate Test Capabilities for Open-Channel Solid State Drives (SSDs)

Based on OakGate Technology's Storage Validation Framework (SVF) and CNEX Labs' silicon and software, the demonstration will highlight key benefits of Open-Channel SSDs

Santa Clara, California, August 7, 2017 — OakGate Technology, the industry leader in advanced, high-performance test solutions for flash storage, announced that it will demonstrate test products supporting Open-Channel SSDs and LightNVM at the upcoming Flash Memory Summit being held at the Santa Clara Convention Center from August 8 through 10. This demo is a result of close cooperation between OakGate Technology and CNEX Labs, an innovative semiconductor company developing solid-state storage controllers and software for cloud, hyperscale and enterprise data centers.

“OakGate is pleased to support Open-Channel SSDs -- enabled by LightNVM, the open-source Linux Open-Channel SSD subsystem -- in partnership with CNEX Labs,” said Bob Weisickle, Founder and CEO of OakGate Technology. “We have a proven track record of providing cutting edge test solutions for emerging technologies and we are proud to do the same for Open-Channel SSDs. This functionality will add a significant value to our SVF test suite which already offers the richest feature set in the industry. We look forward to assisting our customers with the deployment of this breakthrough technology into tomorrow’s flash arrays and hyperscale data centers,” added Mr. Weisickle.

As SSDs become commonplace in data-centers and storage arrays, there is a growing demand for predictable latency. Traditional SSDs incorporate a high-level of abstraction at the cost of unpredictable performance and suboptimal resource utilization. Open-Channel SSDs expose the internal parallelism of the SSD to the host and allow the host to manage it. In addition to predictable latencies and I/O isolation, Open-Channel SSDs serve as an ideal software-defined non-volatile memory.

“CNEX Labs has taken early leadership in developing Open-Channel SSD technology and delivering semiconductor and software solutions with full support for this game-changing approach to solid state storage,” said Justin Heindel, VP of Marketing & Business Development at CNEX Labs. “Our partnership with OakGate will help provide test solutions critical to bringing this transformative technology to market.”

The demonstration will take place at OakGate Technology’s booth number 807 at the 2017 Flash Memory Summit. An OakGate test appliance equipped with the company’s highly respected SVF software suite will be connected via the LightNVM Open-Channel subsystem to an SSD

featuring the CNEX Westlake Open-Channel controller. OakGate will also be demonstrating additional industry leading test solutions in its booth, please contact the company for additional details.

About OakGate Technology

OakGate Technology Inc. (www.oakgatetech.com) is a leading provider of test, validation, and benchmarking test platform to the storage industry. The privately held company is a recognized leader in test and validation tools for solid state storage. OakGate's highly-capable and flexible platforms support all popular storage protocols and are based on advanced, proprietary software, and industry standard hardware. OakGate's products have been deployed by top tier components suppliers, drive manufacturers, and storage system OEMs worldwide. Based in Loomis, California, OakGate Technology was founded in 2008 by industry veterans from storage and server industries.

About CNEX Labs

CNEX is a privately held company founded in 2013 and funded by venture capital and strategic investments from Fortune 500 companies in storage and networking. CNEX is chartered to deliver innovative storage system solutions in the form of semiconductors and software. CNEX teamed with solid-state storage manufacturers and data center customers to develop revolutionary PCIe SSD controller ASICs that deliver high-performance with low and predictable latency, and flexibility for software-defined-storage. CNEX controller products are key to accelerating the capabilities of big data compute and analytics for the next generation of cloud, hyperscale and enterprise data centers. For more information, please visit www.cnexlabs.com.

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