



August 2017

Storage Emulation and Validation: NVMe, FC-NVMe, NVMe-Fabric on 10/25/100G Ethernet

Want to get ahead of your competition? SANBlaze Technology, Inc. can jump start your development process in these emerging technologies with our Emulation Development Kits. SANBlaze is the premier company offering NVMe validation and emulation tools. If you missed us at 2017 Flash Memory Summit, details of our new products in these high growth technologies are below.

We are a pioneer in SAN Emulation and validation technologies and a leading provider of storage solutions for embedded systems. SANBlaze systems are installed at most major storage hardware and software vendors worldwide.

What you missed at FMS 2017

Industry First End-to-End NVMe over Fibre Channel Evaluation Solution

Even considering the fire on the show floor, SANBlaze still had the hottest booth this year! We had planned to show an exciting demo for Flash Memory Summit 2017, but due to unforeseen circumstances, we could not.

Now, we would like to introduce you to the industry's first end-to-end NVMe over Fibre Channel Evaluation Solution. Together, SANBlaze, Broadcom, Cavium, Cisco, NetApp, and Brocade have created a solution, comprised of Emulex Gen 6 Fibre Channel HBAs by Broadcom and a Gen 6 Fibre Channel switch by Brocade connected to an all-flash array by NetApp, with SANBlaze VirtualLUN™ software providing emulation and validation. This innovative solution will enable the acceleration of FC-NVMe evaluations with proven multi-vendor interoperability.

Broadcom will offer SANBlaze's FC-NVMe tools as a developers' kit to all of Emulex's OEMs.

The technical preview highlights the following features:

- NVMe over Fibre Channel on Linux and Windows
- NVMe over Fibre Channel support by enterprise-class storage arrays
- NVMe over Fibre Channel integration into SPDK (Storage Performance Developer's Kit)

This solution demonstrates measurable improvements over FC-SCSI performance including faster IO times, higher IOPs, greater bandwidth, and better CPU efficiency.

[Contact us for information or to schedule a demo](#)

IMPORTANT UPDATE: The FCIA FC-NVMe Demo system is still up and running on the Brocade San Jose campus. It is available through the end of August. Customers interested in seeing the demo should contact our [sales team](#).

More Information

- [FMS Demo Solution Sheet](#)
- [Broadcom Press Release](#)



SBExpress

NVMe Native Testing, up to 16 drives, single and dual port, fully automated validation with the SANBlaze SBExpress system

SANBlaze SBExpress is a full turnkey NVMe 2.5 in SSD Validation Test System. It features a unique set of functions applicable to all aspects of a product's lifecycle, from development to design validation to test and QA. The ability to drive NVMe SSDs with a wide range of

configurable attributes provides engineers with a flexible, scalable tool to simulate real disk and memory access environments and issues. Development, qualification, and certification test cycles can be highly automated, thus reducing overall test time, and rapidly surfacing errors and non-conformance. In addition, it provides full validation test capability beyond "UNH conformance" with a fully customizable solution to match "end to end" departmental test requirements from engineering development to validation to QA to manufacturing floor.

SBExpress hardware also features full power margining under software control and continuous voltage, current, and power measurement at each device while testing. Adding an optional Quarch™ riser enables signal glitching on all PCIe signals, and Quarch integration into VirtualLUN software allows glitching, PCIe lane failure, and drive controlled/surprise removal operations to occur while testing.

More Information

- [SBExpress Product Page](#)
- [SBExpress Datasheet](#)
- [SBExpress Overview Video](#)

NEW: Enhanced Mellanox and Cavium Support

SANBlaze VirtualLUN now provides complete emulation support for 25G/50G/100G iSCSI and NVMe Fabric on 10/25/40/50/100G Ethernet with RoCE V2.

[Learn more](#)

We would like the opportunity to demonstrate our solutions for you at your convenience:

[Request a Demo](#)

About SANBlaze

SANBlaze Technology, Inc. is a pioneer in SAN Emulation and validation technologies and a leading provider of storage solutions for embedded systems. SANBlaze emulation and validation products provide storage engineers, test, QA and manufacturing teams with scalable, high performance and configurable emulated environments for FCoE, iSCSI, Fibre Channel, SAS NVMe and FC-NVMe targets and initiators. SANBlaze emulation systems are installed at most major storage hardware and software vendors worldwide.

For more information, visit [SANBlaze.com](https://www.sanblaze.com).

