SANBlaze Announces SBExpress™ Software management and enhanced NVMe / FC-NVMe Support

Tuesday, August 8, 2017. Littleton, MA — SANBlaze Technology Inc. announced the new 7.5.2 release of the industry leading VirtuaLUN™ storage emulation and validation software. New features include SBExpress™ software manager, v.7 of the UNH IOL NVMe conformance test suite, as well as additional NVMe and FC-NVMe features.

Mitul Patel, Senior Product Manager, explained, "The new 7.5.2 software adds support for the SBExpress NVMe SSD test system, which provides a hardware test platform for the development and qualification of new NVMe SSD devices. Paired with a new graphical user interface, it provides our customers with an easy way to execute various test scenarios and monitor the results. In addition, the system provides the latest UNH IOL conformance tests, to ensure that devices under test meet the latest NVMe specifications."

The SANBlaze VirtuaLUN provides a means to test and exercise storage hardware or software with emulated devices, saving the expense of populating a test environment with scratch disks, JBODs or arrays. Direct insertion of the VirtuaLUN into a backplane or drive slot for testing of storage software allows for error injection and "bad drive" test conditions. The VirtuaLUN emulates NVMe, FC-NVMe, Fibre Channel, FCoE, SAS and iSCSI targets such as disk drives and tapes for read/write performance testing environments, with no initiator-side software changes required. The system can also emulate hundreds of initiator ports, providing the ability to simulate hundreds of hosts for applications such as load testing, login density testing, and boot storms.

VirtuaLUN storage validation systems are available in a number of configurations and system sizes, as well as a software only version deployed on customers' hardware. VirtuaLUN appliance sizes of 1U and 3U systems provide options for port density and memory configurations.

The new SANBlaze SBExpress is a full turnkey NVMe 2.5" 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.

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 VirtuaLUN software allows glitching, PCIe lane failure, and drive controlled/surprise removal operations to occur while testing.

Contact SANBlaze at info@sanblaze.com for more information about SBExpress and VirtuaLUN platforms.

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.