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CHELSIO DEMONSTRATES NVMe OVER FABRICS WITH 40GbE iWARP RDMA AT FLASH MEMORY SUMMIT

SUNNYVALE, CA – August 12, 2015 – Chelsio Communications, Inc., a leading provider of Ethernet adapters for storage networking, virtualized enterprise data centers, cloud service installations, and cluster computing environments, today announced that it is demonstrating NVM Express (NVMe) over Fabrics using the Chelsio T5 40GbE iWARP RDMA adapters in Booth #710 at Flash Memory Summit this week in Santa Clara.

Simultaneously, Chelsio is announcing the release of the source code for its NVMe over Fabrics software. NVMe over Fabrics is a protocol being developed by a consortium of storage and networking companies for high performance access of PCI Express (PCIe) non-volatile memory (NVM)-based storage solutions across an RDMA enabled fabric. iWARP is the preferred high performance RDMA over Ethernet solution from Cluster to Cloud scales, and allows leveraging existing Ethernet infrastructure without the limitations, complexity and costs of other RDMA protocols.

“This Flash Memory Summit demonstration showcases the seamless support of the Chelsio T5 adapters for NVMe over Fabrics,” said Jim Johnston, senior director of marketing for Chelsio. “We are now in the era of Big Data and massive data centers, and the Chelsio iWARP RDMA adapters have been proven to deliver the high throughput and low latency needed to fully leverage the emerging high performance storage networking standards.”

As compared to standard NIC operation, NVMe over 40GbE with iWARP delivers line-rate Read and Write performance, 2X the results of standard server NIC, with 1/3 the round-trip latency.



Additional data is available in a Chelsio published throughput and latency benchmark (see [benchmark report](#)).

About Chelsio Communications

Chelsio is a recognized leader in high performance (10G/40G/100G) Ethernet adapters for networking and storage within virtualized enterprise data centers, public and private hyperscale clouds, and cluster computing environments. Chelsio's innovative, fifth generation protocol acceleration technology (T5) powers its high performance 10G/40G Ethernet adapters with a clear roadmap for 25G/100G Ethernet solutions in 2016. The Chelsio Unified Wire fully offloads all protocol traffic, providing no-compromise performance with high packet processing capacity, sub-microsecond hardware latency and high bandwidth. Visit the company at www.chelsio.com.

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