



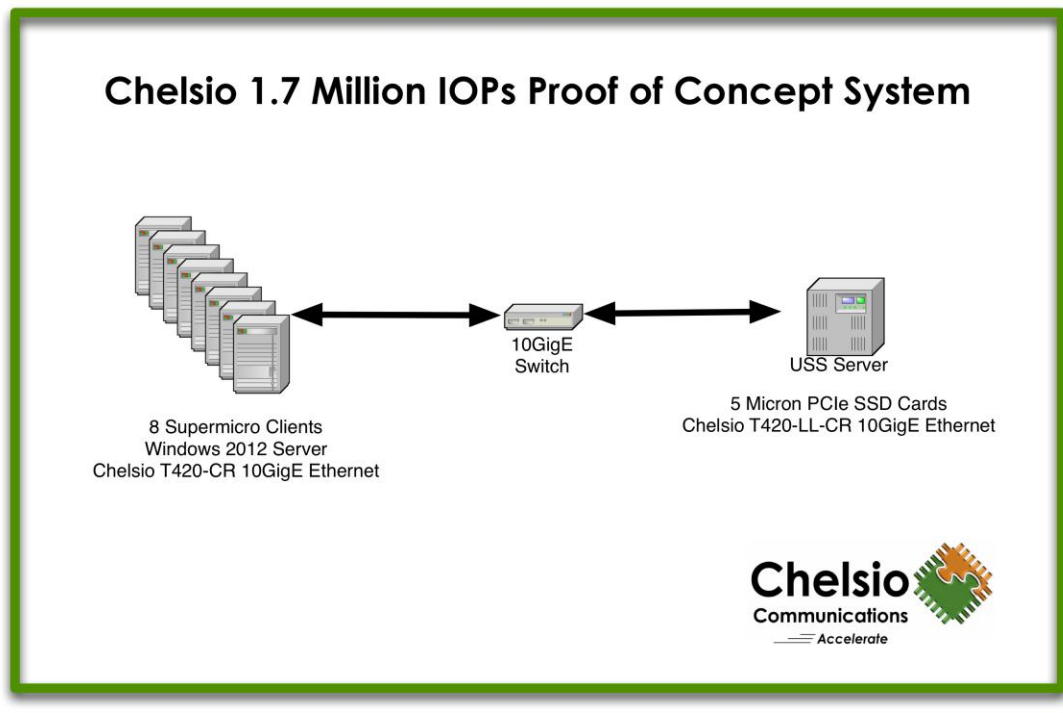
# Chelsio



## Chelsio Demonstrates 2,000,000+ IOPs Over A Single 10 Gigabit Ethernet Port

At SNW Spring 2012, Chelsio demonstrated 1.1 M IOPs on a Unified Storage Server system using the Chelsio T4 Unified Wire Adapter. At SNW Fall 2012, Chelsio raised the bar by demonstrating a system that does 2 M IOPs using off-the-shelf hardware. The 2.1M IOPs was to a RAM Disk to establish the capability independent of the # of SSD cards. Once access was made to the 5 SSD cards in the system, 1.7M IOPs were observed.

### The Topology



**Server configuration:** EVGA Classified Super Record 2 (SR-2) motherboard with two Intel 5390 processors, 48 GigaBytes of RAM, 5 Micron PCI-e SSD Cards, one Chelsio T420-LL-CR Unified Wire Adapter.

**Client configuration:** Supermicro X9SRE/X9SRE-3F/X9SRi/X9SRi-3F motherboard, single Intel Xeon E5-2643 running at 3.3 GHz, 16 GB of RAM, one Chelsio T420-CR Unified Wire Adapter.

**Software configuration:** The storage server is configured with a copy of Unified Storage Server 2.2. The clients are running a standard copy of Windows 2012 server. The application used to generate traffic and measurement results is ioMeter version 2006.07.27.

**I/O benchmarking configuration:** Using ioMeter with delegation, the clients perform 512 byte reads from 30 partitions which have been constructed across the 5 Micron PCIe SSD cards in the server.

## About Chelsio Communications

Chelsio is a leading technology company focused on providing high performance networking and storage solutions for virtualized enterprise data centers, cloud service installations, and cluster computing environments. Now shipping its fourth generation protocol acceleration technology, Chelsio is delivering hardware and software solutions including Unified Wire Ethernet network adapter cards, Unified Storage Server software, high performance storage gateways, unified management software, bypass cards, and other solutions focused on specialized

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