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Media Contact:
media@chelsio.com
Chelsio Communications
1-408-962-3600

CHELSIO AND MICROSOFT COLLABORATE TO DEMONSTRATE WINDOWS 10 ENTERPRISE CLIENT SUPPORT OF iWARP RDMA

Industry's First Demonstration Highlights iWARP CPU-Efficiency and Application Acceleration Benefits for Windows 10 Enterprise

SUNNYVALE, CA – September 27, 2016 – Chelsio Communications, Inc., a leading provider of high performance (10Gb/25Gb/40Gb/50Gb/100Gb) Ethernet Unified Wire Adapters and ASICs for storage networking, virtualized enterprise datacenters, cloud service installations, and cluster computing environments, today announced the showcasing of its Terminator 5 (T5) iWARP RDMA adapters with Windows 10 Enterprise Client RDMA feature enabling high-speed access to Windows Server using SMB Direct. Windows 10 Anniversary Update (AU) Client, Enterprise edition includes an inbox driver for Chelsio iWARP enabled 10/40GbE Unified Wire adapters.

The results shown at the Microsoft Ignite 2016 conference in Atlanta demonstrate Windows 10 Enterprise Client systems operating at 10 and 40Gbps using SMB3.1.1 over Chelsio's T520 and T580 RDMA enabled NICs respectively, delivering consistently higher network throughput at lower CPU utilization. The demonstration validates iWARP's ability to accelerate I/O-intensive Windows 10 Enterprise applications through highly efficient network data movement and higher availability of CPU cycles for application processing. As a result, customers using Windows 10 Enterprise for professional applications will see performance improvements while taking advantage of the ease of use and low cost of ownership of Chelsio iWARP.



“Chelsio is pleased to be the first to demonstrate high-performance 10/40GbE iWARP Ethernet RDMA solutions for Windows 10 Enterprise,” said Kianoosh Naghshineh, CEO, Chelsio Communications. “Chelsio iWARP offerings can now enable the full benefits of RDMA networking to be delivered for large-scale, end-to-end Windows 10 workstation to Windows Server applications via using the same wire protocol on both ends of the wire”.

“The new Windows 10 Enterprise Client RDMA feature allows improved response times for the broad base of Windows 10 Enterprise professional applications requiring high-performance access to Windows Server storage,” said Siddhartha Roy, group PM Manager, Microsoft Corp. “We are happy to collaborate with Chelsio on the joint demonstration.”

Additional information regarding the demonstration is available in a Chelsio [Technical Brief](#).

About Chelsio iWARP

Chelsio’s Terminator 5 ASIC offers a high performance, robust third generation implementation of RDMA (Remote Direct Memory Access) over 40Gb Ethernet – iWARP. T5 delivers end-to-end RDMA latency that is comparable to InfiniBand, using standard Ethernet infrastructure. Chelsio’s iWARP is in production today in GPU applications, in storage applications as a fabric for clustered storage, for Lustre and other storage applications, for HPC applications, and for remote replication and disaster recovery. It is a high performance, robust, reliable, and mature protocol that enables direct data placement, CPU savings, and RDMA functionality over TCP/IP and legacy Ethernet switches and internet with no performance penalties.

About Chelsio Communications

Chelsio is a recognized leader in high performance (10Gb/25Gb/40Gb/50Gb/100Gb) Ethernet adapters for networking and storage within virtualized enterprise datacenters, public and private hyperscale clouds, and cluster computing environments. With a clear emphasis on performance and delivering the only robust offload solution, as opposed to simple speeds and



feeds, Chelsio has set itself apart from the competition. 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, and follow the company on [Twitter](#) and [Facebook](#).

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