



OFA-IWG Interoperability Event

Private Report

UNH-IOL — 121 Technology Drive, Suite 2 — Durham, NH 03824 — +1-603-862-0090

iWARP Consortium — +1-603-862-5083

Bob Dugan
Chelsio Communications
370 San Aleso Avenue, Suite 100
Sunnyvale, CA 94085

November 8, 2007
Report Rev. 1.0

Mr. Dugan,


The following is a technical description of what took place at the OFA-IWG Interoperability Event this past October hosted at our lab in Durham, New Hampshire. The testing followed the current OFA-IWG test plan that posted to our website.

Participating equipment consisted of switches from HP Procurve and Woven Systems. The RNICs participating in the event included the Chelsio R310E-CX4 and NetEffect NE02010Gb Copper RNICs.

uDAPL testing consisted of running the scripts that can be found in the test plan on all devices participating in the event. No issues were observed with the daplttest -T T series of test, but when running the daplttest -T P tests an issue was discovered in which the requirement of iWARP for the device making the connection to send the first FPDU on the connection caused a problem. This was forwarded on to the appropriate people within the iWARP community and OFA. The current plan is to discuss a resolution to this problem at the next OFA developers conference.

MVAPICH2 testing was not thoroughly executed due to time constraints and a lack of uniform systems architectures. This is planned to be solved in all future events with the mandate of requiring 64bit systems for participants.

Intel MPI was executed as per the current test plan. Due to its reliance on uDAPL, Intel MPI suffered from the same issues as cited above. It was successfully run on a cluster of one system from Chelsio and NetEffect, but it could not be successfully run on a cluster of 4 systems.

The UNH-IOL Interoperability Test Tool was successfully executed between the two Chelsio devices. For further results see the following Chelsio Interoperability Report. 

If you have any questions about the test procedures or results, please feel free to contact us via email or by phone.

Testing Completed 11/08/2007

A handwritten signature in black ink, appearing to read 'Mikkel Hagen'.

Mikkel Hagen
mhagen@iol.unh.edu

Review Completed 11/8/2007

A handwritten signature in black ink, appearing to read 'Dustin M. Schoenbrun'.

Dustin M. Schoenbrun
dustin@iol.unh.edu

OFA-IWG Interoperability Event Report

DUT: Chelsio R310E-CX4 RNIC

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