



OpenFabrics Alliance

Interoperability Working Group (OFA-IWG)

March 2008 Interoperability Event Report

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Report Rev1.0

Enclosed are the results from OFA Interoperability testing performed on the following devices under test (DUTs):

Chelsio Communications R310E Adapter

The test suite referenced in this report is available at the OFA website, at test time release 1.17 (March 3, 2008) was used:

<http://www.iol.unh.edu/services/testing/ofa/testplan.pdf>

Test Procedure	IWG Test Status	Result/Notes
10.17: iWARP Connectivity	Mandatory	Pass
10.15: HP MPI - HP	Beta	Informative
10.16: TI uDAPL	Beta	Fail
10.21-22: TI Basic RDMA Interoperability	Beta	Not Tested
10.23-24: TI RDMA Operations over Interconnect Components	Beta	Not Tested

For specific details regarding issues please see the corresponding test result.

Testing Completed 04/17/2008

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Review Completed 04/18/2008

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Report Revision History

v1.0 Initial Release

Table 1: Result Key

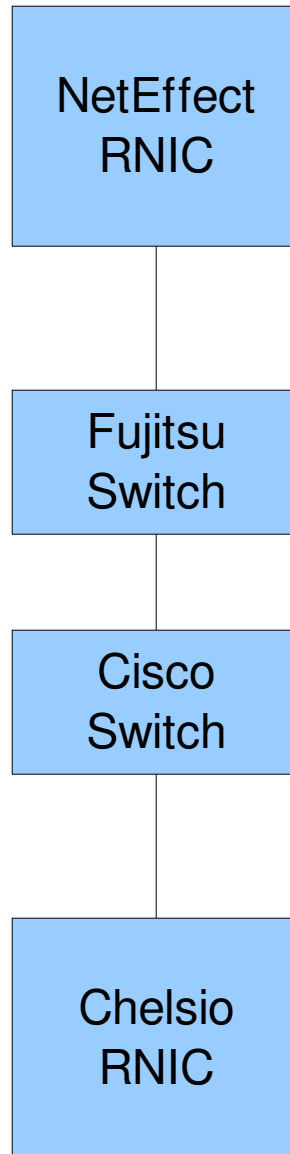
The following table contains possible results and their meanings:

Result:	Description:
PASS	The Device Under Test (DUT) was observed to exhibit conformant behavior.
PASS with Comments	The DUT was observed to exhibit conformant behavior however an additional explanation of the situation is included, such as due to time limitations only a portion of the testing was performed.
FAIL	The DUT was observed to exhibit non-conformant behavior.
Warning	The DUT was observed to exhibit behavior that is not recommended.
Informative	Results are for informative purposes only and are not judged on a pass or fail basis.
Refer to Comments	From the observations, a valid pass or fail could not be determined. An additional explanation of the situation is included.
Not Applicable	The DUT does not support the technology required to perform this test.
Not Available	Due to testing station limitations or time limitations, the tests could not be performed.
Borderline	The observed values of the specified parameters are valid at one extreme and invalid at the other.
Not Tested	Not tested due to the time constraints of the test period.

Table 2: DUT Information

DUT #1 Details			
Manufacturer	Chelsio Communications	Firmware Rev	T 5.0.0 TP 1.1.0
Model	R310E	Hardware Rev	Rev3
Driver	1.0-ofed		
Additional Comments/Notes			

Test Setup:



Device Test Summary Results:

The following tables detail results for tests identified by the OFA-IWG for the OFA Interoperability Logo Program (OFILP) per the OFA-IWG Interoperability Test Plan Release 1.17 (March 3, 2008)

Test Number and Name	Part(s)	Summary Note(s)	Result(s)
Group 15: MPI – Hewlett-Packard		uDAPL	Informative

Discussion: Test Results


The tests did not run on the Chelsio-Chelsio cluster nor did it run on the multi-vendor cluster. This is believed to be related to the issues seen in uDAPL testing.

Test Number and Name	Part(s)	Summary Note(s)	Result(s)
Group 16: TI uDAPL	Test #1-10	Failed to execute #3.2	Fail

Discussion: Test Results

The tests did not run on the Chelsio-Chelsio cluster nor did it run on the multi-vendor cluster. It is believed that this is a failure in the implementation of uDAPL and Chelsio such that the initiator of a connection is not guaranteed to send the first PDU, which causes the connection to tear down. This has a proposed fix in OFED 1.4.

The test fails to run on Test #3.2.

See trace: 

Test Number and Name	Part(s)	Summary Note(s)	Result(s)
Group 17: iWARP Connectivity	Group #1-8	No issues were seen	Pass

Discussion: Test Results

Full report found here: 

Test Number and Name	Part(s)	Summary Note(s)	Result(s)
Group 21: TI Basic RDMA Interoperability	Test #1-10		Not Tested

Discussion: Test Results

Not tested due to time constraints

Test Number and Name	Part(s)	Summary Note(s)	Result(s)
Group 23-24: TI RDMA Operations over Interconnect Components	Test #1-10		Not Tested

Discussion: Test Results

Not tested due to time constraints