

OFA IWG Meeting – 8/12/2014

First	Last	Company	07/01/14	07/15/14	07/29/14	08/12/14
Bob	Dugan	Chelsio	X	X	X	X
Martin	Schlining	DataDirect Networks	X	X	X	
Allen	Andrews	Emulex		X		
Dean	Cimoli	Emulex		X	X	X
Pradeep	Satyanarayana	IBM	X	X		
Harry	Cropper	Intel	X	X		X
Jess	Robel	Intel	X		X	
Rupert	Dance	Software Forge		X	X	X
Glenn	Martin	UNH-IOL	X	X	X	X
Edward	Mossman	UNH-IOL	X	X		X
Stefan	Oesterreich	UNH-IOL				X
Chuck	Valenza	UNH-IOL	X		X	X
Dave	Wyman	UNH-IOL	X	X	X	X

Agenda

- **Interop and Plugfest Events**
 - **October 2014**
 - IBTA PF26 10/20 → 10/31/2014
 - OFA Interop Debug Event 10/27 → 10/31/2014
 - **April 2015**
 - IBTA PF27 04/13 → 04/24/2015
 - OFA Interop Debug Event 04/20 → 04/24/2015
- **OFA EWG Status**
 - OFED 3.12-1 Daily Build – latest is 8/6/2014
 - <https://www.openfabrics.org/downloads/OFED/ofed-3.12-1-daily/OFED-3.12-1-20140806-0531.tgz>
 - **Discussion:** There is a build problem with DAPL dapl-2.1.0 – [see below](#).
 - OFED 3.12-1 – user package status as of 8/11/2014
 - <https://ofa.causewaynow.com/wg/OFLIG/document/206>
 - OFED 3.12-1 – **RC1** due on 8/18/2014
 - OFED 3.17
- **Bug Status**
 - OFED 3.12-1 – bug status as of 8/11/2014
 - <https://ofa.causewaynow.com/wg/OFLIG/document/165>
 - NFSoRDMA Bug [2494](#) – still open
- **April 2014 Interop GA Event**
 - OFA logo List has been published
 - <https://www.iol.unh.edu/services/testing/ofa/interoplist/2014-05/>
- **October 2014 - OFA Interop Debug Event – Test Plan updates**
 - Test plan updates – new topology diagrams
 - <https://ofa.causewaynow.com/wg/OFLIG/documentRevision/download/342>
 - **Discussion:** Result Key table - Suggested addition is Not Supported by vendor

Daily build testing

Glenn

- 1) UNH-IOL has not done any daily build testing yet because they have been trying to wrap up all the GA Logo testing and reports. They will start testing next week. They are committing to work on Daily Build Friday 8/15/2014
- 2) **Rupert** mentioned that there was a build problem with DAPL dapl-2.1.0 which has been resolved with dapl-2.1.1 which is included in the updated build
 - a) <https://www.openfabrics.org/downloads/OFED/ofed-3.12-1-daily/OFED-3.12-1-20140818-0317.tgz>
- 3) **Rupert** asked that UNH-IOL download SLES 12 and test the included OFED 3.12.
 - a) Edward asked about OFILG membership and dues.
 - b) Rupert noted that the EWG supports both RHEL and SLES and so we need to do the testing. We use freely available Distros like CentOS and SL whenever possible.
 - c) Rupert requested that Edward check with Bob Noseworthy about this concern.

Bug Status

- OFED 3.12-1 – bug status as of 8/11/2014
 - <https://ofa.causewaynow.com/wg/OFLIG/document/165>
- NFSoRDMA Bug [2494](#) – still open
- There has been no action but Rupert has been following up with Pradeep and others.

May 2014 Interop GA Event

- OFA logo List has been published
 - <https://www.iol.unh.edu/services/testing/ofa/interoplist/2014-05/>
- All the reports have been published except for one vendor who has been contacted.
 - **AR:** UNH-IOL

Test Plan Review - <https://ofa.causewaynow.com/wg/OFLIG/documentRevision/download/342>

iWARP Topology

- 1) Chuck mentions that there should be no arrows in the diagram. Rupert mentioned that he had to modify the diagrams so that they would work with FrameMaker and when he copies the diagrams the lines turn to arrows.
- 2) Chuck will try cut and paste and replicate. UNH-IOL is using Visio 2003 and Rupert is using 2010 and so this may be the source of the problem.

RoCE Topology

- 1) Rupert to fix the Visio topology diagrams for iWARP and RoCE to eliminate arrows
- 2) Dean confirms that the diagrams are technically correct

InfiniBand Topology

- 1) The diagram looks good

Open MPI Update

- 1) Dave from UNH-IOL has been working on an Open MPI update and will complete within a week

iSER Update:

- 1) Edward has worked with iSCSI consortium. They have an interoperability test suite which they will implement in OFA test suite. Interop is detailed but straight forward. They also have a conformance test. Edward will have a draft ready before the next meeting

Discussion regarding the Result Key table used in the Logo GA reports

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.
Qualified PASS	The DUT was observed to exhibit conformant behavior, with the exception of fault(s) or defect(s) which were previously known.
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 specific parameters are valid at one extreme and invalid at the other.
Not Tested	Not tested due to the time constraints of the test period.

Qualified Pass

- 1) Rupert feels that the definition for **Qualified Pass** is incorrect and that there is too much overlap between this and **Pass with Comments**.
- 2) UNH-IOL currently defines **Qualified Pass** as: The DUT was observed to exhibit conformant behavior, with the exception of faults(s) or defect(s) which were previously known.
- 3) Jim Ryan from Intel was the one who proposed this additional Result Key and his definition was “Allow a product on the Logo List as long as all issues and defects are very clearly outlined”. This is documented in the following document.
 - a) <https://ofa.causewaynow.com/wg/OFLIG/documentRevision/download/97>
 - b) He also made this comment in an original email: *I'd like to discuss the possibility of a “qualified pass”. I believe it's fair to say the current rules put the bar pretty high.*
- 4) There is further verification of the intent of qualified pass from the meeting minutes from a meeting with Jim Ryan and Rupert which included Jim Ryan's request for changes
 - a) Transparency and openness
 - i) Rupert will bring this up with the group
 - b) Arbitration Committee
 - i) I have no problem with this. Jim will do this.
 - c) Qualified pass
 - i) Rupert will work on this and get group approval to allow failing products
 - d) Determine components to test
 - i) Eliminate ringers
- 5) Edward felt that Qualified Pass was for those conditions where a device would pass a test but there is an exception that caused a failure – for example someone submitted an IB Toaster that caused the Intel device to fail.
 - a) **Rupert:** Upon review of the things noted above, I believe this is mixing Qualified Pass and Determine devices to test. Clearly Jim Ryan's intent was to allow a device on the Logo List even

if it had failures as long as all the failures and defects were listed and the vendors agreed to publish the report acknowledging the failures.

Pass with Comments

- 1) **Edward** feels that an example of this test result is if IPoIB passed with exception of one ping size.
- 2) **Rupert** feels that this is an example of a Qualified Pass because prior Jim Ryan's request, a device had to pass all testing to be listed on the Logo List. A better example of Pass with Comment is when Device A is listed on the Logo List despite a noted Interop failure with Device B. The comment would indicate the failure was caused by Device B which is why Device A was included.

Other discussions regarding results

Bob Dugan:

- 1) How is a Beta test different from a regular test
 - a) **Rupert:** The results of a Beta test cannot prevent a device from getting on Logo List
 - b) UNH-IOL currently includes both Beta and Mandatory results in the GA Logo Reports
- 2) His concern is what happens if we go down in flames on a Beta result. He would like to see the report of Beta be optional.
 - a) **Edward** is concerned about this proposal because he feels more info is better for end user.
- 3) Rupert suggestions:
 - a) A vendor may choose to run Beta tests during the Interop Debug event list the device as Not Supporting the Beta feature when submitting it for the Logo validation testing
 - b) Rupert will make a motion to make the results of Beta testing optional versus mandatory.
 - c) Dean supports Beta as being optional
 - d) Harry supports both Bob and Dean's requests to make the report of Beta results optional.
- 4) **Edward** Informative could be good results for Beta test.

Proposal for changes to the Result Key Table

Qualified Pass

- **Existing text:** The DUT was observed to exhibit conformant behavior, with the exception of faults(s) or defect(s) which were previously known.
- **Updated text:** This product has been included on the Logo List however there are some known issues or defects which are outlined below.

Pass with Comment

- **Existing text:** The DUT was observed to exhibit conformant behavior however an additional explanation of the situation is included.
- **Updated text:** The DUT was observed to exhibit conformant behavior and there were no failures that were caused by this device however an additional explanation of the situation is included.

Not Applicable → Not supported by vendor

- **Existing text:** The DUT does not support the technology required to perform this test.
- **Updated text:** no change but change the name of this Result to Not supported by vendor
- Harry and Bob both approve of this change

Informative:

- **Existing text:** Results are for informative purposes only and are not judged on a pass or fail basis.
- **Updated text:** Results are for informative purposes only and are not judged on a pass or fail basis. *This includes results from Beta testing. Note: the reporting of Beta testing results is optional and is at the discretion of the vendor whose product is being tested.*

Action Requests (ARs)

Chelsio

11/5/2013

- 1) Send UNH-IOL transceivers and cables that will work with the T5 adapter and the IBM switch

IBM – Pradeep

8/12/2014

- 1) Send approval for May GA logo reports.

5/06/2014

- 1) See if you can get IBM to ship us an addition PPC64 machine with HMC so we can setup a serial console for debugging.

Intel - Jess

5/06/2014

- 1) Check out the “-R” option of the perfest utilities –[Jess confirms that RDMA -R option is working as of 8/17/2014](#)

Software Forge – Rupert Dance

8/12/2014

- 1) Fix the Visio topology diagrams for iWARP and RoCE to eliminate arrows - [done 8/18/2014](#)
- 2) Review and make suggested changes for the Results Key Table - [done 8/18/2014](#)
- 3) Make a motion to update the results key table as proposed in these minutes

7/29/2014

- 1) [AR on Bug 2494](#): Rupert follow up with the developers and Dean will follow up with Devesh
- 2) Update Topology diagrams in Interop Test Plan - [done 8/11/2014](#)
- 3) Check in with Pradeep from IBM about equipment and logo Report – [sent email on 8/13/2014](#)

7/15/2014

- 1) Ask Mellanox to provide a 40 GbE RoCE switch

Older

- 1) Update Logo Program to include OFA Policy regarding OFILG Membership and granting of the Logo
- 2) Create Logo with version or change Logo Guidelines – see 4/3/2012 minutes

UNH-IOL

8/12/2014

- 1) Chuck to determine problem with Visio topology diagrams when copying and pasting to a new tab
- 2) Review proposed changes to the results key table
- 3) Test SLES 12
- 4) Test OFED 3.12-1 daily build by 8/15/2014

7/29/2014

- 1) Glenn check the test plan for language and “Not Supported by vendor” - [done 7/29/2014](#)

7/15/2014

- 1) See if there is any connection between the IB NFSoRDMA failure and bug 2494
- 2) Research what needs to be done to enhance the iSER test suite and then test iSER in OFED 3.12-1
- 3) UNH-IOL to review Open MPI in the test plan and to provide updates to Rupert

5/06/2014

- 1) Check out the “-z” option of the perfest utilities