OFA IWG Meeting – 7/29/2014

First	Last	Company	06/17/14	07/01/14	07/15/14	07/29/14
Bob	Dugan	Chelsio	X	X	X	X
Martin	Schlining	DataDirect Networks	X	X	X	X
Allen	Andrews	Emulex			X	
Dean	Cimoli	Emulex			X	X
Pradeep	Satyanarayana	IBM	X	X	X	
Harry	Cropper	Intel	X	X	X	
Jess	Robel	Intel	X	X		X
Rupert	Dance	Software Forge			X	X
Glenn	Martin	UNH-IOL	X	X	X	X
Edward	Mossman	UNH-IOL	X	X	X	
Chuck	Valenza	UNH-IOL	X	X		X
Dave	Wyman	UNH-IOL	X	X	X	X

Agenda

- **Meeting Minutes from 7/15/2014**
  - https://ofa.causewaynow.com/wg/OFLIG/documentRevision/download/336
- **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 GA – released 5/27/2014
    - https://www.openfabrics.org/downloads/OFED/ofed-3.12/OFED-3.12.tgz
  - OFED 3.12-1 Daily Build – latest is 7/22/2014
    - https://www.openfabrics.org/downloads/OFED/ofed-3.12-1-daily/OFED-3.12-1-20140722-0728.tgz
  - OFED 3.12-1 – user package status as of 7/21/2014
    - https://ofa.causewaynow.com/wg/OFLIG/document/206
    - Daily build 7/22/2014 includes new libibverbs and libmlx4
  - OFED 3.12-1 – planned updates
    - Chelsio Updates
    - Intel Xeon Phi – MIC
    - NFSoRDMA updates
    - Perftest updates
    - RHEL 7
  - OFED 3.17
- **Bug Status**
  - OFED 3.12-1 – bug status as of 7/21/2014
    - https://ofa.causewaynow.com/wg/OFLIG/document/165
  - NFSoRDMA Bug 2494 – still open
- **April 2014 Interop GA Event**
  - Testing Status update from UNH-IOL

- **October 2014 -** OFA Interop Debug Event – Test Plan updates
  - Test status updates
  - Open MPI updates
  - NFSoRDMA and iSER
- **Opens**

Daily build testing
Glenn
1) Edward was out Monday and Tuesday so no daily build testing
2) They have installed 7/22/2014 and will start to do some testing this week

Jess from Intel
1) Has not done any of them.

Bug 2494 - Dave
1) The problem is when an IBM PPC mounts a share and runs the Connectathon tests. It fails at 1 MB an reboots the client x86. There is a work around if you manually adjust rsize and wsize. See the notes in Bug 2494. Steve Wise still thinks it is PPC issue.
2) The issue appears with Mellanox and Emulex cards. With default parameters it occurs on both by changing parameters it has different effect.
3) AR on Bug 2494: Rupert follow up with the developers and Dean will follow up with Devesh

April 2014 Interop GA Event - Testing Status update from UNH-IOL
1) Reports have been finalized and sent out. Still making minor updates to a few reports and will be completed by end of week.
2) They will follow up with anyone who has not approved in writing.
3) Response is due in two weeks because reports were sent out on 7/17/2014
4) He will confirm with Bob Noseworthy

iSER and NFSoRDMA - Bob Dugan and Harry have discussed
1) Chelsio now feels good about Beta on both of these. Good for now but wants to get back to Harry.
2) How do heterogeneous failures work?
   a) Rupert says they would be labelled as "Pass with comments"

Result Key table
1) Qualified Pass when one passes.
   a) The DUT was observed to exhibit conformant behavior –
2) **AR**: Glenn check the test plan for language and "Not Supported by vendor"

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.

Test Status review

Dean – RDMA Stress for RoCE – are we still in Beta. We all feel that this should remain in Beta until everyone has tested.

AR: Dave send Visio diagrams – done 7/29/2014
RSD: Send Dave MPI installation notes – done 7/29/2014

Bob Dugan
1) Please update iWARP diagram in Interop Test Plan
2) Make sure include 40 and 10
3) AR: RSD review with Bob Dugan

Opens
1) **Glenn**: we could give pass with comments for a test that passes parts A but part B is not applicable.
2) **Dave**: suggests that when equipment is not available – then pass comment.
3) **Rupert**: vendors please attend the Interop Debug event

AR Rupert Check in with Pradeep from IBM

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
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 – 5/13/2014 partial feedback – still some research needed.

Software Forge – Rupert Dance
7/29/2014
1) AR on Bug 2494: Rupert follow up with the developers and Dean will follow up with Devesh
2) Send Dave MPI installation notes – done 7/29/2014
3) Update Topology diagrams in Interop Test Plan - review with Bob Dugan
4) Check in with Pradeep from IBM about equipment and logo Report

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
7/29/2014
1) Dave send Visio diagrams to Rupert – done 7/29/2014

7/15/2014
1) See if there is any connection between the IB NFSoRDMA failure and bug 2494
2) Research want 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