OFA IWG Meeting – 9/9/2014

First	Last	Company	07/29/14	08/12/14	08/26/14	09/09/14
Bob	Dugan	Chelsio	X	X	X	X
Martin	Schlining	DataDirect Networks	X			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	X
Glenn	Martin	UNH-IOL	X	X		X
Edward	Mossman	UNH-IOL		X	X	X
Bob	Noseworthy	UNH-IOL				X
Stefan	Oesterreich	UNH-IOL		X	X	X
Chuck	Valenza	UNH-IOL	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 – **RC1** released on 8/27/2014
        - https://www.openfabrics.org/downloads/OFED/ofed-3.12-1/OFED-3.12-1-rc1.tgz
    - OFED 3.12-1 Daily Build – latest is 9/7/2014
        - https://www.openfabrics.org/downloads/OFED/ofed-3.12-1-daily/OFED-3.12-1-20140907-2353.tgz
    - OFED MIC is now included as an option – see notes in Readme
- **Bug Status**
    - OFED 3.12-1 – bug status as of 8/26/2014
        - https://ofa.causewaynow.com/wg/OFLIG/documentRevision/download/359
    - NFSoRDMA Bug 2494 – still open
- **October 2014 -** OFA Interop Debug Event
    - Review updated Logo Program Document
        - https://ofa.causewaynow.com/wg/OFLIG/documentRevision/download/361
    - Result Key table
        - https://ofa.causewaynow.com/wg/OFLIG/documentRevision/download/358
    - Test Plan
        - **Pending**: iSER

OFA Interop Debug Event Registration

1) Registration is now open.
   a) IBTA and OFA Members:
      i) http://infinibandta.org/content/pages.php?pg=events_plugfest
   b) OFILG Only:
      i) https://www.iol.unh.edu/services/testing/ofa/events/invitation_2014-10.php
2) IBTA - RoCEv2 Specs have been posted
   a) https://cw.infinibandta.org/document/dl/7781

Comments on RoCEv2 - Bob Noseworthy
1) We will **not** be doing RoCEv2 testing for October 2014.
2) Vendors should notify us if they have support already for RoCEv2 and what their timeline is.

OFED 3.12-1 RC Testing status

Rupert asked if any vendors have begun testing of RC1 and none of the vendors had begun testing yet.

UNH-IOL - Edward
1) They have been doing iWARP and some with RoCE but none with IB yet.

OFED 3.12-1 Bug status

Bug 2494 – Pradeep will submit comments and suggestions for how to resolve this.

OFILG Logo Program Updates – Edward Mossman

The main focus of the update was to include sections for RoCE devices. They also made other smaller semantic changes
Section 3.1 – UNH-IOL has updated their contact info
Section 5.1 - Applicable Interoperability Tests by Vendor Equipment Types

IB section
1) There was one big combined table with both IB and iWARP so they made 3 separate tables – one for each transport
2) They also updated the 3rd column and made it match the latest Test Plan and mandatory tests. This includes both Mandatory and Beta tests for the device.
3) **Bob**: this is the overall guide for the tests that apply to your device. So please check carefully.
4) **Rupert**: Some of the tests in the IB section say IPoIB Datagram mode only – why is that?
5) **Bob**: we have also included servers that want to be tested as Interoperable with other IB systems but may not use a supported OS.

iWARP Table
1) This was just broken out by transport – there are no real changes column 1 & 2
2) Column 3 has been updated to reflect latest test plan.
3) NFS/RDMA was changed to NFSoRDMA
4) **Bob Dugan**: need more definition of Ethernet switches and what we should test – for example do we have plans for 40 GbE adapters.
1) **Bob Noseworthy**: we do have a 40 GbE switch. We would like to broaden the involvement. What do you want?
2) **Bob Dugan**: thinks both iWARP and RoCE vendors need push the switch vendors.

3) **Edward**: Emulex has provided a 40 GbE switch – Arista 7050QX – 36 40 GbE ports – can be broken out into four 10 GbE lanes.
4) **Bob Noseworthy**: we could test both iWARP and RoCE together.
5) **Bob Dugan**: he does not see 40 GbE showing in the diagram and the test plan.
   a) He will try and provide a 40 GbE switch which will support both 10 and 40.
6) **Rupert**: I am working with Mellanox and they have committed to bringing both 40 GbE adapters and a switch to the October 2014 Interop debug event.

RoCE Table
1) This new table was modelled after iWARP and includes all the same things.
2) The existing Ethernet switch we have does support DCB
3) **Bob Noseworthy**: we would love to have an Ethernet switch vendor join OFILG and do testing.

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 – in process as of 9/11/2014

Intel - Jess

Software Forge – Rupert Dance
9/9/2014
1) Ask RedHat to make RHEL 7.0 available for testing – available as of 9/11/2014
2) Ask SUSE to make SUSE 12 available for testing – available as of 9/22/2014
3) Ask Mellanox to make 40 GbE RCA and Switch available for testing – Mellanox committed as of 9/23/2014
4) Review Logo Program update and add other pending updates
5) Add results key to Interop Test plan - done 9/23/2014

8/26/2014
Add –R option to perfest.

7/29/2014
1) AR on Bug 2494: Rupert follow up with the developers and Dean will follow up with Devesh

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

9/9/2014

1) Some of the tests in the IB section say IPoIB Datagram mode only – why is that?

8/26/2014

1) Edward update the Logo Program and include all the categories for RoCE – done 9/8/2014
2) iSER updates due by next meeting
3) Logo Program Update due by next week – done 9/8/2014
4) UNH-IOL do some testing and validate CentOS

8/12/2014

1) Chuck to determine problem with Visio topology diagrams when copying and pasting to a new tab
2) Test SLES 12 – available as of 9/22/2014

7/15/2014

1) Research want needs to be done to enhance the iSER test suite and then test iSER in OFED 3.12-1

5/06/2014

1) Check out the "-z" option of the perfest utilities