OFA IWG Meeting – 6/3/2014

First	Last	Company	03/25/14	05/06/14	05/20/14	06/03/14
Bob	Dugan	Chelsio	X			
Martin	Schlining	DataDirect Networks	X		X	X
Allen	Andrews	Emulex			X	X
Dean	Cimoli	Emulex	X	X	X	
Pradeep	Satyanarayana	IBM		X	X	X
Harry	Cropper	Intel	X		X	X
Jess	Robel	Intel	X	X	X	X
Jim	Ryan	Intel	X			
Rupert	Dance	Software Forge	X	X	X	X
James	English	UNH-IOL		X		
Glenn	Martin	UNH-IOL			X	X
Edward	Mossman	UNH-IOL	X	X	X	
Bob	Noseworthy	UNH-IOL				
Chuck	Valenza	UNH-IOL		X		X
Dave	Wyman	UNH-IOL				X

Agenda

- **Meeting Minutes from 5/20/2014**
  - https://ofa.causewaynow.com/wg/OFLIG/documentRevision/download/311
- **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
    - Updates to OFED readme notes and all package release notes
  - OFED Bug list – review of latest status – as of 5/27/2014
    - https://ofa.causewaynow.com/wg/OFLIG/documentRevision/download/312
  - OFED User Packages
    - https://ofa.causewaynow.com/wg/OFLIG/documentRevision/download/313
  - Next OFED releases
    - OFED 3.12-1 contents
      - RHEL 7
      - NFSRDMA
      - Intel MIC
    - OFED 3.17
- **April 2014 Interop GA Event**
  - Testing Status update from UNH-IOL
- **October 2014 plans**
  - IBTA RoCE compliance testing proposal
  - OFA Interop Debug Event

OFA EWG Status

1) We discussed the fact that OFED 3.12 GA had been released and that all the updated packages were included in the release notes. I also pointed out that the list of user packages included in the GA were available in the list provided above.
2) There were several packages that we decided not to updated in OFED 3.12 because they were released late in the RC cycle and contained major updates that had not been well tested. This included changes to mlx4 and libibverbs. These packages will be included ion OFED 3.12-1
3) We also reviewed the bug list and noted that the 7 remaining bugs had all be moved to OFED 3.12-1.
4) Next OFED releases
   a) **OFED 3.12-1** – this will effectively be a point release but it will contain some significant updates
      i) **RHEL 7** – this build will support RHEL 7 whereas 3.12 only supported 6.5
      ii) **NFSRDMA** – there was a whole series of updates submitted to be included in the 3.16 kernel. These were not included in 3.12 GA because they were untested. But Jeff Becker has since tested these and feels they are ready to be back ported to 3.12-1.
      iii) **Intel MIC** – this build will include all of the functionality to provide support for the Intel Xeon PHI cards. This feature will not be compiled by default but will be available as an option. This is because there are additional Intel components that must be installed on a host in order to support this hardware.
   b) OFED 3.17 – this will be the next kernel we will target for OFED because they have already opened the merge window for 3.16 and by the time we finish 3.12-1, 3.16 will be far along the RC path. Everyone agrees that there really is no difference in the stability between odd and even kernels. What is more of a deciding factor is which kernel the Distros choose to include..

OFA Logo GA Event Update – Glenn
InfiniBand

1) They are now 80% complete and things have been going very smoothly.
2) The things they have not completed yet are the MPI, Link Init and SM Failover testing. They hope to complete the IB testing by the end of June 13th

iWARP - Chuck

1) They initially had some hardware issues on their side but have resolved them now and things have been going well with iWARP. They are approximately 80% complete.
2) The things that need to be finished are NFS RDMA. RSockets and Link Init. They hope to be done by the end of June 13th

RoCE - Glenn

1) They have not done RoCE yet because they are waiting on some configuration issues. The plan is to get things finished in the same time frame as IB and iWARP.

Rupert asked if all the vendors had updated their firmware and if there were any unresolved issues before we started the GA testing.
1) **Marty** – all set with firmware
2) **Intel** – Jess is all set
3) **Intel** – Harry is OK

IBTA Sponsored RoCE Integrators List

Rupert: The IBTA CIWG is working to create a RoCE Integrators' List similar to the IB IL List. This will primarily be focused on compliance testing which will include Physical Layer testing, Protocol Layer testing and Fabric testing. We will also include system interoperability which will consist of RoCE CAs and switches and all of the QSFP cables submitted by Ethernet vendors. The Open MPI test suite is used to determine if there are any symbol errors over the course of a 5-10 minute run of the Intel Benchmark tests. The rest of the OFED stack is not tested nor are any of the other ULPs.

Pradeep: Will Microsoft Participate?

Rupert: I met with Mellanox and they have committed to participating and are excited about it. The will provide both 40 GbE RCAs and will provide 40 GbE DCB enabled switches

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

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

5/06/2014

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