OFA IWG Meeting – 1/27/2015

First	Last	Company	12/02/14	12/16/14	01/13/15	01/27/15
Martin	Schlining	DataDirect Networks			X	X
Dean	Cimoli	Emulex	X	X	X	X
Pradeep	Satyanarayana	IBM	X	X	X	X
Harry	Cropper	Intel	X	X	X	X
Jess	Robel	Intel	X	X	X	X
Jim	Ryan	Intel				X
Rupert	Dance	Software Forge	X	X	X	X
Glenn	Martin	UNH-IOL	X	X		X
Bob	Noseworthy	UNH-IOL	X			
Stefan	Oesterreich	UNH-IOL		X		
Chuck	Valenza	UNH-IOL			X	
Dave	Wyman	UNH-IOL	X	X	X	X

Agenda

- **Meeting Minutes from 1/13/2015**
    - https://ofa.causewaynow.com/wg/OFLIG/document/297

- **Interop and Plugfest Events**
    - **April 2015**
        - IBTA PF27   04/13 ➔ 04/24/2015
        - OFA Interop Debug Event   04/20 ➔ 04/24/2015
    - **October 2015**   <mark>Confirmed</mark>
        - IBTA PF28   10/12 ➔ 10/23/2015
        - OFA Interop Debug Event   10/19 ➔ 10/23/2015

- **OFA EWG Status**
    - OFED 3.12-1 – **GA** released on 1/22/2015
        - https://www.openfabrics.org/downloads/OFED/ofed-3.12-1/OFED-3.12-1.tgz
        - Resolution of Bug 2515
    - OFED 3.18 Daily Build – latest is 1/18/2015
        - https://www.openfabrics.org/downloads/OFED/ofed-3.18-daily/OFED-3.18-20150118-0545.tgz

- **OFA Interop Logo Event starts Monday 1/26/2015**
    - OFED 3.12-1 GA for iWARP and IB
    - OFED 3.18 is the primary for RoCE
    - Frozen software, firmware and hardware.

- **Bug Status**
    - OFED bug status as of 1/19/2015
    - https://ofa.causewaynow.com/wg/OFLIG/documentRevision/download/416

- **OFED Packages for both 3.12-1 and 3.18 – as of 1/12/2015**
    - https://ofa.causewaynow.com/wg/OFLIG/documentRevision/download/411

- **Opens**

OFED 3.12-1 Status
1) **GA** released on 1/22/2015 and is being used in Logo GA testing for IB and iWARP

OFED 3.18
1) OFED-3.18-20150118-0545.tgz is being used for RoCE testing
2) Supported OSs
   a) RHEL 7.0 – supported for all packages
   b) RHEL 6.5 and 6.6 – still waiting for some backports
   c) SLES 12 - supported for all packages
   d) SLES 11 SP3 - SRP iSER and Mellanox core
3) Backport Status - RHEL 6.5 and 6.6
   a) **Chelsio**: Pull in critical bug fixes upstream
   b) **Emulex**: Needs to add support for 6.5 and 6.5
   c) **Intel**: needs to add support for QIB and Xeon Phi
   d) **Mellanox**: Needs to pull in critical fixes since 3.18
4) Backport Status – SLES 11 SP3
   a) Emulex: uncertain
   b) **Intel**: needs to add support for QIB and Xeon Phi

October 2015 – Interop Debug events dates
1) Dave says that UNH-IOL is all set with the dates and has reserved the space.
2) All other vendors confirmed that the dates are good for both April and October 2015

Logo GA testing status
1) Rupert verified that the IWARP Port Mapper seems to install well with the current OFED 3.18.There is a dependency on **libnl** but the OFED installer warns you if it is not on your system.

OFED 3.18 – Dave Wyman update
1) They are still working on a few issues but most things are working well
   a) NFSRDMA timeout in one direction.
   b) Small RDMA Reads OK – large are broken.
2) We decided we should wait on RoCE testing and let the developers and vendors work out the last remaining issues. We should do iWARP and IB testing forst.
3) NFSoRDMA issues have been there for a long time. This is Beta so do GA testing first
4) Dean
   a) 3.18 things are going well. They are making progress resolving the final issues even though it might be a little slower than they would like. They will work hard for the next 2 weeks to wrap things up.

OFED 3.12-1 IB
1) Testing has gone very well. Here are the things that they have done:
   a) Open MPI – parts a and b
   b) Fabric Init
   c) IPoIB – parts B & C in datagram and connected modes
      i) Part A is the ping test with all sizes and all nodes.
   d) RMDA Basic
   e) SRP

   i) This is a test that is difficult because the machines make it loud & hot. They have not completed all of the testing.

   ii) Marty is good and has tested OFED 3.12-1 GA.

2) Overall they have not come up with any issues with the GA other than those noted in Bug 2515

3) Jess

  a) Some members have used OFED 3.12-1 and had no problem

4) Dean

  a) 3.12-1 GA just started testing on Monday

iWARP

1) Testing has gone very well and there are no issues to report

2) Harry

  a) The Intel iWARP team has not done any testing yet

Action Requests (ARs)

Emulex – Dean
1/13/2015

1) Follow up on Intel Bug 2518 – it is still broken on Emulex devices

IBM – Pradeep
1/13/2015

1) Please push NFSRDMA to get a solution in the OFED 3.18 code and then ask UNH-IOL to verify.

10/7/2014

1) Rupert asked Pradeep to review the status of Bug on 2507 which involves NFSRDMA - Kernel Panic while parallel mount/unmount test.

Intel – Jess
1/13/2015

2) Follow up on Intel Bug 2518 – done and this bug is now resolved

Software Forge – Rupert Dance
9/9/2014

1) Logo Program updates: some of the tests in the IB section say IPoIB Datagram mode only – why is that? – reviewed. Bob says to remove it – done by Rupert 1/26/2015

UNH-IOL
12/2/2014

1) Test OFED 3.18 and see if it has resolved the NFSRDMA issues – waiting for NFSoRDMA fixes in 3.18

9/23/2014

1) Test –R option to perfest and submit suggested updates for test plan – Glenn will do –R and -z

2) Provide color key for Test Results Key – trivial may wait until after Plugfest

8/26/2014

1) iSER updates due by next meeting – no progress as of 10/7/2014 – Bob will follow up and Dr Russell will help out. Need to emulate a link partner. Bob asks vendors to get active that have target interest.