

OFA IWG Meeting – 12/2/2014

First	Last	Company	09/09/14	09/23/14	10/07/14	12/02/14
Bob	Dugan	Chelsio	X			
Martin	Schlining	DataDirect Networks	X	X		
Dean	Cimoli	Emulex	X	X	X	X
Pradeep	Satyanarayana	IBM	X		X	X
Harry	Cropper	Intel	X	X	X	X
Jess	Robel	Intel		X	X	X
Rupert	Dance	Software Forge	X	X	X	X
Glenn	Martin	UNH-IOL	X		X	X
Bob	Noseworthy	UNH-IOL	X		X	X
Chuck	Valenza	UNH-IOL			X	
Dave	Wyman	UNH-IOL	X	X	X	X

Agenda

- **Interop and Plugfest Events**
 - **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 – **RC3** released on 10/14/2014
 - <https://www.openfabrics.org/downloads/OFED/ofed-3.12-1/OFED-3.12-1-rc3.tgz>
 - OFED 3.12-1 – RC4 – released 12/4/2014
 - <https://www.openfabrics.org/downloads/OFED/ofed-3.12-1/OFED-3.12-1-rc4.tgz>
 - OFED 3.18 Daily Build – latest is 11/24/2014
 - <https://www.openfabrics.org/downloads/OFED/ofed-3.18-daily/OFED-3.18-20141124-0516.tgz>
- **Bug Status**
 - OFED bug status as of 12/2/2014
 - <https://ofa.causewaynow.com/wg/OFLIG/documentRevision/download/392>
- **Interop Test Event Status**
 - OFA Interop Debug Event Status
 - OFA Interop Logo GA Event Status
 - Which versions of OFED do we use
- **Opens**

OFED 3.12-1 Bug Status

- Bug [2489](#) – NFSoRDMA – delayed until OFED 3.18
- Bug [2492](#) – Perfest - enhancement
- Bug [2502](#) – RDS – under consideration at Oracle - WONTFIX
- Bug [2507](#) – Kernel panic NFSoRDMA

OFED 3.18 Bug Status

- Bug [2510](#) - compat-rdma build fails during install.pl – Vlad will work on RHEL 6.5
- Bug [2513](#) - rivers/net/ethernet/emulex/benet compilation fails on RHEL7.0

NFSoRDMA - Bug [2489](#) and Bug [2507](#)

- Vlad – NFSRDMA should be working properly for RHEL 7 and SLES 12 using OFED 3.18
- Rupert suggested that we should ask UNH-IOL to test NFSoRDMA using 3.18 and she is these bugs have been resolved. If they have then we will note them as Known Issues in 3.12-1.
- Pradeep feels this is a reasonable approach for NFSoRDMA

Perftest - Bug [2492](#)

- This is a perftest enhancement – Steve Wise has someone who started and then left. It is still a low priority but Chelsio wants it in 3.18 and he will get it done.

RDS – Bug [2502](#)

- **Stan** has been working with Oracle to get it to a functional state. **Chien** noted that we have been working with Stan in preparing Oracle RDS for upstream submission since September. We are stuck in getting git history of RDS patches prior to 2012.
- We are hoping we could retrieve some history from Mellanox OFED 1.5.5.

ocrdma - Bug 2513

- rivers/net/ethernet/emulex/benet compilation fails on RHEL7.0
- Emulex needs to complete the backports for OFED 3.18

OFA Interop Debug Event Status

IB and iWARP - Glenn

- Still doing testing since the Interop Debug event ended.
- iWARP has been completed and went well.
- IB is about 70% done and will be done within 1-2 weeks. There are a few issues that he has not be able to pinpoint. – He will prepare reports.
- Bob – the issues are small things that need input from the vendors. They are trying to decide if it is OFED, the device or something else they are missing. Trying to make sure not just hardware issues.
- **Rupert**: OFED 3.12-1 RC4 – the only change has been the updates to Xeon Phi support and the QIB drivers.

RoCE Updates

- **Dave**: Still using Mellanox OFED and OFED 3.18 to get both IBM and Mellanox RoCE devices to work together.

- **Rupert:** unfortunately OFED 3.12-1 is not going to work for all the RoCE devices. So I am suggesting the following strategy for the RoCE December OFA Logo GA Event
 - Do not use OFED 3.12-1 GA on Mellanox and IBM products
 - Use OFED 3.18 on IBM and one set of Mellanox cards
 - Use Mellanox OFED on the other set of Mellanox cards
 - Ask Emulex to get their drivers updated for 3.18 and see if they have any problems with 3.18. If not we can use 3.18 for the Emulex RoCE cards as well. It is acceptable to fall back to OFED 3.12-1 GA for Emulex.
 - Make sure we include documentation about what we did and why when the Logo Reports are issued.
- **Pradeep:** aggress with my proposal – IBM can't go back to 3.12-1.
- **Bob:** no objection and wants to show compatibility and Interop with other devices. 3.18 on IBM is good. Is there a reason we should not try 3.12-1 with Emulex.
 - Pradeep – Emulex with 3.12-1 will not work with 3.18 on Mellanox
 - Logo has more meaning when we can test around GA.
- **Rupert:** we need to be prepared to use total 3.18 solution. Bob wants to test 3.12-1 with 3.18 IBM and 3.18 on Mellanox.
- **Dean:** really predicated on backports.

OFA Interop Logo GA Event Status

- Pradeep from Emulex
 - When is the OFA Interop Logo Event
 - It will start as soon as the OFED 3.12-1 GA has been released. We are hoping for 12/18/2014 which is two weeks after the release of RC4.
- Bob would like to aim for the week of 12/15 because of winter recess.
 - Rupert promises he will work with the EWG to get it released asap.
- Which versions of OFED do we use
 - OFED 3.12-1 GA for iWARP and IB
 - OFED 3.18 primarily on RoCE – see discussion above.

Open Issues

Pradeep

- 1) OFiWG is discussing compliance and interoperability testing for the new libfabric. There are many different protocols being proposed and Pradeep is concerned about creating non-interoperable islands of clusters and protocols.
- 2) See the OFiWG presentation on this topic
 - a) https://www.openfabrics.org/downloads/OFiWG/Compliance_interop_2014_1125.pptx

Next meeting will be on 12/16/2014

This will be the last call before Logo GA Event

Action Requests (ARs)

Emulex – Dean

12/2/2014

- 1) Please follow up on Bug 2513

IBM - Pradeep

5/6/2014

- 1) Pradeep has been trying to 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
 - a) Bob Noseworthy says they received paperwork on 10/7/2014.

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.

Software Forge – Rupert Dance

UNH-IOL

12/2/2014

- 1) Test OFED 3.18 and see if it has resolved the NFSRDMA issues

9/23/2014

- 1) Test the patch for Bug [2494](#) against RC2 – done 10/2/2014
- 2) Test –R option to perfect and submit suggested updates for test plan – Glenn will do –R and -z
- 3) Provide color key for Test Results Key – trivial may wait until after Plugfest

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.

8/26/2014

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