# OFA IWG Meeting – 12/16/2014

| First | Last | Company | 09/23/14 | 10/07/14 | 12/02/14 | 12/16/14 |
|-------|------|---------|----------|----------|----------|----------|
| Bob | Dugan | Chelsio | | | | |
| Martin | Schlining | DataDirect Networks | 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 | X |
| Rupert | Dance | Software Forge | X | X | X | X |
| Glenn | Martin | UNH-IOL | | X | X | X |
| Bob | Noseworthy | UNH-IOL | | X | X | |
| Stefan | Oesterreich | UNH-IOL | | | | 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 – **RC4** released on 12/4/2014
    - https://www.openfabrics.org/downloads/OFED/ofed-3.12-1/OFED-3.12-1-rc4.tgz
  - OFED 3.12-1 GA release
    - Goal is end of this week – December 19th
  - OFED 3.18 Daily Build – latest is 12/16/2014
    - https://www.openfabrics.org/downloads/OFED/ofed-3.18-daily/OFED-3.18-20141216-0603.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 Logo GA Event Status
  - OFED 3.12-1 GA for iWARP and IB
  - OFED 3.18 primarily on RoCE
  - Frozen software, firmware and hardware.
- **Opens**

<mark>Start of Meeting</mark>
<span style="color:blue">OFED Status</span>
**OFED 3.12-1 RC4 testing**
1) Jess from Intel says that testing is going on and no problems yet.
2) Dean – have been testing both 3.12-1 and 3.18 and no issues
3) Pradeep from IBM – has not had a chance.
4) UNH-IOL
   a) Glenn – currently no OFED issues but working on some vendor issues.
   b) Dave – Rupert knows about issues but no known OFED issues

**OFED 3.18 Status**

**OFA EWG**
- Support for RHEL 7.0 and SLES 12 is already in place
- Planned support for RHEL 6.5 and 6.6 and SLES 11 SP3

**Emulex**
- Dean says that Emulex has sent all the updates needed to support 3.18
- They are working on backport modules for older versions

**Interop Test Logo GA Event Status**
1) This is a reminder that for the Logo GA event software, firmware and hardware must be frozen
2) iWARP and IB
   a) Glenn says iWARP is all set with OFED 3.12-1 and testing can start at anytime
   b) IB seems stable but Glenn is working on a few final vendor issues.
   c) Jess is OK and has verified that the intel switch has the correct firmware - X.xt3.7.3.0.0.15
3) RoCE
   a) Dave feels they will need a few more days to get things stable – he hopes to be ready by January 5$^{th}$
   b) Dean and Pradeep both feel more time is good.
   c) Pradeep if we upgrade the IBM systems to OFED-3.18 they will work with Mellanox adapters. Thus we are left with 2 islands.
      i) IBM <-> Emulex (OFED-3.12-1)
      ii) IBM <-> Mellanox (OFED-3.18)

**What versions should we use with RoCE:**
1) During the Interop Debug event the goal was to use 3.12-1 for all transports. However for RoCE we had to use OFED 3.18 for IBM and Mellanox because of PPC64 issues and RoCEv2 issues respectively. We also had a host with a Mellanox RoCE card and we used Mellanox OFED with routable adapters. Most of tests did not work with 3.12-1 because the required features are upstream in 3.18
2) We picked up 3.18 to use with IBM. IBM and Mellanox OFED all worked.
3) Pradeep thinks IBM and Emulex might work with 3.12-1
4) How do we avoid islands?

**Dean**
Vlad closed the bug and so he thinks Emulex issues with 3.18 have been resolved.

**Dave**
1) Test the latest 3.18 daily build
2) Include 3.18 on Mellanox Adapters
3) Pradeep agrees because it worked at Interop Debug.

**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 – likely WONTFIX
- Bug 2507 – Kernel panic NFSoRDMA

## OFED 3.18 Bug Status

- Bug 2510 - compat-rdma build fails during install.pl – Vlad will work on support for RHEL 6.5
- Bug 2514 - NFSRDMA - svcrdma not present in OFED-3.18 daily build


**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 see if 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 perfest 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.

## Action Requests (ARs)

**Emulex – Dean**

**12/2/2014**

1) Please follow up on Bug 2513 – Emulex updated the necessary patches and this was fixed in OFED-3.18-20141208-0405


**IBM - Pradeep**

**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**

**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.


**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 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.