

## OFA EWG Meeting – 1/5/2015

### Attendees

First	Last	Company	11/24/14	12/08/14	12/22/14	01/05/15
Eddie	Wai	Broadcom	X	X		X
Steve	Wise	Chelsio		X	X	
Pradeep	Kankipati	Emulex	X	X	X	X
Pradeep	Satyanarayana	IBM	X	X		
Arlin	Davis	Intel	X			
Tom	Elken	Intel	X	X	X	
Tatyana	Nikolova	Intel		X	X	X
Robert	Woodruff	Intel		X		X
Vladimir	Sokolovsky	Mellanox	X	X	X	X
Jeff	Becker	NASA				X
Rupert	Dance	Software Forge	X	X	X	X
John	Jolly	SUSE	X			

### OFED 3.12-1 status

- **OFED 3.12-1-RC4** - Released 12/04/2014
  - <https://www.openfabrics.org/downloads/OFED/ofed-3.12-1/OFED-3.12-1-rc4.tgz>
- **OFED 3.12-1-GA**
  - Scheduled release after resolution of Bug [2515](#)
- **OED 3.18** – latest daily build 12/31/2014
  - <https://www.openfabrics.org/downloads/OFED/ofed-3.18-daily/OFED-3.18-20141231-0528.tgz>
  - Supported OSs
    - RHEL 7.0 – supported for all packages
    - SLES 12 - supported for all packages
  - RHEL 6.5 and 6.6 – backport status
    - **ib\_core, ib\_ipoib and mlx4/5 – completed**
    - Still need backports for libcxgb3, libcxgb3, libocrdma, qib and srp
    - To install, run:
      - # ./install.pl --all --without-cxgb3 --without-cxgb4 --without-ipath\_inf --without-qib --without-iser --without-srp --without-ocrdma --without-be2net --without-cxgb3i --without-cxgb4i --without-rds
  - Plans for additional OSs
    - SLES 11 SP3
    - RHEL 7.1
- **OFED Bug List**
  - <https://ofa.causewaynow.com/wg/EWG/documentRevision/download/404>
- **OFED 3.12-1 Bug Status**
  - Bug [2489](#) – NFSoRDMA – need to test using OFED 3.18
  - Bug [2515](#) - Link fails between Mellanox ConnectX3 HCA and Intel products
    - Debug in process at the OFA Cluster at UNH-IOL
- **OFED 3.18 Bug Status**
  - Bug [2492](#) – Perfest - enhancement
  - Bug [2502](#) – RDS – under consideration at Oracle
  - Bug [2507](#) – Kernel panic NFSRDMA – need to test using OFED 3.18
  - Bug [2510](#) - compat-rdma build fails during install.pl – RHEL 6.5 is not supported yet
    - Core support has been provided but we need backports from Chelsio, Emulex, Intel
  - Bug [2514](#) – NFSRDMA - svcrdma not present in OFED-3.18 daily build
    - Are we just waiting for Jeff or is there anything else EWG needs to do?
  - Bug [2516](#) - mlx4\_core unable to load on PPC64

- Vlad has resolved this issue in the latest 3.18 daily build
- **OFA IWG Interop testing status**
  - Waiting for OFED 3.12-1 GA

## Start of Meeting

### OFED 3.18 Status as of 1/5/2015

#### Status of enabling support in RHEL 6.5/6.6

- 1) **Vlad:** ib\_core, ib\_ipoib and mlx4/5 have been completed. None of the backports for 6.5/6.6 have been provided and so you still need to disable everything noted in the agenda above.
- 2) **Steve:** he will have the Chelsio components done by end of week
- 3) **Pradeep:** he also committed to having the Emulex part done by end of week
- 4) **Intel:** Tom was not available for an update on Intel qib.

#### NFSoRDMA Status:

- 1) **Vlad:** and also NFSoRDMA should be disabled. He fixed Client/Server
- 2) **Jeff:** it was not enabled but now that it is enabled it fails on RHEL 7 and SLES 12. Jeff will work on this.
- 3) **Vlad:** not working for any Distros

#### Other Issues

- 1) **Vlad:**
  - a) He has added support for SLES 11 SP3
  - b) Next on his list is support for iSER and SRP
- 2) **Tatyana:**
  - a) She has submitted the work she did at the Interop Debug event on the iWARP port mapper and thinks it is OK. She has submitted fixes for things she knows about.
  - b) There may be issues with backports and drivers.
  - c) Rupert agreed to do some testing and validation using 3.18 after we complete the OFA Logo Event
  - d) She and Steve Wise have provided backports for RHEL 7.0
- 3) **Woody:** currently Xeon Phi not ready for 3.18 but e feels it is working well in 3.12-1.

## Bug Status

### OFED 3.12-1 Bug Status

- 1) Bug [2489](#) – NFSoRDMA – need to test using OFED 3.18
  - a) We are expecting the 3.18 kernel to resolve these issues but we are currently waiting for OFED 3.18 NFSRDMA issues to be resolved before we can test.
- 2) Bug [2515](#) - Link fails between Mellanox ConnectX3 HCA and Intel products
  - a) Vlad also tested and was able to reproduce this issue. What he found is that after reboot, if you start the OpenSM on Mellanox side, the link would go active. But if you start the OpenSM on the Intel host, then the link stays in initialize. ConnectX3 does not get mad from Intel.
  - b) Both Software Forge and UNH-IOL have discovered this problem. UNH-IOL is doing additional debug work on the OFA Cluster to provide clear steps to reproduce.
  - c) Conclusion is that we should wait for info from Mellanox

### OFED 3.18 Bug Status

- 1) Bug [2492](#) – Perfest – enhancement – Steve Wise will provide these enhancements when he has time.
- 2) Bug [2502](#) – RDS – under consideration at Oracle.
- 3) Bug [2507](#) – Kernel panic NFSRDMA – need to test using OFED 3.18
  - a) Jeff Becker is currently working on this problem.

- 4) Bug [2510](#) - compat-rdma build fails during install.pl – RHEL 6.5 is not supported yet
  - a) **Resolved:** Core support has been provided but we need backports from Chelsio, Emulex, Intel
- 5) Bug [2514](#) – NFSRDMA - svcrdma not present in OFED-3.18 daily build
  - a) Are we just waiting for Jeff or is there anything else EWG needs to do?
  - b) Vlad has made a few updates to support NFSoRDMA but the fix must be completed by Jeff Becker.
- 6) Bug [2516](#) - mlx4\_core unable to load on PPC64
  - a) The issue was that the in-box mlx4\_core kernel module is included in the initramfs image and being loaded from there before openibd start occurs.
  - b) **Vlad** has **resolved** this issue and the openibd restart was fixed in OFED-3.18-20141231-0528.
  - c) **Vlad:** added check in openibd. When it starts, it checks to see if mlx4\_core already loaded. If it is running, then openibd stops mlx4\_core and restarts it with openibd.

### OFED 3.12-1 GA status

We all agreed that we need to wait until we fix Bug [2515](#)

### Opens

- 1) Eddie Wai (Broadcom) – do RoCE adapters have to work in multiple systems. For example do we have to provide support for IBM PPC64 Platform?
  - a) A vendor is expected to indicate the hardware architecture and operating system supported by their products. So it is OK to say that a product only works on Intel x86 platforms and only supports Linux and not windows for example. But we do expect a RoCE system solution to Interoperate with other platforms running the same RoCE protocol such as RoCEv2 for example.

### ARs

**Chelsio – Steve Wise**

9/15/2014

- 1) Send patch for Bug [2492](#) upstream to the perftest maintainer and ask them to check out and accept the patch – **in process**

### Rupert

### UNH-IOL

12/22/2014

- 1) Test NFSoRDMA using OFED 3.18 to see if NFSoRDMA bugs have been resolved. On hold until NFSoRDMA is fixed in 3.18 – see notes and bugs above.