

## OFA EWG Meeting – 2/17/2014

### Attendees

First	Last	Company	01/06/14	01/20/14	02/03/14	02/17/14
Steve	Wise	Chelsio				X
Pradeep	Kankipati	Emulex		X	X	-
Pradeep	Satyanarayana	IBM	X	X	X	X
Bart	Van Assche	Fusion-io		X	X	X
Tom	Elken	Intel	X	X	X	-
Tatyana	Nikolova	Intel	X	X	X	-
Robert	Woodruff	Intel	X	X	X	-
Vladimir	Sokolovsky	Mellanox		X	X	-
Mani	Subramaniyan	PLX			X	-
Bill	Snapko	SGI			X	-
Rupert	Dance	Software Forge	X	X	X	X
John	Jolly	SUSE	X	X		-

**Note:** Monday 2/17/2014 was Presidents day in the USA so many people were not available. Also Vlad was out sick but submitted an update which is located below.

### OFED status

- OFED 3.5-2 GA released: <http://www.openfabrics.org/downloads/OFED/ofed-3.5-2/OFED-3.5-2.tgz>
- OFED 3.12 – Daily Build: <http://www.openfabrics.org/downloads/OFED/ofed-3.12-daily/OFED-3.12-20140217-0529.tgz>
- OFED 3.12 Status: <https://ofa.causewaynow.com/wg/EWG/documentRevision/download/252>
- Maintainers List: <http://www.openfabrics.org/downloads/MAINTAINERS>
- Build Process document: <https://ofa.causewaynow.com/wg/EWG/document/203>

### OFED 3.12 – report from Vlad

#### Critical issues (blocking rc1):

1. **OCRDMA** – missing backports for RHEL6.5 and SLES11 SP3
2. **NFSRDMA** – missing backports for SLES11 SP3
3. **Libnes-1.1.4** – configure script is missing in the tarball so, cannot build source RPM. Need to run `./autogen.sh` and `./configure` before creating the tarball.
  - Currently using libnes-1.1.3

**Note:** libibverbs, libmlx4 – is pending release. Currently I am taking the code directly from Roland's git trees. It is good enough for now.

The latest build: OFED-3.12-20140217-0529

#### To Build and Install because of the issues noted above

To install on SLES11 SP3:

```
# ./install.pl --all --without-ocrdma --without-nfsrdma
```

To install on RHEL6.5:

```
# ./install.pl --all --without-ocrdma
```

## Updated/new packages (vs. OFED-3.5-2):

- dapl-2.0.40
- ibsim-0.6
- infiniband-diags-1.6.4
- infinipath-psm-3.2-2\_ga8c3e3e\_open
- libcxgb4-1.3.1
- libibmad-1.3.11
- libibumad-1.3.9
- libibverbs
- libipathverbs-1.2.1
- libmlx4
- libmlx5-1.0.1
- libocrdma-1.0.1
- librdmacm-1.0.18
- mstflint-3.5.0
- opensm-3.3.17
- perfctest-2.0-0.76.gbf9a463
- srptools-1.0.1

**Final note:** OFED-3.12-20140217-0529 includes a workaround for an issue with mlx4

Vlad pulled libmlx4 and libibverbs directly from Roland's git but there is an issue with versioning in libibverbs. Roland added commit to libmlx4 that requires libibverbs-1.1.8 but the version of libibverbs left 1.1.7 although all required commits are included in libibverbs. So, I added a workaround to the install.pl to skip dependency check for libmlx4.

## Open Issues

### Bug [2449](#) - Pradeep

- 1) This is the bug that causes a crash on PPC64. One of the emails mentioned that NFSoRDMA is not supported on RoCE. To his knowledge this is not true because IBM has been testing RoCE for some time and there is no reason not to include NFSoRDMA on RoCE.
- 2) He has done a lot of work and though he was fairly close but not yet there. He has put in a lot of debug code but at this point he is not sure how to proceed and wants some help.
- 3) **Rupert** asks if we test IB in a PPC64 to see if the same problem exists with IB transport as well as RoCE.
  - a) **Pradeep:** Mellanox adapter will work but it will need different firmware
- 4) IBM is driven by what the customers use. NFSoRDMA is not used much by customers at this point but he has put a lot of effort into this at the request of the other members in the OpenFabrics Interoperability Logo Group (**OFILG**).
- 5) **AR:** Pradeep will try to get FW and adapter model to test IB
- 6) **AR:** Rupert setup meeting between all the players – we are not making progress!

### **Chelsio status - Steve Wise**

- 1) He will look at critical bugs and try to get them resolved for OFED 3.5-2 RC1
- 2) He has changes for libcxg4 will change but not libcxgb3. These changes will affect upstream as well
- 3) Chelsio has at least 7 fixes on the internal tree that are not in upstream yet and he will work on getting them committed.
- 4) Steve asked us not to hold RC1 for Chelsio in case he cannot make the deadline.

### **Bart**

- 1) He asked how far SRP testing has come.
  - a) **Rupert:** UNH-IOL has not begun because of the OFILG Logo testing in the last few weeks. Also most of the major players in OFA are waiting for RC1 before they begin testing. This is why Rupert has been pushing so hard.
- 2) Fusion-io is doing a lot of testing and they run both the SRP initiator and target. They have a new server package and they are using SRP tools package.
- 3) Bart has also asked RHEL to integrate latest SRP tools into their next release.
- 4) **AR:** Rupert: ask UNH-IOL, DDN & NetApp to test SRP in OFED 3.12

The group decided to make the RC1 deadline Friday 9:00 PM 2/21/2014

## ARs

### Pradeep from IBM

2/17/2014

- 1) Pradeep will try to get Mellanox FW and adapter model to test IB on NFSoRDMA

### Rupert

2/17/2014

- 1) Rupert setup meeting between all the players trying to solve Bug [2449](#) – NFSoRDMA crash on PPC64 – [done 2/18/2014](#)
- 2) Ask UNH-IOL, DDN & NetApp to test SRP in OFED 3.12 – [done 2/18/2014](#)
- 3) Follow up with all vendors who have products blocking the release of OFED 3.12 RC1 – [see above](#) - [done 2/18/2014](#)

2/3/2014

- 1) Update Build process document to include User space packages.

1/20/2014

- 1) MVAPICH2 should be included in the releases notes as tested with OFED

8/19/2013

- 1) Update the Bugzilla list of Maintainers using OFA Maintainers list because it is more accurate