**OFA EWG Meeting – 7/21/2014**

**Attendees**

| First | Last | Company | 06/09/14 | 06/23/14 | 07/07/14 | 07/21/14 |
|-------|------|---------|----------|----------|----------|----------|
| Steve | Wise | Chelsio | X | | X | X |
| Pradeep | Kankipati | Emulex | | X | X | X |
| Bart | Van Assche | Fusion-io | | | | |
| Arlin | Davis | Intel | | | | X |
| Tom | Elken | Intel | X | | X | X |
| Tatyana | Nikolova | Intel | | X | X | X |
| Robert | Woodruff | Intel | X | X | X | |
| Vladimir | Sokolovsky | Mellanox | X | X | X | X |
| Jeff | Becker | NASA | X | X | X | X |
| Rupert | Dance | Software Forge | X | X | | X |

**Note: The toll-free number in the United States and Canada is 1-888-875-9370.**

**Agenda**

**OFED 3.12 status**
- **OFED 3.12 GA: released 5/27/2014**
  - https://www.openfabrics.org/downloads/OFED/ofed-3.12/OFED-3.12.tgz
- **OFED 3.12-1 Daily Build 7/16/2014**
  - https://www.openfabrics.org/downloads/OFED/ofed-3.12-1-daily/OFED-3.12-1-20140716-0810.tgz
- **OFED 3.12-1 User Package Status**
  - https://ofa.causewaynow.com/wg/EWG/document/204
  - Status on libibverbs-1.1.8 and libmlx4-1.0.6
- **OFED 3.12-1 Bug Status**
  - https://ofa.causewaynow.com/wg/EWG/document/179
  - Bug 2475 – infinipath-psm
  - Bug 2492 – perftest enhancements
  - Bug 2494 - NFSRDMA
    - NFSRDMA fixes in 3.16 – also affects Bug 2449
  - Bug 2495 – is this really an OFED Bug
- **Intel MIC integration status**

**OFED 3.12-1**
- Planned updates
  - Intel OFED-MIC
  - NFS Bug Fixes
  - RHEL 7.0
  - Updated packages
- RC Schedule

**OFED 3.17** – next release

**Review**

**OFED 3.12-1 User Package Status -** https://ofa.causewaynow.com/wg/EWG/document/204
1) Status on libibverbs-1.1.8 and libmlx4-1.0.6
   a) These packages were not included in either OFED 3.12 or 3.12-1 because people had reported trouble with them. Roland has not responded. To request to update these packages. However Sean Hefty's new librdmacm package requires the updated libibverbs.
   b) **Rupert**: I think we should include the updated packages because we are still in daily builds and have time to test and fix.
   c) **Steve**: he feels we should pull in Roland's latest even if it is broken and we will figure out what needs to be fixed.
   d) **Arlin**: go ahead and do it.
   e) Vlad will build with all new stuff.
2) **Arlin**: There is a new DAPL update coming this week.
3) **Intel MIC**: Vlad has got response from the Intel team regarding OFED MIC and he is in middle of processing it and will send an update by end of week.
4) **Intel iWARP**: Tatyana says that there are no new updates
5) **Emulex:** Pradeep says libocrdma is good but they may have some patches in a week or so. The updates will be support for UD connection with IP GID addressing. May be in Emulex or stack. This should be done in 2 week.
6) **NFSRDMA –** Jeff Becker
   a) He is working on a version in his GIT tree which is on OFA – the patches are all for 3.12
   b) Backports tricky and he has a header file which he doesn't have access to. Tried against RHEL 6.5 and SLES 11 SP3. Issues are Linux 3.12 tree doesn't build and some of upstream patches are needed. He is also setting up CentOS 7 to see if changes are needed.
   c) Should we pull stuff for 3.12-1?
      i) **Vlad** says we should wait.
      ii) **Jeff** feels he should be able to solve in 2-4 weeks. Jeff will ask Vlad for help on some of the issues he is having.
      iii) **Jeff**: 3.12 has none of these changes. There are 25-30 patches he has pulled into his tree.
   d) Chuck Lever's work is already pulled into Jeff's tree. This is all the work that has already been accepted upstream in 3.16. Since then, Chuck has done more work and has updated patches.
      i) **Jeff**: when should I pull in the new work Chuck is doing?
      ii) **Steve**: wait for OFED 3.17 for things that are targeted for 3.17 Kernel.
      iii) **Pradeep**: if they are just bug fixes, he feels we can we pull them in. However he feels we should wait on new features and include them in OFED 3.17.


**OFED 3.12-1 Bug Status:** https://ofa.causewaynow.com/wg/EWG/document/179
1) Bug 2475 – infinipath-psm
   a) **Tom** – this should be fixed as part of general update to infinipath-psm for 3.12-1 – all patches will be in by August 15th.
   b) **Tom** – the qib package will also be updated.
2) Bug 2492 – perftest enhancements
   a) Gil responded to the requests in the bug on 7/21/2014.
   b) Steve says they would like support for multiple queue pairs for iWARP. Steve will try to implement but probably should not be included for 3.12-1. Steve will look at code and submit to Gil.
   c) There were five issues and some of the requests are already available by using flags.
   d) Veeresh is asking to have -b --bidirectional option for the latency tests just as we have in the bandwidth test.
   e) We decided should resolve what we can an then close out this bug and open a new one for any features that will need to wait until 3.17. We can open new bug for anything that does not get done.

3) Bug [2494](#) - NFSRDMA
   a) As discussed above, Jeff has pulled in 25-30 patches into his GIT tree and UNH-IOL has tested these fixes but 2494 is a new bug that was discovered.
   b) Jeff will try to backport all the patches that were accepted in 3.16 so they can be included in 3.12-1
4) Bug [2495](#) – Rupert: is this really an OFED Bug
   a) Vlad confirmed that this is related to Mellanox OFED – IPv6 issues.
   b) Rupert mentioned that the user downloaded the drivers from the HP site and HP says to submit bugs for Mellanox OFED to the OFA Bugzilla. This is the second one recently.
   c) Vlad will contact HP and have them update the link to point users to the Mellanox site.

## Intel MIC integration status
1) Tom says that he will make sure that all patches will be in by August 15$^{th}$.

## OFED 3.12-1
**1)** Planned updates
   a) Intel OFED-MIC
   b) NFS Bug Fixes
   c) RHEL 7.0
   d) Updated packages
2) RC Schedule
   a) We agreed on an 8/15/2014 deadline for getting all the packages and patches updated and submitted.
   b) RC1 will be available as soon as possible after August 15$^{th}$ 2014.

## ARs

## Pradeep from IBM
4/28/2014
1) Pradeep will try and get another PPC64 for the OFA Cluster at UNH-IOL because it will help with diagnosing issues that seem to be turning up with OFED running on Big Endian machines.

2/17/2014
1) Pradeep will try to get Mellanox FW and adapter model to test IB on NFSoRDMA

## Rupert