

## OFA EWG Meeting – 11/9/2015

### Attendees

First	Last	Company	09/28/15	10/12/15	10/26/15	11/09/15
Pradeep	Kankipati	Avago	X	X	X	
Chuong	Vuong	Avago			X	
Steve	Wise	Chelsio	X			X
Dwip	Banerjee	IBM	X		X	
David	Dai	IBM	X	X	X	
Paul	Bowden	Intel			X	
Tom	Elken	Intel	X		X	
Tatyana	Nikolova	Intel	X	X		
Jim	Ryan	Intel		X		
Robert	Woodruff	Intel	X	X	X	X
Vladimir	Sokolovsky	Mellanox		X	X	X
Rupert	Dance	Software Forge	X	X	X	X
John	Jolly	SUSE			X	
Dave	Wyman	UNH-IOL	X	X	X	

### Agenda

#### Meeting Minutes 10/26/2015:

- [https://www.openfabrics.org/downloads/WorkGroups/ewg/EWG\\_Minutes/2015-10-26-EWG-Meeting-Minutes.pdf](https://www.openfabrics.org/downloads/WorkGroups/ewg/EWG_Minutes/2015-10-26-EWG-Meeting-Minutes.pdf)

#### OFED 3.18-1 status

- **RC2 – 10/26/2015**
  - <https://www.openfabrics.org/downloads/OFED/ofed-3.18-1/OFED-3.18-1-rc2.tgz>
- **OFED User Package Status as of 11/09/2015 – updates since 10/26/2015 meeting**
  - [https://www.openfabrics.org/downloads/WorkGroups/ewg/OFED\\_User\\_Package\\_Status/OFED-User-Package-Status-2015-11-09.pdf](https://www.openfabrics.org/downloads/WorkGroups/ewg/OFED_User_Package_Status/OFED-User-Package-Status-2015-11-09.pdf)
  - libocrdma-1.0.6 – released 11/2/2015
  - perftest-3.0-0.12 – released 11/4/2015

#### OFED 3.18-1 Bug Status as of 11/09/2015

- [https://www.openfabrics.org/downloads/WorkGroups/ewg/OFED\\_Bugs/OFED-3.xx-Bug-Status-2015-11-09.pdf](https://www.openfabrics.org/downloads/WorkGroups/ewg/OFED_Bugs/OFED-3.xx-Bug-Status-2015-11-09.pdf) 2492 – **Chelsio** - perftest tools enhancement – **opened 6/17/2014**
- **2553** – **Intel** - Unable to run UD traffic using qperf – **opened 6/29/2015**
  - Assigned to Vinit from Intel who has confirmed issue and working on solution
  - Pradeep Kankipati from Avago is going to ask his team to look at this – 10/26/2015
- **2561** - **Mellanox** - IPoIB failure after arp cache flush – **opened 7/20/2015**
  - Assigned to [erezsh@mellanox.com](mailto:erezsh@mellanox.com) – no action in last month
  - This is also a problem in the current 4.3 kernel and is not easy to fix
- **2562** – **Mellanox** - ib\_write\_bw doesn't support events -Low priority
- **2574** – **Intel** - QIB makes SCIF does not work with xeon-phi
- **2579** – **Mellanox** - Incorrect location of autoconf.h
- **2580** – NFSoRDMA PPC64LE client crashes while trying to mount NFSoRDMA server running on x86 box

## Start of the meeting

### OFED 3.18-1 Bug Status as of 11/09/2015

- [https://www.openfabrics.org/downloads/WorkGroups/ewg/OFED\\_Bugs/OFED-3.xx-Bug-Status-2015-11-09.pdf](https://www.openfabrics.org/downloads/WorkGroups/ewg/OFED_Bugs/OFED-3.xx-Bug-Status-2015-11-09.pdf)
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  - **Woody**: won't hold up release.
- **2561** - **Mellanox** - IPoIB failure after arp cache flush – opened 7/20/2015
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- **2562** – **Mellanox** - ib\_write\_bw doesn't support events
  - **Low priority**
- **2574** – **Intel** - QIB makes SCIF does not work with Xeon-phi
  - **Woody**: he thinks it is fixed in RC2 – he sent email
- **2579** – **Mellanox** - Incorrect location of autoconf.h
  - **Vlad**: issue with external kernel modules. So there was no issue with autoconf.
  - **Woody**: How big a change is Bug 2579 (autoconf) – do we need RC3.
  - **Vlad** – only relevant for external modules so there is no need to hold up 3.18-1
- **2580** – NFSoRDMA PPC64LE client crashes while trying to mount NFSoRDMA server running on x86 box
  - **Jeff Becker**: he has no access to ppc64 Client with RHEL 7.1 and x86 Scientific7.0 server.
  - **Rupert**: has contacted UNH-IOL and will arrange for access to the IBM machines
  - Jeff wants to involve Chuck Lever. He will be at SC15 next week so he needs to get onto this right away. Delta between 3.18-1 and top of NFSRDMA tree is quite large.
  - **Woody**: List this as a known issue and do not hold up the release of OFED 3.18-1 GA

### Conclusion regarding OFED 3.18-1 release:

- If we can resolve Bug 2580 NFSRDMA by the end of 11/20-2015 then we should do RC3 before we do OFED 3.18-1 GA. Otherwise list it as a known issue and release 3.18-1 GA
- 3.18-2 target could be end of year. Woody has heard that SLES12 SP1 has very few changes that will affect OFED 3.18-2 but he does not know about RHEL 6.8 or 7.2

### Woody: What's next for OFED?

- 1) There is a lot of activity and there are many big things to review. There are many things in process that won't make 4.4. For example Extended Verbs and Omni Path
- 2) RoCE v2 – **Vlad** says it has not been accepted yet and will not be in 4.4. Doug Ledford is reviewing it for 4.5
- 3) Plans for OFED
  - a) Release 3.18-1 GA
  - b) Then create 3.18-2 to pick up new versions of the Distros. For example
    - i) RHEL7.2 has a GA date of 11/19/2015
    - ii) SLES 12 SP1 was released on 11/18/2015
- 4) **Woody**: every time we move to a big kernel, it is a big effort. We should wait for kernel to get stable

- 5) **Vlad**: it is a lot of effort to add backports for a kernel which will not be used. 4.5 is much better than 4.3. He will not have time to do backports for 4.3 or 4.4. The 4.4 Merge window will close next Sunday. 4.5 there is some opportunity to get things resolved.
- 6) **Woody**: he should wait for 4.5
- 7) **Steve**: he has a lot of changes for cxgb4 that is in 4.4 – he would like 4.3 or 4.4. But there is a lot of iSER work in 4.5 and so he is willing to wait. Merge window for 4.5 will be end of January. Should enable new Distros in 3.18-2
- 8) **Woody and Rupert** agree that 4.5 should be a strong priority but not cast in stone. Tell community we need to move on and 4.5 will be it.

## ARs

### Chelsio – Steve Wise

9/15/2014

- 1) Send patch for Bug [2492](#) upstream to the perftest maintainer – **in process**

### Avago – Pradeep

10/26/2015

- 1) Check with your tem and see if they can help to resolve Bug [2553](#) – Unable to run UD traffic using qperf on RoCE

### Intel –IB

7/6/2015

- 1) [2553](#) - Unable to run UD traffic using qperf - **Tom** to follow up
  - a) **Pradeep**: Avago has shared all info with Intel (issue, repro details and root cause) and they have been able to reproduce it. **No action pending from our side - 10/20/2015**
- 2) **Rupert** has given access to RoCE servers at Software Forge - **Assigned to Vinit from Intel on 9/9/2015**

### Mellanox – Vlad

10/12/2015

- 1) libibverbs-1.2.0 – Contact Doug and explain the problems
  - a) **Woody** says this could require kernel changes for support and may need MLX changes
  - b) **Vlad** will check and verify. May need 4.3 - new features will not be available without new kernel.

8/3/2015

- 1) Talk to Eli and others about Bug [2561](#) – IPoIB
- 2) Work with Gill to resolve [2562](#) – ib\_write\_bw doesn't support events

### SFI – Rupert

10/26/2015

- 1) Review and updated known issues in the OFED Release notes

10/12/2015

- 1) Contact Doug and explain the problems with libibverbs-1.2.0 – **emailed on 10/18/2015**

8/4/2015

- 1) We need to add a note in add note in 3.18-1 that ipath and eHCA will be deprecated in OFED 4.3