

## OFA EWG Meeting – 2/16/2015

### Attendees

First	Last	Company	01/05/15	01/19/15	02/02/15	02/16/15
Eddie	Wai	Broadcom	X	X	X	X
Steve	Wise	Chelsio		X	X	
Pradeep	Kankipati	Emulex	X		X	X
Devesh	Sharma	Emulex			X	
Tom	Elken	Intel			X	
Tatyana	Nikolova	Intel	X	X	X	
Jim	Ryan	Intel			X	
Robert	Woodruff	Intel	X	X	X	
Vladimir	Sokolovsky	Mellanox	X	X		X
Jeff	Becker	NASA	X		X	
Rupert	Dance	Software Forge	X	X	X	X

### Meeting Minutes

- 02/02/2015: <https://ofa.causewaynow.com/wg/EWG/documentRevision/download/426>

### OFED 3.18 status

- OFED 3.18** – latest daily build 02/12//2015
  - <https://www.openfabrics.org/downloads/OFED/ofed-3.18-daily/OFED-3.18-20150212-0344.tgz>
  - Supported OSs
    - RHEL 7.0 – supported for all packages
    - RHEL 6.5 and 6.6
    - SLES 12 - supported for all packages
    - SLES 11 SP3
  - Backports needed for RHEL 6.x
    - qib and Xeon Phi
    - Vendor status
  - Plans for additional OSs
    - RHEL 7.1
  - Inclusion of libfabric package – optional or install by default?
- OFED User Package Status**
  - <https://ofa.causewaynow.com/wg/EWG/documentRevision/download/425>
- OFED Bug List**
  - <https://ofa.causewaynow.com/wg/EWG/documentRevision/download/424>
- OFED 3.12-1 Bug Status**
  - Bug [2489](#) – NFSoRDMA – need to test using OFED 3.18
    - Jeff - status
  - Bug [2520](#) - System crash under iSCSI heavy load in Xen/Dom0.
    - Please remind Sagi Grimberg
- OFED 3.18 Bug Status - review**
  - Bug [2492](#) - perfest tools enhancement
    - Change to WONTFIX??
  - Bug [2502](#) - rds\_rdma module does not load
    - Change to WONTFIX??
  - Bug [2507](#) – Kernel Panic while parallel mount/unmount test.
    - Jeff - status
  - Bug [2519](#) - Modernize compat-rdma spec file – in process
    - Time to close out?
- OFED 3.18**

- What are the blockers for RC1?
  - Backports
  - Vendor support for all OSES
- **RoCE v2**
  - Working to get this including in 3.20
  - Emulex can this be backported to 3.18?
- **Open items**

## Start of Meeting

### OFED 3.18 Review of Vendor Status

- 1) **Supported OSs**
  - a) RHEL 7.0 – supported for all packages
  - b) RHEL 6.5 and 6.6 – still waiting for some backports
  - c) SLES 12 - supported for all packages
  - d) SLES 11 SP3 - SRP iSER and Mellanox core
  - e) RHEL 7.1 – this is a possibility depending on the timing of the 7/1 release.
- 2) **Chelsio**
  - a) RHEL 7.0 – supported for all packages
  - b) RHEL 6.5 and 6.6
  - c) SLES 12 - supported for all packages
  - d) SLES 11 SP3 supported
  - e) Steve has incorporated critical bug fixes that were upstream
- 3) **Emulex - Pradeep**
  - a) RHEL 7.0 – support for all packages
  - b) RHEL 6.5 and 6.6 – support has been completed
  - c) SLES 12 - support for all packages
  - d) SLES 11 SP3 – he thinks support for SLES11 has been completed when they did RHEL 6.5
- 4) **Intel IB**
  - a) RHEL 7.0 is all set
  - b) During the 2/2/2015 meeting, Tom said they expected to have support for RHEL 6.x within 2 weeks.
  - c) SLES – this will be further out – he has not checked recently
- 5) **Intel iWARP**
  - a) The iWARP Port Mapper application seems to be working well
  - b) They have tested with RHEL 7.0 but she is not aware of the status with 6.5 and 6.6.
  - c) After this they will tackle SLES
- 6) **Intel Xeon Phi** – report by email from Woody
  - a) Xeon Phi CCL patches to support Mellanox HCA are now complete and under test and testing on RHEL EL 7 is done. We still need to regression test them on the other Distro versions, SLES 12, RHEL EL 6.5, 6.6 and SLES 11 SP 3. So good progress, but not completely done, but hopefully should not be too much longer.
  - b) Also, I spoke with Sean Hefty and he is planning on releasing OFI libfabric RC2 this weekend and he will send the install.pl patches and request to pull it into OFED-3.18 once OFI RC2 is out.
  - c) **Vlad:** he will check with internally to make sure there are no issues with including libfabric.

### Status updates for other packages in OFED 3.18

- 1) **RoCE**
  - a) **Pradeep** wanted to know the status of RoCE UDP and whether 3.18 will support
  - b) **Vlad** – RoCE v2 added new features and code. So it will be problematic to backport. So it is likely that it can only be supported in 3.20. He will check and see if possible to backport.

- c) **Pradeep**: if it requires a lot of effort to support in 3.18 then Emulex will have to move in that direction. If it is only a backport then he would do it.
  - d) **AR: Rupert**: when should we start working on 3.20?
  - e) **Vlad** says this will be a better approach.
- 2) **SRP**
    - a) Bart Van Assche released SRP 1.0.3 – OFED-3.18-20150212-0344.tgz has got this included.
    - b) **Vlad**: SRP is done for both kernel and user packages.
  - 3) **NFSv4.1**
    - a) AR: Rupert –contact Jeff Becker about Bug 2507

### OFED 3.18 RC1 status - Woody

- 1) RC1: all component features and backports for hardware should be there. Companies wait until there is an RC before they begin testing so we must have all hardware backports.
- 2) On 2/2/2014 Woody said that the Intel team will need about one month.
  - a) RHEL 7 in 2 weeks
  - b) SLES 11 SP3
- 3) Could get things out in this quarter. Earliest would be end of Q1 and latest 2-3 months later.

### OFED Bug Status

- 1) Bug [2502](#) - rds\_rdma module does not load
  - a) Change to WONTFIX??
  - b) Oracle has confirmed that there will be no updates to RDS in the near future so we agreed to mark this as WONTFIX.
- 2) Bug [2519](#) - Modernize compat-rdma spec file – in process
  - a) We voted to wait to close out because Vlad said he may want to add more updates.
- 3) Bug [2520](#) - System crash under iSCSI heavy load in Xen/Dom0.
  - a) Vlad provided the current maintainer and Rupert updated Bugzilla. Vlad will check with Sagi and ask him to look at this. Even though this was based on CentOS 5.0, the customer used Kernel 3.10 so this bug may be relevant.

### Opens

Eddie from Broadcom wanted to know the projected time frame for OFED 3.20

- 1) Vlad confirmed that kernel 3.20 RC1 will be ready in 2 weeks and after this he can start working on putting OFED 3.20 together. So it could be the end of March for the first daily build.
- 2) Rupert reviewed the timeline for OFED 3.18 and it has taken over 4 months to move from the daily build to be close to the first RC. The GA is likely to be another 1-2 months.
- 3) Eddie says that Broadcom may not be ready but they will try.

## **ARs**

### **Chelsio – Steve Wise**

9/15/2014

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

### **Emulex**

- 1) Need OFED 3.18 backports for RHEL 6.5 and 6.6 as well as for SLES SP3
- 2) Check out bug [2518](#) which still seems to be a problem with Emulex RCAs – **resolved and verified 2/5/2015**

### **Intel**

- 1) **QIB**: Need OFED 3.18 backports to support RHEL 6.5 and 6.6 as well as for SLES SP3
- 2) **Intel MIC**: Need OFED 3.18 backports to support RHEL 6.5 and 6.6 as well as for SLES SP3

### **Rupert**

**2/16/2015**

- 1) When should we start working on OFED 3.20?
- 2) Contact Jeff Becker about Bug 2507
- 3) Close bug 2502 – **done 2/16/2015**

### **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.