

OFA EWG Meeting – 2/2/2015

Attendees

First	Last	Company	12/22/14	01/05/15	01/19/15	02/02/15
Eddie	Wai	Broadcom		X	X	X
Steve	Wise	Chelsio	X		X	X
Pradeep	Kankipati	Emulex	X	X		X
Devesh	Sharma	Emulex				X
Pradeep	Satyanarayana	IBM				
Tom	Elken	Intel	X			X
Tatyana	Nikolova	Intel	X	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

- 01/19/2015: <https://ofa.causewaynow.com/wg/EWG/documentRevision/download/413>

OFED status

- **OFED 3.12-1 GA** - Released 1/22/2015
 - <https://www.openfabrics.org/downloads/OFED/ofed-3.12-1/OFED-3.12-1.tgz>
- **OFED 3.18** – latest daily build 01/18//2015
 - <https://www.openfabrics.org/downloads/OFED/ofed-3.18-daily/OFED-3.18-20150118-0545.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
 - libocrdma, qib and srp?
 - Plans for additional OSs
 - RHEL 7.1
- **OFED User Package Status**
 - <https://ofa.causewaynow.com/wg/EWG/documentRevision/download/418>
- **OFED Bug List**
 - <https://ofa.causewaynow.com/wg/EWG/documentRevision/download/417>
- **OFED 3.12-1 Bug Status**
 - Bug [2489](#) – NFSoRDMA – need to test using OFED 3.18
 - Bug [2520](#) - System crash under iSCSI heavy load in Xen/Dom0.
 - Filed on CentOS 5.0
 - Assigned to dorons@voltaire.com
- **OFED 3.18 Bug Status - review**
 - Bug [2507](#) – Kernel panic NFSRDMA – need to test using OFED 3.18
 - Bug [2514](#) – NFSRDMA - svcrdma not present in OFED-3.18 daily build
 - Jeff has done an update – need to verify OFED-3.18-20150118-0545.tgz
 - Bug [2518](#) – ib_qib cannot be loaded on RHEL7.0
 - Solved for hosts with Intel and Mellanox
 - Broken with Emulex
 - Bug [2519](#) - Modernize compat-rdma spec file – in process
 - Bug [2521](#) - rdma_cm and rdma_ucm do not start due to QIB_LOAD error

- Related to bug 2518
- **OFED 3.18**
 - What are the blockers for RC1?
 - Backports
 - NFSoRDMA
 - ??
- **OFA IWG Interop testing status**
 - Testing has begun with OFED 3.12-1 GA

Start of Meeting

OFED 3.18 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
- 2) Plans for additional OSs
 - a) RHEL 7.1
- 3) **Chelsio** - Steve
 - a) Supported OSs
 - i) RHEL 7.0 – supported for all packages
 - ii) RHEL 6.5 and 6.6
 - iii) SLES 12 - supported for all packages
 - iv) SLES 11 SP3
 - b) Pull in critical bug fixes upstream
- 4) **Emulex** - Pradeep
 - a) RHEL 7.0 – supported for all packages
 - b) SLES 12 - supported for all packages
 - c) RHEL 6.5 and 6.6 – there is still some work to do
 - d) SLES 11 SP3
- 5) **Intel IB** - Tom Elken
 - a) RHEL 7.0 is all set
 - b) RHEL 6.x within 2 weeks. Started work on qib and asked for estimate – work started and waiting for review from Mike Marciszyn.
 - c) SLES – this will be further out – he has not checked recently
- 6) **Intel iWARP** - Tatyana
 - a) The iWARP Port Mapper application seems to be working well
 - b) Rupert reported that the dependency with libnl is showing up during OFED 3.18 installation and is resolved via YUM.
 - c) Testing with RHEL 7.0 and not aware of the status with 6.5 and 6.6. After this they will tackle SLES
- 7) **Intel Xeon Phi** - Woody
 - a) Xeon Phi – Phil has patches developed but still has to test. Good progress but still a couple of weeks out.

Status updates for other packages in OFED 3.18

- 1) **RoCE**
 - a) Pradeep wants to know the status of RoCE UDP and whether 3.18 will support
 - b) Rupert will follow up with Vlad to determine the status of RoCE v2 what is the status
 - c) Woody – if not in base kernel then may have to wait until upstream. If there are a few patches in newer kernels, we could pull back.

- 2) **SRP**
 - a) Woody: SRP is one of things Vlad does – AR
- 3) **NFSoRDMA** – Jeff Becker
 - a) He pulled the latest daily build which was OFED 3.18 from 1/18/2015
 - b) Installed on RHEL 7 and SLES 12 and things seemed to work well.
 - c) Jeff will close out [2514](#) is it is working – both client and server got built

OFED 3.18 RC1 status - Woody

- 1) RC1: all component features and backports for hardware should be there. Lot of groups wait until there is an RC before they begin testing so we must have all hardware backports.
- 2) RC1 2-4 weeks – Woody feels that the Intel team will need about one month.
 - a) RHEL in 2 weeks
 - b) SLES 11 SP3
 - c) SLES 12 and RHEL 7.0
- 3) Could get things out in this quarter. Earliest would be end of Q1 and latest 2-3 months later
- 4) Emulex wants to align with their products release

OFED Bug Status

- 1) Bug [2520](#) - System crash under iSCSI heavy load in Xen/Dom0.
 - a) Filed on CentOS 5.0 and Assigned to dorons@voltaire.com
 - b) Should we try to fix this issues on such an old version of OFED
 - i) **Woody**: depends on the maintainer as to whether he works on it.
 - ii) If older kernel with no backports, then we can say we are not doing
 - c) **Rupert AR**: find out who the maintainer is for iSER
- 2) Bug [2518](#)
 - a) Devesh has not looked at it yet. He will make it high priority.
 - b) Pradeep – when will testing start
 - i) Rupert: we started testing OFED 3.12-1 on 1/25/2015 and hope to start 3.18 on RoCE products 2 weeks later.

Open Items

2015 11th Annual OpenFabrics International OFS Developers' Workshop

Woody – the EWG needs to prepare a presentation for the workshop

Jim Ryan

- 1) The Developers' Workshop is from March 15-18th and finished at noon.
- 2) The OFA user group is from Wed 18th through Friday 20th
- 3) Many developers and users attend both.
- 4) We are a little late in planning but we are currently having meetings Monday and Wednesday
- 5) OFiWG – lot of focus. More important things. These keep fires burning.
- 6) Also looking at Interop and how it could work with OFiWG
- 7) Also new Mellanox Working Group called OFVWG – there mission is how to enhance verbs.
- 8) Please all attend – serious and meaningful content. We want provocative thoughts and topics.
- 9) Woody & Rupert
 - a) Anything from this group
 - b) What topics have you added and what do you want us to speak on.

- c) What should we change in OFED that would benefit Distros, Labs and Open MPI?
- d) We have had better communications with Distros. For example SLES was based on 3.12 and so our OFED was VIP to them. RHEL still piece meals things based on kernel and individual packages they want to include.

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

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

2/2/2015

- 1) Pradeep Kankipati wants to know about RoCE UDP and whether 3.18 will support – RoCE v2 what is the status - [sent email on 2/2/2015](#)
- 2) Please ask Vlad who is the current maintainer for iSER. This is an important technology for Mellanox – [sent email on 2/2/2015](#) – Vlad confirmed it is Sagi Grimberg sagig@mellanox.com

1/19/2015

- 1) Determine if the installer spits out a message if there is a missing dependency for libnl-devel-1.1.4-3.el7.x86_64.rpm which is needed for iwpm – [verified 2/2/2015](#)

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.