

OFA EWG Meeting – 4/13/2015

Attendees

First	Last	Company	02/16/15	03/02/15	03/30/15	04/13/15
Eddie	Wai	Broadcom	X	X	X	X
Steve	Wise	Chelsio		X	X	
Pradeep	Kankipati	Emulex	X	X	X	X
Pradeep	Satyanarayana	IBM		X		X
Tom	Elken	Intel		X	X	
Mike	Marciniszyn	Intel				X
Tatyana	Nikolova	Intel		X	X	X
Jim	Ryan	Intel		X	X	X
Robert	Woodruff	Intel		X	X	X
Vladimir	Sokolovsky	Mellanox	X	X	X	X
Jeff	Becker	NASA		X	X	X
Rupert	Dance	Software Forge	X	X	X	X
Tim	Carlin	UNH-IOL			X	
Dave	Wyman	UNH-IOL				X

Meeting Minutes

- 03/30/2015: <https://ofa.causewaynow.com/wg/EWG/document/307>

OFED 3.18 status

- **OFED 3.18 RC1**
 - <http://downloads.openfabrics.org/downloads/OFED/ofed-3.18/OFED-3.18-rc1.tgz>
- **OFED 3.18** – latest daily build 04-11/2015
 - <http://downloads.openfabrics.org/downloads/OFED/ofed-3.18-daily/OFED-3.18-20150411-2325.tgz>
- **OFED User Package Status**
 - <https://ofa.causewaynow.com/wg/EWG/documentRevision/download/445>
- **OFED Bug List**
 - <https://ofa.causewaynow.com/wg/EWG/documentRevision/download/444>
- **OFED 3.12-1 Bug Status**
 - Bug [2520](#) - System crash under iSCSI heavy load in Xen/Dom0.
 - Sagi Grimberg has responded – waiting for submitter to test again.
 - Bug [2526](#) - ibp_server crashes host with >1 Xeon Phi using Lustre with o2ib
 - Bug [2527](#) - Interface mtu does not change for connected mode
- **OFED 3.18 Bug Status - review**
 - Bug [2492](#) - perfctest tools enhancement
 - Low priority enhancement
 - Bug [2519](#) - Modernize compat-rdma spec file – in process
 - Vlad waiting for additional updates
 - Bug [2523](#) - OFED 3.18 RC1 compile error on SL 6.5
 - Jeff has provided NFSRDMA backport for 6.5
 - Bug [2524](#) - OFED-3.18-rc1 fails to install on RHEL6.6
 - Jeff has provided NFSRDMA backport for 6.6
 - Bug [2525](#) - OFED 3.18 3/29/2015 Daily build compile error on RHEL 6.5
 - Jeff has provided NFSRDMA backport for 6.5
 - We need to test NFSRDMA on RHEL based 6.5 and 6.6
 - Is NFSRDMA enabled in installer?
- **OFED 3.18**
 - Schedule for OFED 3.18 RC2?

- Status of RHEL 7.1 support
- Verbs mem reg CVE
- **Open items**

Bug Status

Bug [2520](#) – iSER - system crash .../drivers/infiniband/ulp/iser/iser_memory.c:111

- 1) We agreed to wait another week and see if the submitter responds and then ping one more time
- 2) This was filed on CentOS 5.0 and OFED 3.12-1. We don't go back to old OFED builds. We might send a patch and fix in next OFED

Bug [2526](#)

- 1) Woody will follow up on Lustre

Bug [2527](#) – Interface mtu does not change for connected mode

- 1) How do we get it into 3.18 - Vlad will look into it and send upstream and then pull it into 3.18
- 2) Mike Marciniszyn prompted this – we orphaned this fix in 1.5.4 – he will submit to upstream but it has not been done yet. 3.5, 3.12 and 3.18 all have problem. He needs help from original authors. Problems exist and patch works. Either Mike or Vlad will work together and get patch submitted. Mike will send to linux-rdma. It was in 1.5.4 and did not make it into the kernel.

NFSRDMA Issues - Jeff

Bug [2523](#) - OFED 3.18 compile error on SL 6.5

Bug [2524](#) – OFED-3.18-rc1 fails to install on RHEL6.6

- 1) Vlad has verified NFSRDMA can be compiled on RHEL

Bug [2525](#)

- 1) Do we need to do testing in addition to compiling?
- 2) Jeff did some and it worked. But it was light weight testing.
- 3) We should try the Connectathon tests: One on 6.5 systems and one on 6.6 systems. Jeff has been running it and still feels it is one of the test suites used extensively by the NFS community. The others are IOR and I Ozone.
- 4) **Dave Wyman:** has tried Connectathon and the test fails on test 5
 - a) Jeff – it happens but he removes the mounted share and then it works.
 - b) There is also the nroff time issue.
 - c) Jeff runs the test manually and runs “runtest” after setting the environment variables. Runtest with –n which says don't mount directly and assume it is mounted.

OFED Status in the daily build - [OFED-3.18-20150330-0925.tgz](#)

- 1) RHEL 7.1
 - a) Vlad said that everything compiled so there is no need for backports.
- 2) Packages included
 - a) NFSRDMA has been enabled
 - b) libfabric
 - c) Updated rdmacm
 - d) Xeon Phi may need to be tested.
- 3) Tatyana

- a) They have not tested but they are very interested.
- 4) Emulex
 - a) They are glad no backport needed.
 - b) Testing with 7.0 they are comfortable and no issues
 - c) What about RC2 for Interop
- 5) Pradeep from IBM
 - a) Will work with Dave to see if there are problems
- 6) Broadcom
 - a) In monitor mode.
- 7) Woody close for RC2

libfabrics – this is now RC4 and there will be one more for open issues.

- 1) Woody feels we should not hold RC2 but wait on GA for 2-4 weeks for update on libfabrics. Goal is to do GA by end of month.
- 2) RC2 – Vlad will do now.

Open Issues

Linux RDMA stack

- 1) Roland was the maintainer of the linux RDMA stack and does not have enough time because he is a volunteer. He will continue with 4.1 but by 4.2 he wants to turn it over to the community.
- 2) Linus and company will have to get another maintainer.

OFA EWG Co-Chair position

- 1) Woody: Rupert's role has changed – he is no longer funded by OFA but is going to continue as maintainer.
- 2) Rupert: SFI cannot afford to pay \$10,000 to the OFA to be a Promoter and volunteer to do this work. Therefore the OFA decided that Rupert cannot be an official Co-Chair.
- 3) If anyone wants to be a Co-Chair, that position is open. We will discuss options at the next meeting.
- 4) Pradeep from IBM said that Rupert will be missed in his roles as Co-Chair.

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

3/2/2015

- 1) SLES 11 SP3 is not supported but will Emulex will complete this week.
 - a) **Completed** by Mitesh Ahuja on 3/10/2015
- 2) **Devesh**: please test NFSRDMA using the latest OFED 3.18 build and see if Bugs [2489](#) and [2507](#) have been resolved
 - a) Devesh **confirmed** on 3/17/2015 that Bugs [2489](#) and [2507](#) were resolved

Intel -IB

1/19/2015

- 1) **QIB**: Need OFED 3.18 backports to support RHEL 6.5 and 6.6 as well as for SLES 11 SP3
 - a) **Completed** by Mike Marciniszyn on 3/6/2015

Intel iWARP – Tatyana

3/2/2015

- 1) Has been testing but needs to test status of SLES 12 and SLES 11 SP3 – **status unknown** as of 3/30/2015

Mellanox - Vlad

3/2/2015

- 1) Include libfabric into OFED 3.18 and have it build by default.
 - a) **Completed** on 3/11/2015

NFSRDMA – Jeff

3/2/2015

- 1) He is doing a fix for SLES 11 SP3 and will be done soon – this will be end of this week.
 - a) **Completed** on 3/12/2015
- 2) He has not done 6.6 but has 6.5 – he will try for RC1 but will make sure it is done for RC2 for sure.
 - a) **Open** – this has been delayed for RC2

SFI - Rupert

2/16/2015

- 1) When should we start working on OFED 3.20? – [3/2/2015 we decided to wait for 30 days to see if core features we want are in the 4.0 kernel or the 4.1 kernel.](#)

UNH-IOL

12/22/2014

- 1) Test NFSoRDMA using OFED 3.18 to see if NFSoRDMA bugs have been resolved.
 - a) Bugs have been resolved as of 2/5/2015 – see bug [2518](#)