

OFA EWG Meeting – 8/31/2015

Attendees

First	Last	Company	07/20/15	08/03/15	08/17/15	08/31/15
Pradeep	Kankipati	Avago	X	X	X	
Steve	Wise	Chelsio	X	X		X
Dwip	Banerjee	IBM		X	X	X
David	Dai	IBM		X	X	X
Tom	Elken	Intel	X	X	X	
Tatyana	Nikolova	Intel	X	X	X	X
Jim	Ryan	Intel	X	X	X	
Robert	Woodruff	Intel	X	X	X	X
Vladimir	Sokolovsky	Mellanox	X	X		X
Jeff	Becker	NASA	X			
Rupert	Dance	Software Forge	X	X	X	X
Bill	Boas	System Fabric Works			X	X
Keith	Hoodlet	UNH-IOL			X	
Stefan	Oesterreich	UNH-IOL	X	X		
Chuck	Valenza	UNH-IOL	X			
Dave	Wyman	UNH-IOL	X	X		X

Agenda

Meeting Minutes 8/17/2015:

- https://www.openfabrics.org/downloads/WorkGroups/ewg/EWG_Minutes/2015-08-17-EWG-Meeting-Minutes.pdf

OFED 3.18-1 status

- **Latest daily Build – 8/23/2015**
 - <https://www.openfabrics.org/downloads/OFED/ofed-3.18-daily/OFED-3.18-1-20150823-0741.tgz>
- **OFED User Package Status as of 8/31/2015 – updates since 8/17**
 - libiwpm-1.0.3rc1
 - mstflint-4.0.0-1.45
 - https://www.openfabrics.org/downloads/WorkGroups/ewg/OFED_User_Package_Status/OFED-User-Package-Status-2015-08-31.pdf

OFED 3.18-1 Bug Status as of 8/31/2015

- https://www.openfabrics.org/downloads/WorkGroups/ewg/OFED_Bugs/OFED-3.xx-Bug-Status-2015-08-31.pdf

OFED 3.18-1 open issues

- [2492](#) – **Chelsio** - perfest tools enhancement – **opened 6/17/2014**
- [2544](#) – **Intel** - infinipath-psm won't install with libfabric – **opened 5/22/2015**
 - Patrick McCormick from Intel reports that this is still broken but the fix is very easy.
- [2553](#) – **Intel** - Unable to run UD traffic using qperf – **opened 6/29/2015**
 - Bug submitter has responded to query and waiting for response from Maintainer.
 - Need to assign to someone other than Dean
- [2559](#) – **Intel/Chelsio** - unexpected CM event 8 error seen on running iwarp traffic after the restart of iwpmnd service
 - Waiting for Bug Submitter to test new package

- Why RC1?
- [2560](#) - Mellanox - OFED_tips.txt section 4 needs updating
- [2561](#) - Mellanox - IPoIB failure after arp cache flush -- opened 7/20/2015
 - Assigned to erezsh@mellanox.com – no action in last month
- [2562](#) - Mellanox - ib_write_bw doesn't support events
- [2565](#) - Mellanox - compat-rdma can't be built on PPC64 RHEL 7.1 LE environment
- [2567](#) – Intel - DAPL - Warning: conn_event_wait
DAT_CONNECTION_EVENT_NON_PEER_REJECTED
- [2568](#) – Intel - librdmacm.spec.out:[src/preload.c:745]: (error) Dereferencing 'rfd's'

- **OFED 3.18-1** - Plans for the next build
 - RHEL 6.7 - done
 - SLES 11 SP4 – done
 - Bug fixes
 - Other?

Open Items - Licensing – an OFA Software user wants an answer to this question:

Is there a scenario where the kernel driver sources can ever be used in a non-GPL scenario? Specifically, if you compile any of the OFED kernel driver sources in either a kernel.org kernel or a distro kernel (or any derivative of a kernel.org kernel), they become GPL -- regardless of whether the person who downloaded OFED said "I declare this download to be BSD!" or "I declare this download to be GPL!"

If there's no case where the kernel driver sources distributed in OFED can ever be used with anything other than GPL, is there a reason to dual-license them?

Next Meeting: September 14, 2015

Start of the meeting

- [2492](#) – **Chelsio** - perfest tools enhancement – **opened 6/17/2014**
 - **Steve:** Chelsio has added another developer to the team and it will be resolved shortly
- [2544](#) – **Intel** - infinipath-psm won't install with libfabric – **opened 5/22/2015**
 - Patrick McCormick from Intel reports that this is still broken but the fix is very easy. This is just a spec file fix.
 - **Woody** says Tom Elken from PSM side needs to respond. Change name of PSM library and breaks libfabric. He will follow up Edward
- [2553](#) – **Intel** - Unable to run UD traffic using qperf – **opened 6/29/2015**
 - Bug submitter has responded to query and waiting for response from Maintainer.
 - Need to assign to someone other than Dean.
 - Woody will follow up.
- [2559](#) – **Intel/ Chelsio** - unexpected CM event 8 error seen on running iwarp traffic after the restart of iwpmc service
 - Waiting for Bug Submitter to test new package.
 - Steve says that veereshuk@chelsio.com has validated it. Tatyana needs to mark it fixed.
 - **Rupert:** Why did you name your updated package RC1
 - **Tatyana:** did not want to change version of package. There is precedence in libfabric
 - Rupert, Woody and Vlad feel just increment the number.
 - Woody will follow up with Sean and get him to use numbers on libfabric because it is just another user package.
 - Tatyana will mark as fixed and change owner to Veeresh
 - Steve says there is another issue that Veeresh and Tatyana are working on. SLES11 SP4. iWARP Daemon does not start on boot up but starts on starts restart. He will file a new bug.
 - Steve – RHEL 6.7 is good and just this issue with SLES 11 SP4.
- [2560](#) - **Mellanox** - OFED_tips.txt section 4 needs updating
 - **Vlad:** Just updated and moved to fixed
- [2561](#) - **Mellanox** - IPoIB failure after arp cache flush - - **opened 7/20/2015**
 - Assigned to erezsh@mellanox.com – no action in last month
 - Vlad pinged him today
- [2562](#) - **Mellanox** - ib_write_bw doesn't support events
 - Vlad has not heard from Gil but will follow up.
- [2565](#) - **Mellanox** - compat-rdma can't be built on PPC64 RHEL 7.1 LE environment
 - Vlad – he can fix it tomorrow and will create a new daily build
 - David – he wants it fixed.
 - Vlad on vacation 9/8 → 9/30
- [2567](#) – **Intel** - DAPL - Warning: conn_event_wait
DAT_CONNECTION_EVENT_NON_PEER_REJECTED
 - Woody will follow up with Arlin but says we should not hold up the RC
- [2568](#) – **Intel** - librdmacm.spec.out:[src/preload.c:745]: (error) Dereferencing 'rfd's'
 - Woody will ask Sean.

OFED 3.18-1 - RC

- 1) Daily Build is fine with Chelsio and Tatyana
- 2) **AR:** do an RC either Monday or Tuesday of next week 9/7/2015 because Vlad is going on vacation for 3 weeks.

OFED Licensing Issue brought up by Bill Boas

Rupert: an OFA Software user wants an answer to this question:

Is there a scenario where the kernel driver sources can ever be used in a non-GPL scenario? Specifically, if you compile any of the OFED kernel driver sources in either a kernel.org kernel or a distro kernel (or any derivative of a kernel.org kernel), they become GPL -- regardless of whether the person who downloaded OFED said "I declare this download to be BSD!" or "I declare this download to be GPL!"

If there's no case where the kernel driver sources distributed in OFED can ever be used with anything other than GPL, is there a reason to dual-license them?

Discussion

- 1) **Woody:** if you build OFED for a Linux kernel then derivative is GPL. The rest of the kernel is GPL and therefore the derivative is. However take code and unpackaged, take it as BSD and build it with something that is not GPL and from kernel.org.
- 2) **Bill:** so you cannot download as BSD?
- 3) **Woody:** the OFED components allow to be built with Linux Kernel and so if compiled for Linux it will be GPL. But components can be downloaded and used as BSD. This is my interpretation and he is not a lawyer.
- 4) **Bill:** check email sent to Jeff. When OFED compiled with Linux, it becomes GPL and this is serious.
- 5) **Woody:** if compiled to run with Linux it is GPL
- 6) **Rupert:** but to be clear if it is compiled with a BSD kernel, it can be BSD.
- 7) **Bill:** this is not consistent with Red Hat lawyer said. Normally both through downstream.
- 8) **Woody:** OFED is only distributed as source not binary with a few exceptions:
 - a) **Compat-rdma** backports needed to compile Linux RDMA stack is GPL
 - b) **usNIC**.
- 9) **Bill:** does any Cisco customer want usNIC to work in OFED?
- 10) **Woody:** someone would need to make the usNIC stuff work in OFED because it currently does not.
- 11) **Woody:** we need to document that some files are GPL only.

Continued:

- 1) Rupert: how do we answer this question:
 - a) *If there's no case where the kernel driver sources distributed in OFED can ever be used with anything other than GPL, is there a reason to dual-license them?*
- 2) **Woody:** The reason to have dual licenses is that it is in the OFA Bylaws. OFED is designed to be built with Linux but if you compile for a BSD kernel then you need the source code to include both BSD and GPL.
- 3) **Vlad:** Free BSD used the OFED source code to build their distribution and it is BSD. .
- 4) **Woody:** if the user wants the dual license, they can get the code they need from git-tree. NetApp and FreeBSD people want this.
- 5) **Woody:** If Cisco feels they do not want to include the BSD license, then this should be discussed by the OFA Board to decide if they are going to allow this. We are only slightly shaky ground with some backports which are GPL only but for components and code being submitted by OFA maintainers, it should be submitted as dual. Cisco can resubmit the kernel driver because there are probably no new patches. Emulex already did this. Then there would need to be updated user space package.
- 6) **Woody:** usNIC is Ethernet and it implements a low level driver through verbs and user space. They wanted low level access to kernel. The Cisco driver is currently GPL only. It is included in the OFED tree but not used because Cisco does not use OFED

ARs

Chelsio – Steve Wise

9/15/2014

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

8/3/2015

- 1) Reassign bug [2559](#) and work with QA to get it resolved.
- 2) Tatyana has released a new version: libiwpm-1.0.3rc1.tar.gz. This is included in OFED-3.18-1-20150823-0741 - can you test and see if the problem has been resolved.

Avago – Pradeep

8/17/2015

- 1) Bug [2553](#) - Unable to run UD traffic using qperf. - Please follow up with Mitesh

Intel –IB

7/6/2015

- 1) [2553](#) - Unable to run UD traffic using qperf - Tom to follow up

Intel iWARP – Tatyana

8/18/2015

- 1) Tatyana has released a new version: libiwpm-1.0.3rc1.tar.gz. This is included in OFED-3.18-1-20150823-0741.

Mellanox – Vlad

8/31/2015

Please do an OFED 3.18-1 RC either Monday or Tuesday of next week 9/7/2015

8/3/2015

- 1) Resolve bug [2560](#) and update OFED Tips
- 2) Talk to Eli and others about Bug [2561](#) – IPoIB
- 3) Work with Gill to resolve perftest bugs
 - a) [2555](#) - ib_send_bw –run_indefinitely fails to terminate on the server after client disconnects
 - i) Maintainer marked it won't fix due to the complexity of the solution. – **WONTFIX 8/17/2015**
 - b) [2562](#) – ib_write_bw doesn't support events
 - i) no progress on this bug
- 4) Bug [2565](#) - _compat-rdma can't be built on PPC64 RHEL 7.1 LE
 - a) **See notes above** – use different config.guess

System Fabric Works – Bill Boas

8/17/2015

- 1) Form a small group to create and review a license process document
- 2) Verify that we can take as BSD and then contribute back as dual.

SFI – Rupert

8/4/2015

- 1) We need to add a note in add note in 3.18-1 that ipath will be deprecated in OFED 4.3.
- 2) Update bug [2545](#) and say ipath will not be supported – done 8/25/2015
- 3) Update bug [2547](#) as a known issue and will not be fixed – done 8/25/2015