OFA EWG Meeting – 3/3/2014

Attendees

First	Last	Company	01/20/14	02/03/14	02/17/14	03/03/14
Steve	Wise	Chelsio			X	X
Pradeep	Kankipati	Emulex	X	X	-	X
Allen	Andrews	Emulex				X
Pradeep	Satyanarayana	IBM	X	X	X	X
Bart	Van Assche	Fusion-io	X	X	X	X
Tom	Elken	Intel	X	X	-	-
Tatyana	Nikolova	Intel	X	X	-	X
Robert	Woodruff	Intel	X	X	-	X
Vladimir	Sokolovsky	Mellanox	X	X	-	X
Mani	Subramaniyan	PLX		X	-	-
Bill	Snapko	SGI		X	-	X
Rupert	Dance	Software Forge	X	X	X	X
John	Jolly	SUSE	X		-	X

Agenda

OFED 3.12 status
- OFED 3.12 – Daily Build: http://www.openfabrics.org/downloads/OFED/ofed-3.12-daily/OFED-3.12-20140226-0328.tgz
- 2/26/2014 daily build is compiling correctly and everything installs on CentOS 6.5
  - Other testing?
- User Package Status for OFED 3.12: https://ofa.causewaynow.com/wg/EWG/documentRevision/download/275
- RC1 release date

OFED 3.12
1) John Jolly – as far as he knows things look good – they have not done extensive testing yet.
2) Tatyana – build is OK – today package HPC module #3 on menu. One package did not install – missing something required to build mstflint. RHEL 6.4 – missing dependency. When you select the option to install everything, the build works well. But if you select Option 2 (HPC) it causes problems.
3) Woody has not done much testing but Intel will test it extensively
4) Steve from Chelsio has 31 patches in the net-next
   a) Trying to solve bugs and using latest live cxgb4. He only got one comment from David Miller
   b) Version 2 was just released. Steve wants to wait until Dave says go and then will post everything.
   c) Hopefully by next week
5) Woody
   a) OK to release RC and wait for Chelsio for the following RC. Steve is OK with releasing RC1 without
6) Pradeep from Emulex is OK with the RC and so is Pradeep from IBM
7) Vlad – he is OK to go with RC1
   a) He can release right after this meeting.

Bug Review
- Bug status as of 3/3/2014: https://ofa.causewaynow.com/wg/EWG/documentRevision/download/274
- Bug (2466) is not relevant for OFED-3.12 (but only for OFED-3.5*).
  - failed to load kernel modules due to duplicated symbols in compat.ko

- o **Vlad**: It is a compat issue and exports symbols that already exist in the kernel it is actually Related to 3.5-1 MIC. Woody says he will address it in 3.5-2
  - o Move bug to Arlin – done 3/3/2014
- Pradeep will continue to work [2449](#)

Steve Wise

1) Couple of issues with DAPL test. Hoping Arlin can bless and fix: [2437](#)
   a) Assigned to Chelsio QA to test with all fixes in Chelsio
   b) Woody says Arlin can do update for DAPL for RC2
   c) Pradeep DAT QUAL CON in use. He has seen the issue as well. Port in use when under heavy use
   d) Port outside ephemeral range then the problem goes away.
2) Another issues that dapl defaults to port # in ephemeral port range for rdmacm
3) He will look at [2464](#) NFSoRDMA issue. Chelsio is interested in NFSoRDMA and so they will review.

Discussion about the next OFED versions - Woody

1) Better to have less frequent rebasing of kernels – so wait several months before next rebase and then discuss which kernel to align with. If new features or hardware we may accelerate.
2) There is beta version of EL7 which we need to support and it may make sense to do a 3.12-1 for EL 7
3) Intel would also like to merge MIC with a flag option. He thinks they will do that in 3.12-1
4) **Steve**: Downside – hard to do backports with devices with lots of cherry picks.
5) If many fixes upstream, then we will be forced to.
6) We decided that we should aim for every six months for the rebase. We produce a release and then one or two dot releases and then we go to new kernel. So maybe new kernel in August.
7) 3.14 RC5 so 3.15 merge window will be soon.
8) **Woody**: Even kernel is more stable and so we may want to wait. Steve says he does not really think that is true.
9) **John Jolly**: not aware of differences in the kernel. It is the Distros that really make the stable release.
10) **Bart:** This was true for 2.6 and 3.0.Even kernels were stable and odds were development kernel. Kernel 3.13.5 is latest stable kernel listed on Kernel.org.

Opens

1) Does RSockets work on Intel True Scale HCA
   a) **Sean**: The issue is that rSockets requires inline data, which is not supported on the True Scale hardware. RSockets would need to be modified to handle HCAs that do not support inline data.

Pradeep from IBM

2/17/2014

1) Pradeep will try to get Mellanox FW and adapter model to test IB on NFSoRDMA

Rupert

2/17/2014

1) Rupert setup meeting between all the players trying to solve Bug 2449 – NFSoRDMA crash on PPC64 – done 2/18/2014
2) Ask UNH-IOL, DDN & NetApp to test SRP in OFED 3.12 – done 2/18/2014
3) Follow up with all vendors who have products blocking the release of OFED 3.12 RC1 – see above - done 2/18/2014

2/3/2014

1) Update Build process document to include User space packages – done by Tatyana 3/13/2014

1/20/2014

1) MVAPICH2 should be included in the releases notes as tested with OFED

8/19/2013

1) Update the Bugzilla list of Maintainers using OFA Maintainers list because it is more accurate - done 3/7/2014