

OFA EWG Meeting – 5/12/2014

Attendees

First	Last	Company	03/17/14	04/14/14	04/28/14	05/12/14
Steve	Wise	Chelsio	-	X		X
Pradeep	Kankipati	Emulex	-	X		
Allen	Andrews	Emulex	X			
Pradeep	Satyanarayana	IBM	X	X	X	
Bart	Van Assche	Fusion-io	-	X		
Arlin	Davis	Intel			X	
Tom	Elken	Intel	X	X	X	X
Tatyana	Nikolova	Intel	X	X	X	X
Robert	Woodruff	Intel	X	X		X
Vladimir	Sokolovsky	Mellanox	X		X	X
Rupert	Dance	Software Forge	X	X	X	X
John	Jolly	SUSE	-		X	

Agenda

OFED 3.12 status

- **RC2: released 5/7/2014**
 - <https://www.openfabrics.org/downloads/OFED/ofed-3.12/OFED-3.12-rc2.tgz>
 - Release notes – see attached
 - Updated packages:
 - dapl-2.0.42
 - ibutils-1.5.7-0.2.gbd7e502.tar.gz
 - libcxgb4-1.3.3
 - mstflint-3.6.0-1.8
 - perftest-2.2-0.16.g8406133.tar.gz
- **OFED 3.12 RC2 User Package Status**
 - See attached or link below
 - <https://ofa.causewaynow.com/wg/EWG/documentRevision/download/304>
 - **Not Included:** libmlx4 1.0.6
 - <http://www.openfabrics.org/downloads/mlx4/libmlx4-1.0.6.tar.gz>
 - The main new features in this package are: generic infrastructure for "verbs extensions", support for XRC, and support for flow steering.
 - Since these include new features and we are already in RC, we did not include this package.

OFED-3.5-2-MIC

- **Beta1 released**
 - <https://www.openfabrics.org/downloads/ofed-mic/ofed-3.5-2-mic/OFED-3.5-2-MIC-beta1.tgz>
- **Changes from OFED-3.5-2 include:**
 - added host-side drivers for Intel Xeon Phi CCL direct
 - added ibscif driver and library for in-box communication
 - added support for RHEL 6.5 and SLES 11sp3 (see release notes)
 - added support for Mellanox(R) Connect-IB(TM) (mlx5) HCAs
 - moved perftest to 2.0-0.27 for card-side interoperability
 - fixed Bugzilla bug 2466 - RHEL 6.5 module load issue
 - fixed ibacm daemon script for SuSE installation
 - update DAPL package to release 2.0.41.2
 - script and documentation changes

OFED 3.12 RC2 testing status

Woody

- 1) Intel has not done testing yet but he will ask his team to do so and Arlin to do a sanity check on DAPL

Steve – Chelsio

- 1) His team has done some testing but he has had no feedback yet.

Rupert

- 1) Software Forge has done some testing of the updated packages such as perfest and seen no problems.
- 2) He has got UNH-IOL doing a full test suite and asked them to concentrate on iWARP since there were a lot of changes with the Chelsio T5

Discussion about libmlx4 1.0.6

- The main new features in this package are: generic infrastructure for "verbs extensions", support for XRC, and support for flow steering.
- Tom mentioned that there had been discussion to reverse some patches some we decided to wait and include this update in 3.12-1

OFED-3.5-2-MIC - Woody

- 1) The previous release was based on 3.5-1 so this is an update to 3.5-2
- 2) Woody there still some updates for the Intel True-Scale products before they are ready to do an RC
- 3) Intel would still like to merge the MIC code into 3.12-1 and have it as an option to compile. They have a set of patches that have tested but they want to wait for OFED3.12-1
- 4) Vlad is OK with incorporating it into 3.12-1

Open Bug review

- [2449](#) – NFSoRDMA on PPC64 – Chuck Lever and Shirley Ma from Oracle have been granted access to the PPC64 hardware at the OFA cluster at UNH-IOL. They have identified the first blocker and produced a patch but they anticipate there will be further issues. They will continue to work on them and will discuss at the new NFSoRDMA bi-weekly meeting at 11:00 AM Eastern
- [2475](#) – infinipath-psm-3.2-2_ga8c3e3e_open rpmbuild fails on RHEL7.0 x86_64
 - This is an issue with Intel PSM running on RHEL 7.0 and we will provide support for RHEL 7.0 in 3.12-1
- 2482 – This affects both server and client but server is non-trivial. Re-write of a lot but still has issues on older Mellanox. Steve says this bug really only affects NFSRDMA over cxgb4 as far as know, so I'll add errata to the cxgb4-specific release notes
- [2485](#) – Chelsio - Blocked trace with mbw stress – Steve is still trying to understand root cause. Fix is most likely FW and that can be bound into their driver. He definitely wants to **stop ship and do an RC3**. By Monday 5/19/2014 he should have it done.

Tatyana – she is still working on credit exchange mechanism for the `ib_send_bw` tool in `perftest`. Gil (maintainer from Mellanox) has incorporated the first 2 parts of her patch in `perftest` but there is one more. She will try for next Monday. These are fixes and not new features.

Conclusions

- 1) We will give Steve and Tatyana another week to resolve the issues noted above. And then we will release RC3 by Monday 5/19/2014
- 2) We will take a week to test RC3 and then release OFED 3.12 GA on 5/26/2014.

Discussion regarding SLES 12

- 1) Tom believes the kernel for SLES 12 is the same kernel we are using for OFED 3.12. Kernel is the same and it is 3.12. Intel has discovered some internal bugs for updating SLES 12 which they have been communicating to SUSE.
- 2) Tom also feels the SLES team is cherry picking patches from kernel.

Opens

- **Woody:** please review the OFED 3.12 Release Notes
- **Tom** confirms that Intel is testing MVAPICH2
- **Tom** asks that we make an effort to get user package release notes updated

ARs

Pradeep from IBM

4/28/2014

- 1) Pradeep will try and get another PPC64 for the OFA Cluster at UNH-IOL because it will help with diagnosing issues that seem to be turning up with OFED running on Big Endian machines.

2/17/2014

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

Rupert

5/12/2014

- 1) Update the release notes to indicate that the version of Intel MPI that was tested was Intel MPI 4.1.3 – [done 5/13/2014](#)
- 2) Contact all of the maintainers and request that they update their release notes – [done 5/13/2014](#)