

OFA IWG meeting – 10/22/2013

Attendees

First	Last	Company	08/27/13	09/10/13	09/24/13	10/22/13
Tom	Reu	Chelsio		X	X	X
Martin	Schlining	DataDirect Networks	X		X	X
Jeff	Kopko	Emulex	X	X	X	X
Pradeep	Satyanarayana	IBM		X	X	X
Harry	Cropper	Intel	X	X		X
Mitko	Haralanov	Intel				X
Jess	Robel	Intel	X	X	X	
Yevgeny	Petrilin	Mellanox				
Rupert	Dance	Software Forge	X	X	X	X
James	English	UNH-IOL	X	X	X	X
Nate	Landolt	UNH-IOL	X			
Glenn	Martin	UNH-IOL			X	
Edward	Mossman	UNH-IOL	X	X	X	
Bob	Noseworthy	UNH-IOL	X	X		
Nate	Rubin	UNH-IOL	X	X	X	X

Agenda

2013-2014 Events

Interop and Plugfest Events

- **November/December 2013**
 - OFA Interop Logo GA Event TBD
- **April 2014**
 - IBTA PF25 03/31 → 04/11/2014
 - OFA Interop Debug Event 04/07 → 04/11/2014

OFA EWG Status

- OFED 3.5-1
 - [OFED 3.5-1 GA](#)
- OFED 3.5-2
 - [OFED 3.5-2 RC2](#)
- OFED 3.12
 - Daily build in November.
 - RC in December
- OFED 3.13
 - MNLX5
 - Tom – Chelsio will submit updates for the T5

October 2013 Interop Debug Event

- Update from **UNH-IOL**
- [OFA-IWG Interoperability Test Plan-v1.49-v5](#)
 - Review RDMA Interop updates
 - Review RSocket updates
- [OFED Bug Status](#)
 - Review open bugs

Chelsio – report from Tom Reu

- 1) OFED 3.5-2 currently does not have drivers for some of their new products. So for the October 2013 Debug event, Chelsio had to install their driver updates on top of OFED.
- 2) Chelsio plans to have full driver support available in the 3.13 kernel. Kernel 3.12 is now approaching GA and so they will have to wait until 3.13

Emulex

- 1) Rupert has provided the OFED Build process to Pradeep Kankipati who is their Senior Engineering Manager at Emulex

October 2013 Interop Debug Event - Update from Nate Rubin at UNH-IOL

- 1) IB all done except
 - a) Some of IB SRP is not finished and SM Failover which is easy
 - b) One part of IPoIB
 - c) Good Results overall
- 2) RoCE - very exciting in RoCE department
 - a) Going well and in contact with Jeff and Pradeep from IBM
 - b) NFSoRDMA – James and I are working on this and have run into problems
 - c) RDMA Basic – there is a small issue they are working.
 - d) This OFA Interop event included Mellanox RoCE products and the interoperability testing has gone very well.
 - e) Rsockets was run for the first time in RoCE and everything worked great. The rstream utility uses all the different capability of the Rsockets library.
 - f) The uDAPL Group 3 testing was completed which includes pipeline. This group was not run before because of endian issues. This now works well and was successful.
- 3) iWARP
 - a) Had not done much testing at the end of last week. Delayed because there were 4 new cards. Needed a new 40 GbE switch to handle the new product.
 - b) **Tom:** this was the new product
 - i) T520 CR – SFP
 - ii) T580 LP – 40 GbE products.
 - iii) Troy will continue to work with the team.
- 4) **Rupert:** Just a reminder to the group that the OFA Debug Events do not generate official reports

Opens

Jeff: He wants to know does testing insure that all end points are run in client and server mode.

Nate: yes - every combination is tested in both client and server and so each adapter is matched against every other adapter.

Pradeep – problems with RDMA Basic

- 1) We can remove the “-t 126” option for Emulex RCA
 - a) `ib_read_bw -d <dev_name> -i <port> -m 2048 -s 1000000 -t 126`
- 2) 13.5.8 and others - All sections need –s in both client and server.
- 3) Nate says they have been typing these in by hand.
- 4) **Tom:** should we use –R –x 0 in both client and server as documented
- 5) **Harry:** he will check internally to see if there are problems with the use of the `ib_read_bw`, `ib_write_bw` and `ib_send_bw`

Bugs

- 1) Pradeep will follow up with Bugs 2419-2423 They have already submitted patches to deal with the endian issues. Rupert also followed up with Mellanox on these bugs and they have been re-assigned to a new developer at Mellanox
- 2) 2430 is fixed – Nate has verified
- 3) Rupert asked all the vendors to work on the iWARP bugs and see if they could get them resolved. There are several critical bugs which are holding up OFED 3.5-2 GA!

Action Requests (ARs)

Emulex – Jeff

9/10/2013

iWARP vendors

10/22/2013

- 1) Solve bugs in OFED 3.5 and 3.5-2

IBM - Pradeep

Software Forge - Rupert Dance

10/22/2013

- 1) Add the –s option to both client and server in the RDMA Interop tests as per Pradeep's recommendation – [done 11/5/2013](#)
- 2) remove the “-t 126” option for Emulex RCA – [done 11/5/2013](#)

Older

- 1) Update Logo Program to include OFA Policy regarding OFILG Membership and granting of the Logo
- 2) Check with EWG and XWG about the distribution of OFED Binaries
- 3) Create Logo with version or change Logo Guidelines – [see 4/3/2012 minutes](#)

UNH-IOL

9/10/2013

- 1) Nate and James will work with Jeff and Pradeep to resolve issues they have found with NFS0RDMA over RoCE – [in process 9/24/2013](#)