

OFA IWG meeting – 7/30/2013

Attendees

First	Last	Company	05/21/13	06/18/13	07/16/13	07/30/13
Tom	Reu	Chelsio				X
Martin	Schlining	DataDirect Networks	X	X	X	
Jeff	Kopko	Emulex	X	X	X	
Pradeep	Satyanarayana	IBM	X	X	X	X
Harry	Cropper	Intel	X		X	
Mitko	Haralanov	Intel		X	X	
Jess	Robel	Intel	X		X	X
Jim	Ryan	Intel	X	X		
Yevgeny	Petrilin	Mellanox				
Rupert	Dance	Software Forge	X		X	X
James	English	UNH-IOL			X	X
Nate	Landolt	UNH-IOL	X		X	X
Glenn	Martin	UNH-IOL	X		X	X
Edward	Mossman	UNH-IOL		X		X
Bob	Noseworthy	UNH-IOL	X		X	X
Nate	Rubin	UNH-IOL	X	X	X	X

2013-2014 Events

OFA Training

- Aug 20-21st 2013 – [InfiniBand Fabric Administration](#)
- Aug 22-23rd 2013 - [Writing Application Programs using RDMA Verbs](#)

Interop and Plugfest Events

- **October 2013**
 - [IBTA PF24](#) 10/07 → 10/18/2013
 - [OFA Interop Debug Event](#) 10/14 → 10/18/2013
- **April 2014**
 - IBTA PF25 03/31 → 04/11/2014
 - OFA Interop Debug Event 04/07 → 04/11/2014

OFA EWG Status

- 1) OFED 3.5-1 was released to just support RHEL 6.4
 - a) OFED 3.5-1 RC1 is available here:
 - b) <http://www.openfabrics.org/downloads/OFED/ofed-3.5-1/OFED-3.5-1-RC1.tgz>
- 2) OFED 3.5-2 includes support for REHEL 6.4 and all the most recent updates. Latest daily build includes the following updates:
 - a) Includes support for SLES 11 SP3
 - b) Sean hefty has provided an update for ibacm
 - c) Arlin Davis has provided another update for dapl
 - d) <http://www.openfabrics.org/downloads/OFED/ofed-3.5-2-daily/OFED-3.5-2-20130805-0844.tgz>
- 3) Vendor testing of OFED 3.5-2
 - a) Tom Reu – he will check with Chelsio to determine the status of the submission for new T5 driver.
 - b) Harry – there have been no changes to the Intel iWARP product.
 - c) Jess – they have had no recent changes in the Intel IB software.
 - i) They tested 3.5-1 and had no issues

- ii) They are waiting for RC for OFED 3.5-2 and will then test it.
- d) Pradeep – 3.5-2
 - i) IBM tested it minimally – there were some uDAPL failures in heterogeneous manner.
 - ii) They filled Bug 2439 on this issue: http://bugs.openfabrics.org/bugzilla/show_bug.cgi?id=2439
 - iii) They noticed no difference from the previous build – i.e. there was no regression
- e) Glen Martin – UNH-IOL
 - i) There were no unexpected failures. They have tested uDAPL, RDMA Stress and RDMA Basic Interop, SRP, IPoIB (Both) and NFS-RDMA
 - ii) They will test MPI this week and he will also test with SLES 11 SP3
- 4) OFED 3.11 or 3.12
 - a) Tziporet – has moved to Mellanox Windows and so she will no longer be the Co-Chair of the EWG. Rupert was nominated to join Woody from Intel as the Co-Chair.
 - b) Vlad will continue to maintain the compat and compat-rdma modules and will represent Mellanox in the EWG meetings.
 - c) He expects to have an RC in time for the October 2013 Interop Debug Event and a GA sometime in November

May Interop GA Event - Status update from UNH-IOL

- 1) All reports were sent 15 days ago and so the arbitration request period is over. There were no arbitration requests and no problems stated. So they are now assembling the Logo List and will post it on the UNH-IOL website
- 2) They will send a quick email asking for official approval of the Logo Results. Rupert suggests that they include a Read Request so that there is confirmation that it was received.

Review of the Mandatory Tests for October 2013

InfiniBand Transport

- 1) **iSER** - There have been no vendors who support iSER since Voltaire was bought by Mellanox so we voted to move iSER deprecated
- 2) **Rockets** – we agreed to try to implement a test suite for the October 2013 Interop Debug event but it must remain as Beta
- 3) **NFSoRDMA** - Bob confirms - NFS is mandatory

iWARP Transport

- 1) **iSER** is not supported by either of the iWARP vendors so we decided to deprecate this test
- 2) **NFSoRDMA**
 - a) Tom – he has tested and it works
 - b) Harry says not tested but he will check into this
 - c) Bob – this will remain Beta for October 2013. We want to make sure we do this at October 2013
- 3) **RDMA Stress** – we have more switch availability.
 - a) Need to evaluate running for October.
 - b) Bob agrees testing has been routine and he would support adding more tests.
 - c) This is stressing the fabric and we have no switch vendors as members but Bob will try to get some additional 10 GbE switches.

RoCE Transport

- 1) **RoCE Link Initialize** – UNH-IOL report that there have been no problems with this test so we voted to make it mandatory

- 2) **TI iSER** – not much demand so they are not testing → Deprecate
- 3) **RSockets** – Pradeep says that it is tantalizing to use socket based applications but there are limitation. Close but not completely there. We decided to leave it as Beta and defer the discussion to the next meeting
- 4) **SMC-R** – slightly different segment – Pradeep will look into this.
- 5) **NFSoRDMA** – was not run in May 2013
 - a) Pradeep – there was no previous interest but some recent interest. He will come back to us.
- 6) **uDAPL** – Nate says it work well and so we decided to move it to mandatory
 - a) Pradeep – there have been other tests in the uDAPL test plan that were not executed
 - b) **AR:** Nate – he will check the entire test suite
 - i) We did Group 1 and 2 but not others
 - ii) Nate will run the other tests and see if problems have been resolved
 - c) Decision – we will do some tests and report at next meeting
- 7) **RDMA Interop Basic** → Nate says that everything is OK with this test suite and so we decided to go to Mandatory. Pradeep was OK with this.
- 8) **RDMA Stress** – limited by number of switches available.
 - a) Nate – they will try to get additional switches so they can execute this test
- 9) **Open MPI** – Nate – the biggest thing is that there is only one company with Intel Platform and one with Power PC. Move to **Mandatory** but explain there no Interop because of Heterogeneity.

Action Requests (ARs)

Rupert Dance

7/30/2013

- 1) The group needs to make a determination about what version of OFED to use for testing in October.
 - a) OFED 3.5-2
 - b) OFED 3.5-11- this is a possibility but it is not certain when the first RC will be available.
- 2) We need to discuss what's new and what other features need to be tested. For example what to do with RoCE and what about higher speed RoCE and IB.
- 3) Update Test plan with group decisions discussed above – [done 8/11/2013](#)

6/18/2013

- 1) Review all of the mandatory items in the test plan – [done 7/30/2013](#)

2/26/2013

- 1) OpenFabrics Interoperability Logo Program Changes – [in process](#)

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

7/30/2013

- 1) Develop RSockets tests for IB and RoCE
- 2) Execute the full uDAPL test Suite for RoCE and make sure there are no issues