

## OFA IWG meeting – 5/1/2012

### Attendees

First	Last	Company	03/06/12	03/20/12	04/03/12	05/01/12
Chris	Calandro	Chelsio	X	X	X	
Tom	Reu	Chelsio				
Martin	Schlining	DataDirect Networks	X	X	X	X
Pradeep	Satyanarayana	IBM				
Harry	Cropper	Intel	X	X	X	X
Jess	Robel	Intel	X	X	X	
Jim	Ryan	Intel	X	X		X
Mitko	Haralanov	Intel	X	X	X	X
Idan	Kligvasser	Mellanox				X
Slava	Pekelis	Mellanox		X	X	
Rupert	Dance	Software Forge	X	X	X	X
Bob	Noseworthy	UNH-IOL	X			X
Chris	Hutchins	UNH-IOL		X		X
Edward	Mossman	UNH-IOL			X	X
Nick	Wood	UNH-IOL	X	X		X
Bill	Weber	Unisys	X		X	X

### 2012 Events

- OFA Logo Validation Event 05/21 → 06/01/2012
- OFA Interop Debug OFED 3.3 07/09 → 07/13/2012
- [IBTA PF 22](#) 10/15 → 10/19/2012
- OFA Interop Debug Event 10/22 → 10/26/2012

### EWG meeting

#### OFED or Not to OFED

- 1) There was some concern expressed that there was not sufficient progress being made to provide drivers and support for OFED 3.2. The question was asked if we should contribute providing support for OFED if only one vendor was contributing. A request went out to all vendors to indicate their support for OFED and to provide timelines for updating their drives.
- 2) There was a wide agreement from all participants that we should go ahead and continue releasing OFED as a collaborative effort of all the vendors. Intel and Chelsio both say they will be ready

#### OFED Version 3.3 versus 3.2

- 1) The EWG decided to move to 3.3 kernel base and start with OFED 3.3 since kernel 3.3 is available now.
- 2) Intel says QIB back ports will be ready by end of May.
- 3) There are no new features. Just taking kernel and adding back ports.
- 4) OS supported
  - a) Some want to include RHEL 5 but this will be harder and require more back ports.
- 5) The resale of OFED 3.3 may be easier in some regards because we are really only testing the back ports because the kernel has already been tested by the Distros
- 6) Schedule:
  - a) May 30: All drivers' backports should be ready by - for RHEL 6.2 and SLES11 SP2
  - b) June 14: RC1 - including backports to RHEL 5.8
  - c) July 30: GA

### **OFED 3.3 Interop Debug Event**

- 1) Harry likes the idea of week after July 4<sup>th</sup>
- 2) Marty is good
- 3) Mitko is good
- 4) Idan will check

### **Review of April 2012 Interop Debug Event**

#### **iWARP - Chris Hutchins – UNH-IOL**

- 1) They are currently doing Inter-OS testing which includes SUSE, RHEL and CentOS after all of the update packages have been installed.
- 2) Test scenarios
  - a) Same OS to same OS
  - b) Test between different OSs – for example RHEL to SUSE
- 3) The focus of Inter-OS testing is on Distributor OS. They now had access to all repositories. YUM and Zipper and all packages. They are logging all the updates done. They take the most recent updates.
- 4) Most Distros don't have OFED class when installing the OS like they have a Server or Desktop configuration. Some have RDMA category but doesn't include everything. They have to search through all the packages to make sure they have the packages required to support testing.
- 5) They include the kick start files in the vendor reports that show what they have installed. They will start including the update logs for the April 2012 Logo GA Validation reports
- 6) **AR:** Chris will make a separate page to show how Distros have been installed. He will sanitize the kick start file. This easy for RHEL
  - a) Everyone thinks it is a great idea.
- 7) Core mandatory testing had no problems

#### **IB – Nick Wood – IB SL 6.2 and OFED 1.5.4.1**

- 1) There is more in-depth testing and more devices so IB is not complete yet.
- 2) There are a couple of issues that have been reported and those vendors have been notified.
- 3) Completed with no issues
  - a) OpenSM testing complete and no failures
  - b) Fabric Init – completed with no problems
  - c) RDMA Basic Interop - Parts A and B are fine
  - d) RDS good
  - e) SDP all good
  - f) SRP is fine
- 4) Problems
  - a) Link Init – some problems – vendors have been notified
  - b) IPoIB – CM and DM
    - i) Part A and C – these parts completed successfully from a protocol perspective.
    - ii) Part B – requires cable migration and has not been completed. Series of pings after moving cables. Part B follows failures on Part a
  - c) NFS-RDMA - Kernel module problems
    - i) Jeff Becker confirmed that he has not updated this for RHEL 6.2 or any other Distro based on 6.2
  - d) uDAPL - slight issue with but thinks it is a script problem.
  - e) Vendor SM Testing is causing problems
- 5) Ongoing testing
  - a) Open MPI Full heterogeneous ring

- 6) Deprecated and no longer run
  - a) MVAICH

### **IB Inter-OS Testing**

- 1) This is all part of the topology but has not been tested yet. They are trying to resolve problems first and then go on to Inter-OS testing.
- 2) Ed is doing Inter-OS for iWARP and will do the same for IB

### **Reports for Debug**

- 1) As always there will be no formal reports created for the Debug Event – email only

### **GA Validation Event**

#### **iWARP**

- 1) UNH-IOL ran the Debug event as if it was the Logo Event and there were no problems. They used SL 6.2 and since OFED 1.5.4.1 is already GA, there is no reason to run the tests again.
- 2) The members of the OFA IWG who were present in the meeting discussed the request to use the Interop Debug results as the basis for Logo Validation and a voice vote was taken. The motion passed by acclamation..

### **IB - Logo Validation Event Date - discussion regarding the date of 5/21/2012**

- 1) Mitko – is three weeks reasonable
  - a) Some issues can take longer
  - b) Send email with dates of deadline
- 2) Marty
  - a) He is OK
- 3) Idan
  - a) I would like to review all issues.
- 4) Bob says he cannot do it earlier than the 21<sup>st</sup>

### **OFA User Day**

- 1) During the OFA Workshop in 2012. Susan Coulter from LANL suggested the concept of having a User Day to share problems and solutions.
- 2) This is targeted to individuals who are users of RDMA and System Admins. We will not focus on developers so this way it will complement the OFA Developer workshop.
- 3) The goal is to help to evaluate RDMA solutions and problems and we hope it will be good for newbies and experienced.
- 4) The OFA had the first organizational meeting yesterday and we are working on developing the agenda and content
- 5) Committee members
  - a) Bill Lee – Mellanox
  - b) Ira Weiny – Tri Labs.
  - c) Jim Ryan - Intel
  - d) Paul Grun – System Fabric Works
  - e) Susan Coulter – LANL
  - f) Rupert Dance – Software Forge
- 6) All welcome.

## **Action Requests (ARs)**

**Chris**

**5/1/2012**

Make a separate webpage page to show how Distros have been installed. Include a sanitized kick start file and the update logs.

### **Group 2/21/2012**

- 1) Review the Logo Program and prepare updates for the next meeting.

**Nick**

**Rupert Dance**

**7/5/2011**

- 1) Update Logo Program document to include OFA Policy regarding OFILG Membership and granting of the Logo

**Older**

- 1) Check with EWG and XWG about the distribution of OFED Binaries – [in process as of 5/2/2011](#)
- 2) Create Logo with version or change Logo Guidelines – [see 4/3/2012 minutes](#)
- 3) Incorporate ICR into Logo Program

**Slava**

**3/20/2012**

Check with Mellanox about participating in RoCE testing