**OFI WG Weekly telecom – 02/03/2015**

**Agenda:**

* Open github issues for group discussion, if any
* Ready to exit Alpha phase on ~ 2/3/15?
* Workshop f-2-f – please fill out the doodle poll
* IWG – looking at interoperability work

**Credits proposal**

**-** topic is closed

**March F-2-F**

- F-2-F planned for Sunday, 3/15, 12pm to 5pm PST.

- Rooms at the Marriott can be had on Saturday night at the OFA workshop rate.

- DS/DA is planning a breakout either Sunday AM or Monday PM

- Agenda

- release readiness

- testing and test coverage

- test automation

- provider selection – still having some issues here

- review the Github issues list and pick out some key ones to be resolved f-2-f

- support for non-Linux systems, at least for development purposes (OS 10 in particular)

- looking ahead beyond the first release – captured as Github issues

**Workshop**

Current planned sessions:

- Ken Raffenetti (Argonne) – Perspective and experience with OFI in MPICH

- Patrick MacArthur (UNH/IOL) – porting the Extended Sockets (EXS) API to libfabrics

- Jeff Squyres (Cisco) - USnic provider

- Jeff Squyres (Cisco) - the state of libfabrics in OpenMPI

- Sean Hefty (Intel) – OFI mini-tutorial, architectural overview, available providers

- Paul Grun (Cray) – OFA perspective on OFI

Sessions related to storage:

- Dave Minturn (Intel) NVMe Introduction

- Dave Minturn (Intel) NVMe over Fabrics

- Doug Voight (SNIA TWG) RDMA and NVM

- Bob Pearson (Cray) – NVM for Burst Buffers

- Bob Pearson (Cray) – Requirements from I/O for use with high performance memory

Shirley Ma (Oracle) – NFS over RDMA

DAX (Intel patch allowing direct access to local NVRAM without extra APIs) – Christoph to send links

<http://lwn.net/Articles/618064/>

<http://lwn.net/Articles/588218/>

**DS/DA Repositories**

- strawman proposal from DS/DA is to have a separate repository for kernel mode stuff

- DS/DA group will try to keep an eye on user mode OFI to ensure user space storage applications (e.g. byte addressable memory) to ensure the current APIs fully support.

Look in kernel directory, to find a bunch of information on how to write code for upstreaming to the kernel

Put kernel stuff on git kernel.org

Paul to send an invite Christoph to attend next week’s DS/DA meeting.

May be able to use existing github for demo purposes but plan to move it to kernel.org

**Release planning – Sean**

- tagged the head of the tree as rc1

- openfabrics.org under downloads, there are now tar files labeled as rc1

- biggest gap remains testing of the complete API itself

- rc2 probably in ~ 2 weeks

**How does this relate to existing OFED?**

- EWG looking at a release in the near future, how does this relate to that?

- OFED 3.18 going to rc1 or rc2 in about the same timeframe

- This means that OFI would be packaged together with OFED,

although in general OFI is not planned to line up with OFED releases

- take the OFI tarball, modify the install scripts, tested as part of the OFED release.

- there are 15-20 fabtests available today that could serve as the base for OFED release testing of OFI.

- the value would be to test libfabrics before it goes to the distros.

- EWG will begin looking at integrating OFI into OFED.

**IWG – Rupert Dance**

- trying to expose interop members to the existence of libfabrics, mainly an educational process at this point.

- next interop debug event tentatively scheduled for mid April. There is an opportunity for some interoperability debug testing.

**Future Agenda Topics:**

- should we move discussion of issues (currently on github) back to the OFI WG email list to increase exposure and participation?

- Interfaces and structures for reporting topology data

**OFIWG Download Site:** [www.openfabrics.org/downloads/OFIWG](http://www.openfabrics.org/downloads/OFIWG)

**Github:** <https://github.com/ofiwg/libfabric>

**Link to WebEx Recording:** [**Play recording**](https://cisco.webex.com/ciscosales/lsr.php?RCID=3df58a02ed954040a503377184b0f53c) (55 min 52 sec)

**Agenda for next meeting:**

- open Github issues

**Next regular telecon**

Next meeting: Tuesday, 2/10/15

9am-10am Pacific daylight time