**OFI WG Data Storage / Data Access Subteam Weekly telecom – 06/16/2015**

**OFIWG Download Site:** [www.openfabrics.org](http://www.openfabrics.org) 🡪OFED/OFA Resources 🡪 OpenFabrics Interfaces WG

**Agenda**

* roll call, agenda bashing
* Continue review of presentation for kernel maintainer(s)
* Lustre as a client?
* What companies are represented in the weekly meeting?

**Meeting representatives**

- Who attends these meetings?

- A – you can find an attendance list on the OFA downloads site.

- There really is no such thing as ‘membership’ in DS/DA since this is an open source group, but attendance is tracked for purposes of voting (if ever required).

**Review Stan/Frank’s presentation to support a near term discussion with a Kernel maintainer**

**(kfabric-framework.pptx**

- 1st slide

-Added a KOFI Mission Statement

-need to replace the expression ‘KOFI’ with kfabric.

-need to re-work the 2nd bullet (currently, “Migrate fabric I/F from device specific to higher level message passing semantics”)

- need to emphasize the fabric independent requirement

- need to wordsmith the last bullet (“coexist with current XXX interfaces” to reflect verbs, sockets, etc.)

- 2nd slide KFI framework

 - no change from last time, verbatim from Stan’s original proposal

 - consider removing the RDS provider stack, which won’t ever see the light of day

 - would be really nice if this were a Cray GNI provider…

- 3rd slide – KFI API

- Need a new slide that describes the relationship between kfabric and libfabric as stablemates under the OFI umbrella.

- Need another slide that explains and expands on the idea of ‘streamlined code paths’ as mentioned on the mission statement slide.

AR (ALL) – review the slide deck and suggest enhancements/improvements by email.

- Continue this discussion next week.

**Lustre as an initial client**

- What about the idea of using Lustre as an initial client?

- Writing an LND is a non-trivial exercise

- What about instead looking toward NVM toward the future?

- Two major clients so far – NVM, Lustre

- Linden brings up the idea of object storage.

- Stan – what about DAOS? Would this be a useful client? Traditional file I/O paradigms are well understood, whereas NVM and others are emerging.

- Lustre is in the process of being upstreamed, what about something like NFSoRDMA which is already upstreamed?

- Problem is that NFS is slow, even over RDMA. You would hit the performance issues by focusing on Lustre.

**Agenda for next meeting**

- Continue review of the kfabric-framework overview slide deck.

**Webex recording -** [**Play recording**](https://cisco.webex.com/ciscosales/ldr.php?RCID=0dfdde581ea3139aa76de590a7d9a650)

**Next regular telecom**

Next meeting: Tuesday, 6/23/15

8am-9am Pacific daylight time

**NOTE:** We have switched over to using Webex (courtesy of Cisco). The URL for joining meetings is:

<https://cisco.webex.com/cisco/j.php?J=200935598&PW=67935ad6df07030d5f05044a5b0f>