**OFI WG Data Storage / Data Access Subteam Weekly telecom – 06/02/2015**

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

**Agenda**

* roll call, agenda bashing
* Contributors’ agreement
* GitHub repo update – directory structure

**Contributors’ agreement**

- OFA is of the opinion that such an agreement is not required.

- Paul is pretty sure that such a thing exists in OFI. See the file ‘CONTRIBUTORS’ in the libfabric tree. We should use exactly the same thing in the kfabric tree.

AR – Paul & Jim R. – address the need for a contributors’ agreement.

**GIThub update – directory structure**

-Repo name will be kfabric, also the top level of the directory

- API naming: should it be kfi\_ or fi\_ or a hybrid (kfi\_ for providers and fi\_ for clients)?

- rationale: fi\_ exists already, adopting it will facilitate adopting as much of libfabric as possible, including a boatload of documentation.

- We can all agree to remove the option to use “fi\_” throughout, leaving us two options between which to choose.

- Does that imply that every function call etc from user space will be identical in kernel space?

A: no. it is ‘in the spirit of…’

- When developing a kernel function, it is often helpful to be able to develop the function in user space, possibly based on an equivalent user space function, then drop it into kernel space.

- Changes will have to be captured in the man pages, but kernel interfaces aren’t usually captured in man pages anyway, they are usually captured in the documentation directory. Instead of generating man pages, we would generate .txt files.

- How to resolve? Hopefully we can achieve consensus internally, while also considering input from the kernel maintainer (Doug Ledford).

- Kernel convention for documentation is .txt files. Man pages are out of the question, but can we start with the current .md files and convert those to .txt?

- The kernel convention is generally to document APIs in header files. Again, need to follow the guidance of the kernel maintainers.

- When to engage the kernel maintainers? We want to have things well thought out beforehand. How much educational material do we need to create beforehand, or does that education happen informally and on-the-fly?

- Stan volunteers to pull together a set of educational slides. Others willing to help should send Stan an email. (Paul volunteers)

- Framework files to be named kfabric.ko

- Test files: kfit\_xxx.ko or kfi\_test\_xxx.ko?

- kernel debugging tends to rely on DMSG and VAR log outputs, therefore want to minimize the number of characters to fit in a single terminal line.

- consensus: kfi\_test\_xxx.ko

- Providers: kfi\_xxx.ko or kfip\_xxx.ko

**Agenda for next meeting**

- Proposed directory structure for public GitHub repo.

**Next regular telecom**

Next meeting: Tuesday, 6/9/15

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>