**OFI WG Data Storage / Data Access Subteam Weekly telecom – 04/28/2015**

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

**Agenda**

* roll call, agenda bashing
* Continue review of key objects and methods – Stan Smith
* Next steps

**Next Steps**

- Should this group re-join the main group? Probably not.

- It seems that there may be curiosity within the main group about kOFI. One approach would be to bring the OFI WG up to speed on what we’re doing.

- kOFI should be implemented in the spirit of OFI, but not necessarily a slavish reproduction.

- kOFI absolutely requires a separate repository. the alternative is a massive number of ifdefs and potential confusion. A different operating environment, and different mechanisms by which stuff is pushed upstream.

- A proof of concept code exists within Intel, but there is no public GIThub repository available.

- There is a bit of resistance inside Intel to opening this up to open source. The good news is that there are plans to upstream this code.

- two options:

 - wait for Intel to decide whether to open source (or not)

 - proceed to ‘re-imagine’ the APIs based on what Stan has presented so far.

**KOFI – Data Transfer – Stan Smith.**

**See the complete slide set uploaded to the DS/DA architecture directory**

**http://downloads.openfabrics.org/downloads/ofiwg/dsda\_architecture/**

Remote Atomic Operations: Base atomic operations fi\_ops: FI\_MIN, FI\_MAX, FI\_SUM, FI\_PROD, FI\_LOR, FI\_LAND, FI\_BOR, FI\_BAND, FI\_LXOR…see the slides for the complete list.

When a local process attempts an atomic operation at the same time as a remote process, it is indeterminate which will execute first.

Furthermore, when a remote NIC performs an atomic operation at the same time as a local processor is attempting to update the same variable, the results are completely indeterminate.

Connection shutdown:

Close kOFI objects: All kOFI objects begin with a ‘struct fid’, synchronously close these objects.

**Agenda for next meeting**

* Next steps

**Next regular telecom**

Next meeting: Tuesday, 5/5/15.

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>