**OFI WG Weekly telecom – 06/09/2015**

**Agenda:**

* Roll call, agenda bashing
* Meeting frequency
* uverbs – what to do?
* Rsockets topic - Sean

**Meeting frequency – do we need to continue meeting on a weekly basis?**

- depth of topics requiring group discussion has tapered off significantly.

- do we want to continue to meet weekly, or reduce the frequency?

- bi-weekly meetings in other venues seem to work well.

- please send opinions offline

**Rsockets – Sean (no slides)**

- looking at porting rsockets over libfabric.

- rsockets is currently embedded as part of rdmacm

- pulling rsockets out gives the opportunity to do rdmacm v2

- no good way with sockets today to support async I/O; no way to post a receive buffer.

- suggestion (from suse?) to use something like FSYNC. This implies some changes from the application to take advantage of this. FSYNC becomes fairly heavy weight on the SEND side – if the sender does e.g. 10 sends in a row followed by FSYNC, it means that everything blocks until all 10 sends complete.

- but if that’s the case, why not just have a blocking send call?

- if we don’t have to stick with FSYNC, we could invent a synchronization mechanism that would allow us to be more selective about what gets blocked.

- quite a bit more problematic with RDMA READS where you don’t want to block waiting for the RDMA READ to complete.

- trying to avoid something like adding a completion queue, because that moves us into the realm of extended sockets.

- MPI has a similar problem; its solution may be applicable here…MPI defines a handle that can be requested on an operation-by-operation basis, or for some number of operations.

- Need to understand the implications on the user application of implementing something like this.

**uverbs discussion**

- uverbs is described as the user-to-kernel interface to allow user mode clients to access kernel services when needed.

- from the libfabric point of view, there isn’t anything needed beyond what is already provided by the verbs kernel interface

- these kernel interfaces are generally vendor specific

Webex link: <https://cisco.webex.com/ciscosales/j.php?MTID=m9389b0513c9ae643d57e2381e254dcf5>
Webex password: ofi

**Future Agenda Topics:**

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

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

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

**Link to WebEx Recording** - [**Play recording**](https://cisco.webex.com/ciscosales/lsr.php?RCID=321183be6c1e417a933cc19018360172)

**Next regular telecon**

Next meeting: Tuesday, 6/6/15

9am-10am Pacific daylight time