**OFI WG Bi-Weekly telecom – 05/03/2016**

**Agenda:**

* Roll call, agenda bashing
* 1.3.1 bug fix release?
* Suggested ways to implement wait support with a shared memory provider

**1.3.1 Bug Fix Release**

* Found one issue in the GNI provider, and also found some MPICH weirdness, both of which should probably be put in the latest release sooner rather than later.
* Possibly sometime in the next four – six weeks.
* Typical schedule would have a release at end of June, could be 1.3.1 or 1.4 depending on whether it’s new features or just bug fixes, so probably not worth doing an interim bug fix release.
* Sean will be out much of July and August. So we should probably start planning for near-term releases.
* Would like to see issue with FI\_DIRECT fixed (currently requires disabling all other providers.
* In preparation. Need to put an agenda item for the next meeting to review open issues.

**Implementing a wait semantic with a shared memory implementation**

* How to wait, as opposed to spinning?
* The strategy is to enqueue a message using the normal shared memory mechanism, the receiver sets a flag right before he goes to sleep and clears it when he wakes up, the sender checks that flag. There are some details that need to be through.
* Do mechanisms like this scale up to large numbers of cores? E.g. Phi has a large number of cores.

**Redesign occurring for Linux RDMA kernel interfaces that are exposed to User space**

* Current user space ABI is going to be broken – moving toward an IOCTL-style interface.
* Currently, the user to kernel interface is based on verbs; this is a more generalized approach.

**Next Agenda:**

* Review the list of open issues
* Re-review shared memory wait implementation, see if any brainstorms have occurred.

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**Next regular telecon**

Next meeting: Tuesday, 5/17/15

1pm – 5pm Pacific daylight time

Marriott Monterey, San Carlos Room

Bridge to be provided