**OFI WG Weekly telecom – 02/24/2015**

**Agenda:**

* Fabtest help, porting of librdmacm / libibverbs tests
* Coverity cleanups
* Input/reviewers for OFI presentation
* Technical issues
	+ AV remove/insert behavior
	+ EP shutdown/close flushing pending operations
	+ Ordering discussion lives again!
	+ Remote CQ data consuming receive buffer
	+ Debug support (log-levels)

**Fabtests help**

The OFIWG co-chair begged for help developing test apps.

**Debug support**

Debug limited to fast path operations. Logging always enabled.

Can identify logging per sub-system, with levels per system. Logging identified by string – used by OMPI and Lustre. Maybe define up to 3-5 levels.

OMPI uses case sensitive code to distinguish between debug versus release code.

Subsystems – core + each provider at a minimal level. Breakdown further into different object-levels – e.g. all memory registration.

Question regarding use of systemtap.

Need to ensure that output easily identifies where the output came from. E.g. subsystem and level.

LANL can help look at defining this, but is concerned about using this feature at scale. Sean will work with Howard on this.

**EP shutdown behavior**

ES implementation wants notification that an EP will no longer generate completions on a CQ – i.e. some sort of disconnect event.

No one is indicating that they need all buffers returned when an EP is shutdown.

Bernard is not wanting to use the CQ for connection events. OFI separates control and data events to different queues.

May be possible to write a user event into the CQ to unblock the thread.

Cray HW returns busy until all outstanding transfers complete, but does not have the concept of user posted receive buffers.

**Remote CQ data consuming receive buffer**

Need to know if HW will consume the buffer or not. If they are not necessary, then the user does not need to post the buffers. Will continue discussion of this next wee.

**Future Agenda Topics:**

* Interfaces and structures for reporting topology data
* Reviewers for OFI presentations
* Technical issues
	+ AV table insert/remove behavior

**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**

**Next regular telecon**

Next meeting: Tuesday, 3/3/15

9am-10am Pacific daylight time