**OFI WG telecon – 10/24/2017**

**Agenda:**

* Libfabric support for librpmem library
* Shared memory provider for libfabric
* Brief mention of SC17

**SC-17**

* BoF is set up okay, except for HPx.
* Six lightning talks setup, including HPx
* C++ discussion led by Chris Taylor

**Libfabric support for librpmem**

* See Sean’s slides from August: <http://downloads.openfabrics.org/WorkGroups/ofiwg/persistent%20memory/ofi-pmem.pptx>
* Slides showing an API proposal, focusing on the current enha
* Add capability bit to FI\_GETINFO: FI\_RMA\_PMEM
* Add an access flag to Mem Registration to indicate that PM is being registered: FI\_RMA\_PMEM
* Add the (long planned) fourth completion semantic: adds a new flag ‘FI\_COMMIT\_COMPLETE’
	+ If target region is persistent, completion indicates data is durable
	+ Requires CPU instructions to force a flush of the cache

**Shared memory provider**

* Slides originally presented by Sean a year or more ago
* Sean to contact Alexia Ingerson (libfabric developer at Intel) working on shared memory provider to ask for an update – likely on 12/5.
* Original implementation is upstream, PR to add tagged message support is out there.
* Uses CMA for large transfers, for small transfers it does direct copies.

**Recordings:**

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| Tuesday, October 24, 2017 |
| 12:14 pm  |  Eastern Daylight Time (New York, GMT-04:00) |

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| [**Play recording**](https://cisco.webex.com/ciscosales/lsr.php?RCID=86393a070eb0463a831704e61c218512) (11 min 33 sec) |
| Recording password: Qm337632 |  |
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**Webex link:** See the OFA central calendar for meeting logistics. <https://openfabrics.org/index.php/ofa-calendar.html>

**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)

**Next regular telecon**

Next meeting: Tuesday, 8/29/17

9am – 10am Pacific daylight time