**OFI WG telecon – 12/05/2017**

**Agenda:**

* Shared memory provider (currently under development) – Alexia Ingerson
* How to handle stable branches? – Sean
* SC-17?

**SC-17 - Sean**

* Not a lot of feedback, either good or back
* Presentations went well
* People wanted to think more about Chris Taylor’s proposal for C++ standardization
* This may be something we want to take up here in OFIWG

**Shared memory provider – Alexia Ingerson**

**Slides posted to: http://downloads.openfabrics.org/WorkGroups/ofiwg/ofi\_architecture/fi-shm\_2017.pptx**

* Concepts originally presented by Sean a year or more ago
* 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.
* SHM Primitives
	+ smr\_region
	+ smr\_cmd
	+ smr\_resp, smr\_inject\_buf, smr\_addr, smr\_map
* SMH Utilities
	+ smr\_create
	+ smr\_map\_create
	+ smr\_map\_add
	+ smr\_map\_to\_region
	+ smr\_map\_to\_endpoint
* SHM Provider
	+ Three message protocols
	+ Only supports DGRAM, only messaging and tagged support
	+ RMA and atomic support in progress
	+ Aim is to get full support working for MPI
	+ smr\_src\_inline for small messages
	+ smr\_src\_inject for medium messages
	+ smr\_src\_iov doe large messages
* Completion handling
	+ Small messages complete immediately,
	+ CMA for large messages is disabled on non-linux platforms

**Handling Stable Branches – Sean**

* Suggestion is to put a label in the commit message that the patch is a candidate for a stable release
* Essentially it’s a message to the maintainer to identify the branches to which a patch should be applied, rather than create a unique PR
* General agreement, expect some further discussion on the email reflector to solidify agreement.

**Next meeting**

* Discuss Chris Taylor’s C++ Standardization Proposal

**Recording:**

|  |
| --- |
| **Every 2 week OFIWG/libfabric meeting-20171205 1703-1** |
| Tuesday, December 5, 2017 |
| 12:03 pm  |  Eastern Standard Time (New York, GMT-05:00) |

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |
| --- |
| [**Play recording**](https://cisco.webex.com/ciscosales/lsr.php?RCID=44fbec89e38e4f139eb0351c3853f584) (51 min 50 sec) |
| Recording password: dTPjigM3 |  |

 |

**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, 12/19/17

9am – 10am Pacific daylight time