**Agenda**

* Agenda bashing
* OFA Workshop f-2-f agenda planning
* Complete review Sean’s summary of MPI requirements
* Distro requirements

**OFWG Download Site:** [www.openfabrics.org](http://www.openfabrics.org) 🡪OFED/OFA Resources 🡪 OpenFabrics Interfaces WG

**Monterey Agenda**

**Introductions**

**Library structure** (what goes in the API, what goes in the provider layer)

Review existing libfabrics strawman

Begin by understanding the existing libfabrics structure strawman. Probably does not need to drill down to the .h file level, still a concept discussion, the role of libfabrics.

Mapping the framework onto a service provider (Cray)

Some results in mapping libfabrics to a provider, overlaps with the lib structure, may cast light on the structure of the proposed library.

Alternate approaches - Mlnx may want to present an alternative approach as part of this discussion

Bin List

Preliminary discussion on Structured Data applications (Oracle)

Backwards compatibility with verbs, are we going to include new verbs stuff?

The OFA EWG is interested in this; it is a natural extension to a discussion begun earlier in the OFI WG and probably flows from the Library Structure discussion planned for Monterey. We will likely want to defer this to a later meeting, since it will require significant discussion. Late spring f-2-f?

User mode TCP (Liran)

Cover common architectures of sockets re; open on-load vs sdp vs rsockets…more about control-based operations (vs datapath operations covered previously).

Approaches for APIs for storage (Liran)

MLNX will be presenting “accelio” at the workshop (based on discussions with the storage community); MLNX is proposing to have its presenter come discuss storage semantics. A good introduction to the storage and data access topic.

We can decide whether any given bin list topic is brief enough to fit into the 2 hour slot, or if there is a compelling reason to address the topic at the f-2-f (e.g. MLNX accelio presenter will be available to us at the workshop).

**Monterey F-2-F logistics**

Monday, 3/31/14, 7:00 – 9:00PM

Dial-in logistics to be provided.

Minutes will be taken and distributed as per normal after the meeting.

This is an OPTIONAL meeting, meaning that attendance (or not) DOES NOT count for working group participation.

**Continuing Sean’s summary of MPI Requirements – see slide deck 2014-03-19-ofiwg-mpi-req.pptx**

A summary from the OFI WG fed back to MPI

Slide 7

* Immediate data expansion – minimum = 64 bits, but supporting more may be a challenge, or possibly include an SGL for arbitrary data size.

Slide 8

* Added FI\_BUFFERED\_SEND flag to support immediate reuse of buffers

Slide 10

* Added support for scatter/gather lists for sends with IOV format (struct iovec, struct fi\_iomv)
* Atomics – proposal will be to define a complete set of atomic operations, and query mechanisms to determine provider support.

Slide 11

* Must support multiple providers

Slide 12

* Add support for active/passive endpoints, CM operations (connect, listen, accept)
* Maintain the concept of memory protection by exposing protection keys and increasing the key size.

Slide 13

* Improved ‘wait’ semantics

Slide 14

* MTU – no such attribute defined yet, not sure where to fit this in.
* Use an administrative interface for timeouts; kernel support for long timeouts

Slide 15

* Non-blocking operations: to address address handle creation - address vector operation is asynchronous; to address the request for communication setup/teardown - CM operations are asynchronous

Slide 17

* “QP” – define endpoints with send and/or receive capabilities. Some abstraction is needed for reliable connected services.

Slide 18

* Completing RDMA writes at the target: MR may be associated with an event queue, support event generation against MRs, fid\_mr – memory regions have operations

(stopping here)

**Next meeting**

f-2-f in Monterey – Sean will send out a dial-in number and Lync meeting invite.

**Next regular telecom**

**4/1/14 meeting is cancelled due to OFA meeting in Monterey**

Next meeting: Tuesday, 4/8/14

9am-10am Pacific daylight time

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