**Agenda**

* Accelio as a model for libfabric (Liran Liss)
* Next steps (Paul, Sean)

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

**Next steps**

To continue making progress, it would be desirable to map out at least some of the key architectural elements remaining to be addressed (we have already looked at, but not necessarily concluded, ordering, callbacks and progress). To identify the most obvious ‘line-of-sight’ issues, we plan to devote a meeting (likely 5/27) to brainstorming. To support that effort, Sean is planning to refresh the current object architecture and present it at the next meeting (5/20) with the thought that we can use the currently defined classes and the methods associated with each class as a starting point. The goal of the next two meetings is to identify open issues, not necessarily to solve them on the spot (that’s the next step).

**Fabric Interface Architecture – 2014-05-20-fi-arch.pptx**

Slide 2 – Do we have the right:

* Do we have the right objects?
* Do they have the correct relationships?
* Interface synopsis
* Architectural Semantics?

Slide 3 – An object represents a collection of attributes and interfaces

Slide 4 – Conceptual Object Hierarchy

* Base object = Fabric Descriptor which spawns the following types of objects:
  + Fabric, Domain,
  + Address Vector – a condensed format to support scalability
    - Map type, Index type
  + Endpoint – 3 examples
    - Message – both active and passive message objects
    - Datagram
    - Reliable Datagram
  + Event Queue
    - CQ (completion)
    - CM for connection management
    - Address vector queues
    - Domain
  + Counter for reporting a count of events
    - Should this be a property of an event queue?
  + Memory Region
  + Interfaces

Slide 5 – Object Scope

* A Domain Object ‘contains’ Address vector objects, Active Endpoint objects, Event Queues objects, Counters objects, Memory Region objects
* Presumably, there needs to be e.g. an object that contains all EQs?
* Interfaces object?
  + Intended primarily for vendor use
* Active EP - Is it necessary to separate send queues from receive queues?
* Handling shared buffers on the receiving side?
* Separate type of service (connected, unconnected) from function (msg, datagram, tag matching)
* Separate the transport level objects from how buffers are linked to it.
* How do you get new objects

Slide 6 – Fabric object

* Single IB or RoCE subnet, IP network, Enet subnet
* Aggregates multiple NICs/ports
* Contains topology information
* Determine native addressing
  + GID/LID versus IP

**Agenda for next meeting**

5/27 – Continue review of the current object architecture

6/3 – Oracle: requirements

**Next regular telecom**

Next meeting: Tuesday, 5/27/14

9am-10am Pacific daylight time

**NOTE: We have shifted over to using WebEx. Please let us know if you don’t have the new meeting invitation.**