**OFI Data Storage / Data Access Subteam Weekly telecom – 02/02/2016**

**DS/DA Shared Documents:** <http://downloads.openfabrics.org/WorkGroups/ofiwg/>

**Agenda**

* roll call, agenda bashing
* proposed DS/DA sessions for the workshop
* kernel maintainer slides

**DS/DA Sessions for the OFA Workshop**

* currently contemplating two sessions; one on kfabric, and one specifically on NVM
* “OFI: Data Storage / Data Access in a World of NVM”

**Kernel maintainer slide deck – kfabric-maintainer discussion\_2016\_0201.pptx**

* Slide 7 – what is meant by ‘connections’? Doesn’t refer to the process of connecting, rather it refers to what is happening between the endpoints.
* Slide 12 –
  + include NVMe/F in the same box as SRP, iSER, NFSoRDMA
  + change the dotted line to kverbs to a solid line
  + change the color of the lines connecting to kfabric to green
  + on the local access side, don’t extend the kfabric box to include memory bus accesses
  + Major distinction between local memory access and remote;
  + For the local case:
    - uses memory semantics (loads and stores), and
    - therefore the CPU does not stall waiting for a response, and
    - therefore memory accesses are Uniform (UMA).
  + For the remote case:
    - Use I/O operations, not loads and stores, and
    - Therefore the CPU would stall waiting for a network response if L/S was used,
    - Therefore memory accesses a Non Uniform (NUMA)
* Slide 30, 31 (local, remote access)
  + Continuing to struggle with the distinction between local byte addressable memory sited on a memory channel but accessed via the I/O stack, and local byte addressable memory also sited on a memory channel but accessed via load/store operations.
  + The distinction is that in the former case, the memory could be sited locally or remotely (since it is accessed as I/O) in a NUMA fashion, whereas in the latter case it isn’t practical to execute load/store operations over a fabric.

**Webex Recording:** [**Play recording**](https://cisco.webex.com/ciscosales/ldr.php?RCID=6813f0a00557c6c3936f5ea3bee6f161)

**Next regular telecom:**

Next meeting: Tuesday, 2/9/16

8am-9am Pacific daylight time

**NOTE:** We have switched over to using Webex (courtesy of Cisco). The URL for joining meetings is:

[Join WebEx meeting](https://cisco.webex.com/ciscosales/j.php?MTID=m221d8a20185d84b30daa0096aca0f182)

**Join by phone**

+1-866-432-9903 Call-in toll-free number (US/Canada)

+1-408-525-6800 Call-in toll number (US/Canada)

Access code: 201 212 241