**OFI Data Storage / Data Access Subteam Weekly telecom – 07/28/2015**

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

**Agenda**

* roll call, agenda bashing
* kfabric intro slidedeck
* user mode I/O
* NVM usage models

**slide deck – kfabric-framework\_2015\_0707.pptx**

- Slide 7 (new) – breaks NVM down into two basic categories – local access, remote access

- The suggestion is to recast this slide into ‘block storage’ vs ‘memory access’.

- The idea is that both block storage accesses and memory accesses have local and remote components.

- Slide 6 – added new sub-bullet – “ibverbs cannot be used to directly access NVM

- Slide 8 – changed ‘New Providers’ to ‘NVM Provider’.

 - the problem with that is that it’s not clear that all uses of NVM will fall under a single provider.

 - At least some of us think of the ‘provider’ as being the transport specific implementation of the API. Not clear that all ‘NVM’ will execute over an arbitrary transport in the same way (a single provider).

 - NVM over Fabrics is a consumer of the kfi API and therefore resides above the kfi API.

- Slide 9 – needs a little wordsmithing on the last paragraph, last sentence.

- Slide 11 – GitHub, Repo directory structure – Frank to try to fill this out.

 - Do we want to assume this goes ‘in-kernel’? Baby steps by living within the drivers framework? Does it belong as part of the network part of the kernel tree?

- Do we have consensus among us as to where this belongs in the kernel?

 - under the network stack?

 - under the driver stack?

- Consensus is that kfi should be part of the network stack since it presents an abstract network interface to the consumer.

 - for example, verbs (as a provider) is at the driver level below the network subsystem.

**Agenda for next meeting**

- Continue developing the slide deck

- SC15 BoF?

**Webex Recording:** [**Play recording**](https://cisco.webex.com/ciscosales/ldr.php?RCID=c9aae1b901d30e34e32d37723dfed483)

**Next regular telecom:**

Next meeting: Tuesday, 08/04/15

8am-9am Pacific daylight time

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

<https://cisco.webex.com/ciscosales/j.php?MTID=m68f7fe26d65ee019c5870bc424875838>

**Join by phone**

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