**OFI WG Data Storage / Data Access Subteam Weekly telecom – 05/05/2015**

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**Agenda**

* roll call, agenda bashing
* Next steps

**Next Steps**

- Frank – logical thing is to start with a code base and start working on it.

- Stan – Intel currently reluctant to release code into open source; political winds are hard to predict.

- Stan – suggests nevertheless that we embark on creating a code base, by taking the OFI 1.0 defnitions to fit within the kernel context. Working code for an RDS provider + some test programs, 40% IB provider (passes buffered RDMA messages).

- Frank – start with a GitHub repo and start writing. Frank agrees to take on the role of maintainer, Stan willing to help, but doesn’t have the cycles to contribute 100%.

AR Frank – start poking around GitHub.

- Stan – suggest starting with the existing man pages, including a succinct definition of what kOFI wants to be.

- Frank – start by copying OFI? Or start clean?

- Stan – Start clean. We’ve walked down this path before and discovered that the methods are sufficiently different that starting from existing is problematic.

- Frank – let’s start with the framework, once in place we can start with the providers

- Paul – What about a sockets provider?

- Stan – Sure, but what client would use it? What about a Verbs provider to run over IB or iWARP.

- Paul – perhaps we should start by identifying a workable client?

- Stan – yes, but writing an LND for kOFI is non-trivial. But there is an existing sockets LND.

- Bernard – doesn’t see a real use for a socket client. Would rather see e.g. NFSv4 or iSER. There are only a handful of kernel client implementations today, why bother with sockets?

- Stan – flip this around? What about NVM? True that it involves hardware, but it’s an interesting use case.

- Bernard – IBM has an implementation, but it’s over Verbs today, not kOFI (because there is no kOFI yet). It’s possible that it could be placed into open source – need to work the IBM red tape.

- Stan – could take that kernel module that interacts with verbs and re-wire it to use kOFI.

- Frank – most people agreeing that a sockets and a verbs provider are good places to start.

- Stan – start with Man pages, then clone the header files as a base, then start working on the framework interfaces.

- Frank – when do we talk about pushing upstream to kernel.org?

- Stan – not before we have a viable client who would consume this stuff. Probably at least a year away.

- Frank – back to GitHub

- Stan – what do the kernel maintainers think, should this be merged with IB? Above or below verbs? Let’s plan to invite the new RDMA subsystem maintainers in once we have the semblance of a structure in place to bears a useful discussion.

**Agenda for next meeting**

* Review GitHub plans

**Next regular telecom**

Next meeting: Tuesday, 5/12/15.

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/cisco/j.php?J=200935598&PW=67935ad6df07030d5f05044a5b0f>