**Agenda**

* Fabric interfaces information structure: struct fi\_info / fi\_getinto()

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Requested details for face to face – location and dates.

Paul Grun and LANL participants indicated that the week of Sept. 8-12 does not work for them.

**Fi\_info details**

* A low-level detailed description of the struct fi\_info was given. This structure, along with the fi\_getinfo() call, is the basis for querying providers for capabilities and specifying the operations needed by the application.
* Chris L : A question was asked regarding how multicast worked. Multicast join/leave operations have been defined, but further details have not been defined or worked out. The libfabric proposal should be considered a framework that is still in development at this point. It is not complete.
* Alan J: Asked about resolving multiple nodes (e.g. hostnames) with fi\_getinfo. The address vector is intended to handle resolving multiple remote addresses and hostnames. Fi\_getinfo is focused on identifying the local domain (NIC) needed to reach a specific address. Fi\_getinfo allows an application to specify a source address. More discussion is needed to determine if fi\_getinfo should expand to support multiple nodes, if a new call should be added, or if the proposed solution is acceptable.
* Chris L: Need to add raw ethernet as a protocol option. This is a trivial addition to the protocol list, but we need to understand if it impacts any other areas and how.
* Chris L: Concerned that complex data structures may limit performance. Fi\_info is not intended for use within the data path. The data transfer interfaces (send, write, recv, etc.) mostly avoid the use of data structures, except for ‘msg’ operations (sendmsg, readmsg, etc.). Initialization does involve more complex structures, as it defines the mechanism by which the provider is informed of the application’s usage model.
* Liran: Questioned why size (fi\_info) and mask fields (other structs) were used for structures, rather than just selecting one option. The mask concept was pulled from the extended verbs format. The use of the size in fi\_info should be re-examined. And we should determine if the mask field is ideal, given that backward compatibility is not a requirement. Structure versioning may be enough.

**Agenda for next meeting**

7/22 – Continue detailed review of control interfaces