

2006 OpenIB Workshop

DAPL BOF



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Agenda

- DAT Collaborative weekly meeting information
- DAPL 2.0 Improvements
- Timeline
- Extensions
- Transport Independent CM
- Plugfest?
- IBTA IP Address Services Annex

DAPL 2.0

- Socket based CM for iWARP (uDAPL and kDAPL) - in the spec draft
 - Socket Service Point over already connected stream socket
- API safety for interrupt and UpCall handler usage and blocking definitions (kDAPL)
- Provider library UpCall and interrupt safety
 - in the spec draft
- Private data for rejection (uDAPL and kDAPL)
 - in the spec draft

DAPL 2.0

- RMR Context specification for RDMA Read data sink instead of LMR Context (uDAPL and kDAPL)
 - in the spec draft
- Operation type of completed DTO in completion event (uDAPL and kDAPL)
 - in the spec draft
- Consumer specified physical page size for memory registration (kDAPL)
 - in the spec draft

DAPL 2.0

- 0-based Virtual Addressing for LMR (uDAPL and kDAPL)
 - in the spec draft
- Fast memory registration for physical memory pages (kDAPL)
 - in the spec draft
- Remote RMR_context invalidation (uDAPL and kDAPL)
 - in the spec draft

DAPL 2.0

- Reserved LMR for host physical addresses (kDAPL)
 - in the spec draft
- Endpoint scoped RMR memory protection (uDAPL and kDAPL)
 - in the spec draft
- UpCall notification without event policy (kDAPL)
 - in the spec draft

DAPL 2.0

- Indicator whether or not private data was truncated (uDAPL and kDAPL)
 - in the spec draft
- Clarification for SRQ buffer allocation to EPs (uDAPL and kDAPL)
 - in the spec draft
- Clarification of RDMA length transfer size and error behavior (uDAPL and kDAPL)
 - in the spec draft

DAPL 2.0

- LMR_handle for RMR_bind (uDAPL and kDAPL)
 - in the spec draft
- API safety for signal and exception handler usage and blocking definitions (uDAPL)
 - in the spec draft
- OS indepent waiter unblocking (uDAPL)
 - in the spec draft

DAPL 2.0

- HA features (uDAPL and kDAPL)
 - NOT in the spec draft
- OS wait proxy (uDAPL and kDAPL)
 - NOT in the spec draft
- errata (uDAPL and kDAPL)
 - NOT in the spec draft
- immediate data (uDAPL and kDAPL)
 - NOT in the spec draft

DAPL 2.0

- backwards compatibility doc
 - NOT generate yet
- CM for IP (uDAPL and kDAPL)
 - NOT in the spec draft
- DAT extensions (and atomic support) (kDAPL and uDAPL)
 - NOT in the spec draft
- Mapping for iWARP errors (uDAPL and kDAPL)
 - NOT in the spec draft