kDAPL

(kernel-level Direct Access Programming Library)

Rev 1.7.0

kDAPL Release Notes

Document Number:

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1 OVERVIEW

This document describes the contents of the kDAPL (kernel-level Direct Access Programming Library) Rev 1.7.0 release. The kDAPL standard defines a single set of kernel level APIs for all RDMA-capable transports.

For supported platforms and operating systems, please refer to the *Mellanox IB Gold Distribution Release Notes*.

This document includes the following sections:

- "Software Dependencies" (page 3)
- "Major Features" (page 3)
- "Known Issues And Unsupported Features" (page 4)
- "Fixed Bugs" (page 4)
- "Main Verification Flows" (page 4)

2 SOFTWARE DEPENDENCIES

kDAPL depends on the installation of the IB Gold Distribution stack with OpenSM running. It also depends on the IPoIB module that is part of that stack.

3 MAJOR FEATURES

For a list of kDAPL features, please refer to revision 1.1of the kDAPL specification available for downloading from http://www.datcollaborative.org.

4 KNOWN ISSUES AND UNSUPPORTED FEATURES

The following table lists currently known issues and unsupported compliancy features.

Table 1 - Known Issues And Unsupported Compliancy Features

Flow	Compliancy	Description
dapl_lmr_kcreate	6.6.3.1	Currently, only DAT_MEM_TYPE_VIRTUAL and DAT_MEM_TYPE_IA are supported.
kDAPL is not supported on IA64 and X86_64		
kDAPL is not supported on the AMD-760 MP [IGD4-2P] 32-bit processor		

5 FIXED BUGS

None. This is the first release.

6 MAIN VERIFICATION FLOWS

In order to verify the correctness of kDAPL, the following tests and parameters were run.

Table 2 - Verification Tests

Test	Description	flags
kdapltest from SourceForge (Included in the IBGD package)	send/receive, RemoteRead, RemoteWrite. Multiple Threads, Multiple eps per Thread.	