uDAPL

(user Direct Access Programming Library)

Rev 1.7.0

uDAPL Release Notes

Document Number:

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1 OVERVIEW

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

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

This document includes the following sections:

2 SOFTWARE DEPENDENCIES

uDAPL 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 uDAPL features, please refer to the rev. 1.1 of the uDAPL 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
IP aliasing (multiple IP addresses per IPoIB NIC)		Not Supported

5 FIXED BUGS

Table 2 - Known Issues And Unsupported Compliancy Features

Flow	Description	Found in
Abnormal termination cleanup	May not finish successfully, may finish with a core dump	1.6.0
Added support for shared memory regions		1.6.0
Fixed to DAPL EVD_resize		1.6.0
Improved the flows of DAPL EVD_wait and DAPL EVD_dequeue		1.6.0

6 MAIN VERIFICATION FLOWS

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

Table 3 - Verification Tests

Test	Features Tested
udapltest from SourceForge (Included in the IBGD package)	Send/receive, Remote Read, Remote Write, Multiple Threads, Multiple eps per Thread.
crload	Multiple senders/receivers, multiple processes, multiple connections, killing of multiple processes and connections