

Mellanox NATIVE ESXi iSER Driver for VMware vSphere 6.5

Release Notes

Rev 1.0.0.1

NOTE:

THIS HARDWARE, SOFTWARE OR TEST SUITE PRODUCT (“PRODUCT(S)”) AND ITS RELATED DOCUMENTATION ARE PROVIDED BY MELLANOX TECHNOLOGIES “AS-IS” WITH ALL FAULTS OF ANY KIND AND SOLELY FOR THE PURPOSE OF AIDING THE CUSTOMER IN TESTING APPLICATIONS THAT USE THE PRODUCTS IN DESIGNATED SOLUTIONS. THE CUSTOMER’S MANUFACTURING TEST ENVIRONMENT HAS NOT MET THE STANDARDS SET BY MELLANOX TECHNOLOGIES TO FULLY QUALIFY THE PRODUCT(S) AND/OR THE SYSTEM USING IT. THEREFORE, MELLANOX TECHNOLOGIES CANNOT AND DOES NOT GUARANTEE OR WARRANT THAT THE PRODUCTS WILL OPERATE WITH THE HIGHEST QUALITY. ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT ARE DISCLAIMED. IN NO EVENT SHALL MELLANOX BE LIABLE TO CUSTOMER OR ANY THIRD PARTIES FOR ANY DIRECT, INDIRECT, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES OF ANY KIND (INCLUDING, BUT NOT LIMITED TO, PAYMENT FOR PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY FROM THE USE OF THE PRODUCT(S) AND RELATED DOCUMENTATION EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.



Mellanox Technologies
350 Oakmead Parkway Suite 100
Sunnyvale, CA 94085
U.S.A.
www.mellanox.com
Tel: (408) 970-3400
Fax: (408) 970-3403

© Copyright 2017. Mellanox Technologies Ltd. All Rights Reserved.

Mellanox®, Mellanox logo, Accelio®, BridgeX®, CloudX logo, CompustorX®, Connect-IB®, ConnectX®, CoolBox®, CORE-Direct®, EZchip®, EZchip logo, EZappliance®, EZdesign®, EZdriver®, EZsystem®, GPUDirect®, InfiniHost®, InfiniBridge®, InfiniScale®, Kotura®, Kotura logo, Mellanox CloudRack®, Mellanox CloudXMellanox®, Mellanox Federal Systems®, Mellanox HostDirect®, Mellanox Multi-Host®, Mellanox Open Ethernet®, Mellanox OpenCloud®, Mellanox OpenCloud Logo®, Mellanox PeerDirect®, Mellanox ScalableHPC®, Mellanox StorageX®, Mellanox TuneX®, Mellanox Connect Accelerate Outperform logo, Mellanox Virtual Modular Switch®, MetroDX®, MetroX®, MLNX-OS®, NP-1c®, NP-2®, NP-3®, Open Ethernet logo, PhyX®, PlatformX®, PSIPHY®, SiPhy®, StoreX®, SwitchX®, Tiler®, Tiler logo, TestX®, TuneX®, The Generation of Open Ethernet logo, UFM®, Unbreakable Link®, Virtual Protocol Interconnect®, Voltaire® and Voltaire logo are registered trademarks of Mellanox Technologies, Ltd.

All other trademarks are property of their respective owners.

For the most updated list of Mellanox trademarks, visit <http://www.mellanox.com/page/trademarks>

Table of Contents

Document Revision History	5
1 Overview	6
1.1 Content of MLNX-NATIVE-ESX-ISER Driver Package	6
1.2 Prerequisites.....	6
2 Changes and New Features in Rev 1.0.0.1	7
3 Known Issues	8

List of Tables

Table 1: Document Revision History	5
Table 2: Changes and New Features	7
Table 3: Know Issues	8

Document Revision History

Table 1: Document Revision History

Revision	Date	Description
Rev 1.0.0.1	July 18, 2017	Initial version of this Mellanox NATIVE ESXi iSER Driver for VMware vSphere 6.5 release.

1 Overview

These are the release notes of Mellanox NATIVE ESXi iSER Driver for VMware vSphere 6.5.

1.1 Content of MLNX-NATIVE-ESX-ISER Driver Package

ESXi 6.5: MLNX-NATIVE-ESX-ISER_1.0.0.1-10EM-650.0.0.4598673.zip- bundle contains the following kernel module:

- iser

1.2 Prerequisites

Mellanox NATIVE ESXi iSER Driver for VMware vSphere 6.5 requires the following drivers to be installed.

Adapter Cards	Version	Drivers
ConnectX-3/ConnectX-3 Pro	3.16.0.0 or above	<ul style="list-style-type: none">• nmlx4-core• nmlx4-en• nmlx4-rdma
ConnectX-4/ConnectX-4 Lx/ConnectX-5/ConnectX-5 Ex	4.16.0.0 or above	<ul style="list-style-type: none">• nmlx5-core• nmlx5-rdma

2 Changes and New Features in Rev 1.0.0.1

Table 2: Changes and New Features

Operating System	MLNX NATIVE ESX ISER v1.0.0.1 added support for ESXi 6.5 OS.

3 Known Issues

Table 3: Know Issues

Internal Reference	Issues
655369	Description: Manual unload and reload of the mlx4/mlx5 low-level drivers may cause iSER to stop functioning.
	Workaround: N/A
	Keywords: mlx4/mlx5 low-level drivers, upload, reload
667170	Description: Rescanning vmhbas while creating and deleting targets may freeze the scan.
	Workaround: N/A
	Keywords: vmhbas rescanning
655478	Description: The iser module is not loaded at boot.
	Workaround: Run “esxcli rdma iser add” after boot to load the iser module.
	Keywords: iser module, booting