

iSCSI Adapter Driver and IMA Plug-in for VMware ESX and ESXi 4.1.x

QLogic Corporation
All rights reserved

Table of Contents

- [1. Version](#)
- [2. Changes](#)
- [3. Bug Fixes](#)
- [4. Known Issues](#)
- [5. Additional Information](#)
- [6. Trademarks](#)
- [7. Notices](#)
- [8. Contacting Support](#)

1 Version

These release notes describe the changes, fixes, known issues, and release details that apply to the QLogic iSCSI Adapter qla4xxx driver for VMware ESX and ESXi 4.1, version 524-01-29vmw and iSCSI Management API (IMA) plug-in v2.01.15.

2 Changes

The following changes have been made between iSCSI Adapter driver versions 5.01.00.vm1 and 524-01-29vmw and IMA plug-in versions v2.00.26 and v2.01.15 for ESX and ESXi 4.1.x.

Hardware Support

Added support for 8200 Series Converged Network Adapters (10Gb iSCSI).

OS Support

None

Software Components

iSCSI Driver

- Improved process display of driver runtime information.
- Added support for modifying module parameter.
- Added support for asynchronous-PDU-based device discovery.

- Added support for LUN change notification by Unit Attention.
- Added support to send dynamic LUN change to GUI.
- Increased asynchronous event notification queue depth to handle MAX_TARGETs.
- Registered the generic MSI handler to the PCI subsystem.

IMA Plug-in

- Increased possible number of LUNs reported to 2049.
- Added support for 8200 Series Adapters.
- Added new VS API call to allow calling applications to force plug-in data refresh:

```
// forceRefresh=IMA_TRUE, then force refresh of data,  
// forceRefresh=IMA_FALSE, will refresh data only if update interval exceeded  
IMA_API IMA_STATUS IMA_VS_RefreshPlugInData(IMA_OID pluginOid, IMA_BOOL  
forceRefresh);
```
- Added feature to determine library plug-in version information with the following command:

```
$strings libqima4xxx.so | grep "\$Id:"
```
- Added internal QLogic IMA plug-in logging feature for IMA plug-in and iSDMAPI, which is activated by creating a file with the following path: `/etc/ql_ima.cfg`.

Industry Standards Compliance

N/A

3 Bug Fixes

Initial Release

4 Known Issues

8200 Series Converged Network Adapters do not support operation in mixed interrupts mode. If the iSCSI driver is set to use message signaled interrupts (MSI/MSI-X), the Fibre Channel over Ethernet (FCoE) and NIC drivers must also be initialized in the same mode. Do not set one driver to use INTX and other drivers to use MSI/MSI-X. Hence, if the user modifies `ql4xenablesix`, the user must change the corresponding interrupt mode in the FCoE and NIC drivers (if they are loaded).

5 Additional Information

None

6 Trademarks

Accelera, Accelerating Cluster Performance, FastFabric, InfiniCon Systems, InfiniNIC, InfiniPath, InfiniView, Intelligent NIC, Networking University, NetXen, QLogic, the QLogic logo, ReadyPath, SANdoctor, SANSurfer, and SilverStorm are registered trademarks of QLogic Corporation.

To the extent a name or logo does not appear on this list does not constitute a waiver of any and all intellectual property rights that QLogic Corporation or its subsidiaries has established in any of its product, feature, or service names or logos. All other brand and product names are trademarks or registered trademarks of their respective owners.

7 Notices

Information furnished in this document is believed to be accurate and reliable. However, QLogic Corporation assumes no responsibility for its use, nor for any infringements of patents or other rights of third parties which may result from its use. QLogic Corporation reserves the right to change product specifications at any time without notice. Applications described in this document for any of these products are only for illustrative purposes. QLogic Corporation makes no representation nor warranty that such applications are suitable for the specified use without further testing or modification. QLogic Corporation assumes no responsibility for any errors that may appear in this document.

8 Contacting Support

Please feel free to contact your QLogic approved reseller or QLogic Technical Support at any phase of integration for assistance. QLogic Technical Support can be reached by the following methods:

Web: <http://support.qlogic.com>

E-mail: support@qlogic.com

[Go to Top](#)



© Copyright 2011. All rights reserved worldwide. QLogic, the QLogic logo, and the Powered by QLogic logo are registered trademarks of QLogic Corporation. All other brand and product names are trademarks or registered trademarks of their respective owners.