



SANsurfer FC HBA Command Line Interface (CLI)

This software license applies only to QLogic customers.
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 SANsurfer FC HBA Command Line Interface (CLI), version 1.7.0 build 12 for Windows, Linux, Solaris, and Mac OS X operating systems.

2. Changes

The following changes have been made to the the SANsurfer FC HBA Command Line Interface (CLI) between versions 1.06.16 build 57 and 1.7.0 Build 12.

Hardware Support

- Restored NVRAM factory defaults on 4Gb cards.
- SFF DMI for all 4Gb cards.

OS Support

- Added support for Windows Vista x86 and x64.
- Added support for Windows 2003 SP2.
- Added support for Red Hat 5 and SUSE Linux 10.

Software Components

- Diagnostic changes to support Jitter patterns with loopback/echo.
- Sysfs/inbox driver support on SLES 10.
- Linux MAX LUN Support to 4K.
- Solaris QLA MAX Target support to 2K.
- HBA/Port Alias settings.
- Host Topology.
- New display of target serial numbers.

Industry Standards Compliance

N/A

3. Bug Fixes

The following fix has been made to the SANsurfer FC HBA Command Line Interface (CLI) between versions 1.06.16 build 57 and 1.7.0 Build 12.

NOTE: Upgrading to this version is recommended.

- Updated APIs across all platforms.

4. Known Issues

The following table describes issues that exist in the SANsurfer FC HBA Command Line Interface (CLI), version 1.7.0 build 12.

| Known Issue | Workaround |
|---|--|
| <p>When running SANsurfer FC CLI or any other application that uses the Solaris SDMAPI, the following issue occurs if the process is killed or the system bug checks. The file that synchronized the different processes may be left behind, created by sem_open call.</p> <p>If this file is left behind in /var/tmp/.SEMD, any QLogic application will fail to open any HBAs during initialization.</p> | <p>To resolve this issue, you must remove the file manually. The specific default file absolute path is: /var/tmp/.SEMD/qlsdm_dbsem_2</p> <p>NOTE: There is no standard for the /var/tmp folder, which the "TMPDIR" system environment variables can overwrite. Please check your specific system for the exact value.</p> |
| <p>On Solaris, due to changes in the API interface, this version of the application must use QLA driver version 5.02 or later. Using a previous version of the driver with this application corrupts the driver's qla2300.conf file while configuring failover and/or persistent binding.</p> | |
| <p>Under Windows Vista x64, executing the SANsurfer FC CLI application requires Administrator Privileges.</p> | <p>Set this privilege: Right-click on the SANsurfer FC CLI and select Property > Compatibility > Privilege Level, then select the Run this program as Administrator option.</p> |

5. Additional Information

The following OS versions were used during qualification:

- Windows 2000/SP4 Server and Advanced Server.
- Windows 2003 SP2 IA-32/IA-64/x64 Server and Enterprise Server (SP2).
- Windows XP IA-32/x64 (SP1, SP2)
- Windows Vista IA-32/x64
- Red Hat Linux AS 3.0 IA-32, IA-64, and x86_64 Update 6,7.
- Red Hat Linux AS 4.0 IA-32, IA-64, and x86_64 Update 3,4.
- Red Hat Linux AS 5.0 IA-32, IA-64, and x86_64
- SuSE Linux ES 8 IA-32, IA64, and x86_64 versions SP 3,4.
- SuSE Linux ES 9 IA-32, IA64, and x86_64 versions SP 2,3.
- SuSE Linux ES 10 IA-32, IA64, and x86_64 versions (including inbox sysfs support).
- Solaris Sparc 2.6/7/8/9/10 (with latest patches).
- Solaris x86 9/10 (with latest patches).
- Apple Mac OS X 10.3.9 – 10.4.9 (ppc64 only, no Intel support).

The following bootcode and driver versions or later MUST be used with the SANsurfer FC CLI application:

- QLA22xx
 - BIOS 1.83
 - FCode 2.00.05
 - Driver
 - Solaris Sparc QLA 4.15.05 QLC 2.16
 - Solaris x86 QLC 2.16
- QLA234x
 - BIOS 1.52
 - FCode 2.10 (For QLA card/driver only); 1.16 (For QLA and SUN cards to use with QLC driver only)
 - EFI (IA-64) 1.49
 - Driver
 - Windows 2000/2003 SCSI Miniport ql2300.sys (In Use IA-32/IA-64/x64 versions 9.1.4.10)
 - Windows 2003 STOR Miniport ql2300.sys (In Use IA-32/IA-64/x64 versions 9.1.4.15)
 - Linux 2.4 Kernel 7.07.06
 - Linux 2.6 Kernel 8.01.07
 - Solaris x86 QLA 5.02 QLC 2.16
 - Solaris Sparc QLA 5.02 QLC 2.16
 - Mac OS X 2.0.0
- QLE236x
 - 1Mb OptionROM
 - BIOS 1.05
 - Driver
 - Windows 2000/2003 SCSI Miniport ql2300.sys (In Use IA-32/IA-64/x64 versions 9.1.4.10)
 - Windows 2003 STOR Miniport ql2300.sys (In Use IA-32/IA-64/x64 versions 9.1.4.15)
 - Linux 2.4 Kernel 7.07.06
 - Linux 2.6 Kernel 8.01.07
 - Mac OS X 2.0.0
- QLA2xx
 - BIOS 1.23
 - Driver
 - Windows 2000/2003 SCSI Miniport ql2300.sys (In Use IA-32/IA-64/x64 versions 9.1.4.10)
 - Windows 2003 STOR Miniport ql2300.sys (In Use IA-32/IA-64/x64 versions 9.1.4.15)
 - Linux 2.4 Kernel 7.07.06
 - Linux 2.6 Kernel 8.01.07
 - Solaris x86 QLA 5.02 QLC 2.16
 - Mac OS X 2.0.0

- QLE2xx
 - BIOS 1.24
 - FCode 1.24
 - EFI 1.08
 - Firmware 4.00.26
 - Driver
 - Windows 2000/2003 SCSI Miniport ql2300.sys (In Use IA-32/IA-64/x64 versions 9.1.4.10)
 - Windows 2003 STOR Miniport ql2300.sys (In Use IA-32/IA-64/x64 versions 9.1.4.15)
 - Linux 2.4 Kernel 7.07.06
 - Linux 2.6 Kernel 8.01.07
 - Solaris x86 QLA 5.02 QLC 2.16
 - Solaris Sparc QLA 5.02 QLC 2.16
 - Mac OS X 2.0.0
- QLA/QLE246x
 - BIOS 1.24
 - FCode 1.24
 - EFI 1.08
 - Firmware 4.00.26
 - Driver
 - Windows 2000/2003 SCSI Miniport ql2300.sys (In Use IA-32/IA-64/x64 versions 9.1.4.10)
 - Windows 2003 STOR Miniport ql2300.sys (In Use IA-32/IA-64/x64 versions 9.1.4.15)
 - Linux 2.4 Kernel 7.07.06
 - Linux 2.6 Kernel 8.01.07
 - Solaris x86 QLA 5.02 QLC 2.16
 - Solaris Sparc QLA 5.02 QLC 2.16
 - Mac OS X 2.0.0

The following HBAs were used during qualification:

- QLA22xx
- QLA231x
- QLA234x
- QLE236x
- QLA2xx
- QLE2xx
- QLE246x
- QLA246x
- QEM246x

6. Trademarks

QLogic, the QLogic logo, QLA, SANbox, SANsurfer, and SANblade are registered trademarks of QLogic Corporation. SANtrack and SAN Express are trademarks of QLogic Corporation.

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>

North America Contact Information

Email: support@qlogic.com

Phone: (952) 932-4040

Support contact information for other regions of the world is available at the QLogic website:

<http://support.qlogic.com>

[Go to Top](#)



© Copyright 2007. 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.