



## SANsurfer FC HBA Manager

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### 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

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These release notes describe the changes, fixes, known issues, and release details that apply to SANsurfer FC HBA Manager, version 5.0.0 build 17 for Windows, Linux, Solaris, and Mac OS X operating systems.

#### 2. Changes

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The following changes have been made to the SANsurfer FC HBA Manager between versions 2.0.30 build 89 and 5.0.0 build 17.

##### Hardware Support

- Restore NVRAM factory defaults on 4Gb HBAs.
- SFF DMI for all 4Gb HBAs.

##### OS Support

- Added support for Windows Vista: x86/x64.
- Added support for Windows 2003 SP2.
- Added support for SUSE Enterprise Linux 10.
- Added support for Red Hat Enterprise Linux AS/ES 5 (tested with RC1 kernel version 2.6.18-8.el5).

##### Software Components

- New SAN-based Wizards: NVRAM, Driver Update, OptionROM/Flash update.
- Auto-export of logs before overwrite.
- Diagnostics changes to support Jitter patterns with loopback/echo.
- Inbox driver sysfs support on SLES 10.
- Linux MAX LUN Support to 4K.
- Solaris QLA MAX Target support to 2K.
- Dropped official support for QLdirect on Windows for this release.

- Still on SANsurfer Switch Manager 5.00.05 (combo installer only).
- New SANsurfer iSCSI HBA Manager 4.03.20 (combo installer only).

## Industry Standards Compliance

N/A

## 3. Bug Fixes

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The following fixes have been made to the SANsurfer FC HBA Manager between versions 2.0.30 build 89 and 5.0.0 build 17.

**NOTE:** Upgrading to this version is recommended.

- Updated APIs across all platforms.

## 4. Known Issues

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The following table describes the issues found in SANsurfer FC HBA Manager, version 5.0.0 build 17.

Known Issue	Workaround/Comment
QLA23xx HBAs running the Windows 2003 STORport Miniport driver do not support the following features/functionality: - Failover - Load balancing - Current path	
When running qlremote agent 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.  If this file is left behind in /var/tmp/.SEMD, any QLogic application will fail to open any HBAs during initialization.	To resolve this issue, you must remove the file manually. The specific default file absolute path is: /var/tmp/.SEMD/qlsdm_dbsem_2  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.
When running the installer on Linux IA64, the following messages may appear: Command.run(): process completed before monitors could start.	These messages are cosmetic and are not meant for display.
When running the GUI on Linux IA64, the following messages may appear: Oct 24 15:34:21 rh4u4ia64-210 kernel: java(zzzzz): floating-point assist fault at ip xxxxxxxxxxxxxxxx, isr yyyyyyyyyyyyyyy	These messages are cosmetic and are not meant for display.
On Mac OS X, when the QLogic HBA driver is removed prior to the application, qlremote is placed into /startupitems if there is no QLogic HBA driver installed; however, after the driver is installed, it does not start.	Re-install the SANsurfer FC HBA Manager Application.
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.	

## 5. Additional Information

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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.
- 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).
- NetWare 5.1.
- NetWare 6.x.
- 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 boot code and driver versions or later MUST be used with the SANsurfer FC CLI application:

- 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)
    - Netware ql2200.ham 6.90n
    - Linux 2.4 Kernel 7.07.06
    - Linux 2.6 Kernel 8.01.07
    - Solaris SPARC QLA 5.02 QLC 2.16
    - Solaris x86 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 9.1.2.14)
    - Windows 2003 STOR Miniport ql2300.sys  
(In Use IA-32/IA-64/x64 versions 9.1.2.19)
    - Netware ql2x00.ham 6.90m
    - Linux 2.4 Kernel 7.07.05
    - Linux 2.6 Kernel 8.01.06
    - 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)
    - Netware ql2x00.ham 6.90m
    - 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)
  - Netware ql2x00.ham 6.90m
  - 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
- 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)
  - Netware ql2x00.ham 6.90m
  - 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:

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

## 6. Trademarks

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## 8. Contacting Support

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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](mailto: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](#)



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