TOPSPIN

**Release Notes for Topspin Windows Host Drivers Release 2.0.2
10-00077-03-A0**

July 27, 2005
Current Release: Version 2.0.2 FCS (build 95)

These release notes describe the features and known issues for the
Topspin Windows Host Drivers Release 2.0.2 FCS (build 95). These
release notes apply to all InfiniBand-attached hosts running Topspin
Windows Host Drivers Release Version 2.0.2.

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Obtaining Technical Support

For additional support, you must first register your product at http://support.topspin.com. After registering, you can contact your supplier for support, or Topspin directly at:

Address	515 Ellis St. Mountain View, CA 94043
Telephone, Corporate Headquarters	(866) TOP-SPIN or (650) 316-3300
Fax	(650) 316-3269
Telephone, Technical Support	(800) 499-1473
Email: Technical Support Support Web Site	support@topspin.com http://support.topspin.com

Be prepared to provide the following information to support personnel.

General Information
Technical Support registration number, if applicable
Error messages received
Detailed description of the problem and specific questions
Description of any troubleshooting steps already performed and results

Server configuration
Type of server, chip set, CPU, amount of RAM, # of nodes
Operating system version
PCI bus devices
Attached storage devices
InfiniBand configuration

Topspin Chassis configuration
Chassis model
Output from the **show running-status all** command

Topspin Chassis Serial Number
The chassis serial number and corresponding bar code are provided on the serial number label, as shown below:

Model: TS360

SN UST323XXXXXXXX

This can be found on the bottom of the chassis or the outside of the Topspin chassis box packaging. It can also be found in the output of the **show backplane** command.

Determining the Software Version

If InfiniBand drivers are already installed on the host, to determine the version of the Topspin Windows host drivers you are running, look at the file util\readme.txt or the driver property information.

Downloading the Latest Software Release

To verify that you are running the latest available release, compare your version against the latest version on the Topspin support website at http://support.topspin.com. After registering your product, you should have received a username and password to give you access to this site.

Upgrading From 2.0.1 to 2.0.2

Note that switch firmware, Linux host drivers, and Windows host drivers are being released and packaged separately.

The 2.1.0 switch release supports 1.0.1 (or higher) Windows host drivers. The 2.0.2 Windows host drivers require all chassis to first be upgraded to 2.0.0 or higher.

Topspin switches should be upgraded before the IB hosts.

To upgrade your IB hosts, install 2.0.2 and reboot. You will need to run tvflash to upgrade your HCA firmware. Note that you must reboot the host after upgrading the host drivers or HCA firmware.

For general information about upgrading to a new software release, see the *Installing Host-Side Drivers* chapter in the Host-Side Driver User Guide.

Release 2.0.2 Documentation Set

The following list describes the documentation available with Topspin Windows Host Drivers Release 2.0.2, which is available in electronic form and printed form upon request.

Note: Documentation is included on the Topspin Windows Host Drivers 2.0.2 CD-ROM. You can download the latest documentation updates on the Topspin support site at http://support.topspin.com.

Books:
- Host-Side Drivers User Guide for Windows Release 2.0.2
- Host Channel Adapter Hardware Guide Release 2.0.2

Supported Operating Systems

The Topspin Windows host drivers are supported on the following operating system releases:

- Windows 2000 Advanced Server 32-bit SP4
- Windows 2000 Server 32-bit SP4
- Windows 2003 Enterprise Server 32-bit

Each system should have at least 2 GB RAM.

Changes Since Software Release 2.0.1 FCS (build 433)

This section describes the new features and bug fixes of this release.

The ID number from the Topspin Defect Tracking System, if applicable, is included in parentheses. (ex: PR #xxxx)

General

- Several installation/uninstallation/upgrade problems were fixed. (PR #6715, #6438, #6288, #6185)

IPoIB

- Fixed a problem with IPoIB interface names changing. (PR #6169)

- Fixed a problem where configuring IPoIB High Availability would cause Device Manager to report there was a problem loading IPoIB driver on second IB port. (PR #5388)

SRP

- Fixed a problem with SRP failing if there was an HA failover in the IB fabric. (PR #6263)

Changes Since Software Release 1.0.1 FCS (build 129)

This section describes the new features and bug fixes of this release.

The ID number from the Topspin Defect Tracking System, if applicable, is included in parentheses. (ex: PR #xxxx)

Operating Systems

The Topspin Windows host drivers are supported on the following additional operating system releases:

- Windows 2003 Enterprise Server 32-bit

General

- The PCI Express (PCI-E) low-profile HCA is now supported.

- The Topspin Windows host driver's version and build number is now available in each driver's version and the Utilities ReadMe file. (PR #2970)

- More than one HCA in a system is now supported in systems with at least 2 GB RAM. (PR #4894, #4979)

- Systems with more than 4 GB of RAM are now supported.

- HCA diagnostics have been added.

- The Windows host name now appears correctly in the Element Manager GUI IB Topology Manager. (PR #4919)

- The tvflash –i utility now correctly prints the VPD information of the low-profile PCI-X HCA. (PR #5010)

IPoIB

- IPoIB is now more robust. (PR #5526)

Open Issues in Software Release 2.0.2

This section describes temporary limitations of this release. These restrictions will be resolved in a future release of this product.

The ID number from the Topspin Defect Tracking System is included in parentheses.

Please contact Topspin Technical Support for more information.

General

- The Topspin Windows host drivers do not yet have Microsoft digital signatures. (PR #6474)

- The system should be rebooted after installing or uninstalling Topspin Windows host drivers. (PR #4460)

- Systems with Topspin Windows host drivers installed have an extra delay during boot. (PR #5012)

- The BladeCenter HS40 8839 Storage Expansion Unit is not supported.

- Windows driver performance is low on IBM BladeCenter LS20 8850. IBM and Microsoft are working to resolve this. (PR #6380)

IPoIB

- Windows IPoIB performance is lower than Linux IPoIB performance. (PR #2965)

- IPv4 multicast is not supported. (PR #4263)

- Rebooting an Ethernet gateway will cause traffic to fail when using a partition key other than 7FFF. The workaround is the reboot the host. (PR #5018)

SRP

- LUN discovery will fail on Windows hosts if there are more than 31 LUNs. (PR #6019)

- LVM RAID is not supported.