



Date Effective: 12/15/06	Final Release Notes 85-0061-02 Version 3.2 QuickSilver Fabric Access Software for Windows	Approved:
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Introduction

Purpose

The purpose of this document is to provide a description of Version 3.2 (3.2.0050.0) of the QuickSilver Fabric Access Software for Windows. This release targets the Microsoft HPC offerings, focusing on network connectivity for Windows. This release supports a Windows Sockets Direct provider library to accelerate standard socket applications.

Notes

Included in this release:

- This release includes OpenFabrics binaries revision 1.0.0000.555, which are licensed under the OpenFabrics BSD license.
 - HCA Driver: Version 1.0.0000.555
 - IB Access Layer: Version 1.0.0000.555
 - IP over IB: Version 1.0.0000.555
 - Winsock Direct: Version 1.0.0000.555
 - VirtualHBA: Version 1.0.0000.555
 - VirtualNIC: Version 3.2.0050.0

New Features

- Discovery/Rediscovery of IBM BladeCenter modules
- IOC disable/enable
- Link Aggregation
- Target device plug and play
- Windows Socket Direct Support



Installation

Supported in this Release

HCA Configurations

- QuickSilver Model 7104-HCA-128LP PCI-X, firmware 3.4.000 or later
- QuickSilver Model 7104-HCA-128LPXB, Dual Port low profile PCIExpress 8x SDR with memory firmware 4.07.0600 or later
- QuickSilver Model 7104-HCA-128LPXB-DDR, Dual Port Low Profile PCIexpress 8x DDR firmware 4.07.0600 or later
- Blade Center H Mezzanine Card HCA firmware 4.06.00

Host Platforms

- Windows Server 2003, All Editions, Service Pack 1.
- Windows Server 2003, All x64 Editions, Service Pack 1
- Windows XP Professional x64 Edition, Service Pack 1

Installation Requirements

Software and Firmware Requirements

- *HCA Driver: Version 1.0.0000.555*
- *IB Access Layer: Version 1.0.0000.555*
- *IP over IB: Version 1.0.0000.555*
- *Winsock Direct: Version 1.0.0000.555*
- *VirtualHBA: Version 1.0.0000.555*
- *VirtualNIC: Version 3.2.0050.0*
- **Software and Firmware Versions Tested for IBM BladeCenter**
 - *Blade Center H Management Module version BPET23A, Revision 35*
 - *Cisco HCA firmware version 4.06.0000*
 - *Cisco Switch Module version BRHIBSM, Revision 0260*

NOTE: All QuickSilver Fabric Access software must be at the same release level on every node.

Installation Instructions

For detailed installation instructions, please see the *QuickSilver Fabric Access Software Users Guide, Windows Edition*.

Upgrade Instructions

None. This is the first release of this product.



Post-Installation Tasks

None.

Product Constraints

None.

QuickSilver Fabric Access - Specific Information

Function and Operation Changes

This release has a number of functional differences including the following:

- None, this is the initial release.

Enhancements and Fixes

This section describes the enhancements and fixes since the last release.

- None.

Known Product Limitations

This section describes the known product limitations for this release.

- ***Windows hangs during shutdown***
Impact/Workaround: Before shutting down a BC-H blade running Windows:
 1. Stop all I/O traffic.
 2. Open "Safely Remove Hardware" from the task bar tray and stop all InfiniBand devices. Once the InfiniBand devices are stopped, proceed with the shutdown.
- ***IOC can become disabled after Ethernet cable disconnect or reboot of Ethernet bridge module***
Impact: If an IOC remains in a disabled state after an Ethernet cable reconnect or at the completion of an Ethernet bridge module reboot, the user will need to reboot the host.
Workaround: Prior to disconnecting an Ethernet cable or rebooting an Ethernet bridge module, disable each IOC manually by right-clicking on the IOC and selecting the **Disable** option. Once the cable is reconnected or at the completion of the reboot, each IOC should come up as enabled. If not, then the user will need to reboot the host.
- ***Windows InfiniBand drivers cannot be uninstalled when interfaces enabled.***
Impact: If an InfiniBand driver cannot be uninstalled, the host hangs and the user will have to reboot.
Workaround: Prior to uninstalling an InfiniBand driver, disable the driver and then uninstall it.
- ***On a Windows host reboot after replacement of a bridge module, user will be prompted to install InfiniBand drivers again.***



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Impact/Workaround: After a host reboot, if the user is prompted to reinstall the InfiniBand driver, the user will have to go through the driver install steps outlined in the user's manual.

- *After a host reboot, not all remote storage devices are seen by VirtualHBA.*

Impact: After a host reboot, the user will have to do a Rescan disk (under **MyComputer/Manage/Disk Management**) to see any remote storage.

Workaround: None.