



# Sun StorEdge™ Traffic Manager 4.6 Software Release Notes

---

For Microsoft Windows 2000 and 2003  
and Red Hat Enterprise Linux  
Operating Systems

Sun Microsystems, Inc.  
[www.sun.com](http://www.sun.com)

Part No.819-0147-10  
October 2004

Send comments about this document to: [docfeedback@sun.com](mailto:docfeedback@sun.com)

Copyright 2004 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.

Sun Microsystems, Inc. has intellectual property rights relating to technology embodied in the product that is described in this document. In particular, and without limitation, these intellectual property rights may include one or more of the U.S. patents listed at <http://www.sun.com/patents> and one or more additional patents or pending patent applications in the U.S. and in other countries.

This document and the product to which it pertains are distributed under licenses restricting their use, copying, distribution, and decompilation. No part of the product or of this document may be reproduced in any form by any means without prior written authorization of Sun and its licensors, if any.

Third-party software, including font technology, is copyrighted and licensed from Sun suppliers.

Parts of the product may be derived from Berkeley BSD systems, licensed from the University of California. UNIX is a registered trademark in the U.S. and in other countries, exclusively licensed through X/Open Company, Ltd.

Sun, Sun Microsystems, the Sun logo, AnswerBook2, docs.sun.com, StorEdge, Traffic Manager, SSTM, and Solaris are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and in other countries.

All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. in the U.S. and in other countries. Products bearing SPARC trademarks are based upon an architecture developed by Sun Microsystems, Inc.

The OPEN LOOK and Sun™ Graphical User Interface was developed by Sun Microsystems, Inc. for its users and licensees. Sun acknowledges the pioneering efforts of Xerox in researching and developing the concept of visual or graphical user interfaces for the computer industry. Sun holds a non-exclusive license from Xerox to the Xerox Graphical User Interface, which license also covers Sun's licensees who implement OPEN LOOK GUIs and otherwise comply with Sun's written license agreements.

Use, duplication, or disclosure by the U.S. Government is subject to restrictions set forth in the Sun Microsystems, Inc. license agreements and as provided in DFARS 227.7202-1(a) and 227.7202-3(a) (1995), DFARS 252.227-7013(c)(1)(ii) (Oct. 1998), FAR 12.212(a) (1995), FAR 52.227-19, or FAR 52.227-14 (ALT III), as applicable.

DOCUMENTATION IS PROVIDED "AS IS" AND ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, ARE DISCLAIMED, EXCEPT TO THE EXTENT THAT SUCH DISCLAIMERS ARE HELD TO BE LEGALLY INVALID.

---

Copyright 2004 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, Etats-Unis. Tous droits réservés.

Sun Microsystems, Inc. a les droits de propriété intellectuelle relatifs à la technologie incorporée dans le produit qui est décrit dans ce document. En particulier, et sans limitation, ces droits de propriété intellectuelle peuvent inclure un ou plus des brevets américains énumérés à <http://www.sun.com/patents> et un ou les brevets plus supplémentaires ou les applications de brevet en attente dans les Etats-Unis et dans les autres pays.

Ce produit ou document est protégé par un copyright et distribué avec des licences qui en restreignent l'utilisation, la copie, la distribution, et la décompilation. Aucune partie de ce produit ou document ne peut être reproduite sous aucune forme, par quelque moyen que ce soit, sans l'autorisation préalable et écrite de Sun et de ses bailleurs de licence, s'il y en a.

Le logiciel détenu par des tiers, et qui comprend la technologie relative aux polices de caractères, est protégé par un copyright et licencié par des fournisseurs de Sun.

Des parties de ce produit pourront être dérivées des systèmes Berkeley BSD licenciés par l'Université de Californie. UNIX est une marque déposée aux Etats-Unis et dans d'autres pays et licenciée exclusivement par X/Open Company, Ltd.

Sun, Sun Microsystems, le logo Sun, AnswerBook2, docs.sun.com, StorEdge, Traffic Manager, SSTM, et Solaris sont des marques de fabrique ou des marques déposées de Sun Microsystems, Inc. aux Etats-Unis et dans d'autres pays.

Toutes les marques SPARC sont utilisées sous licence et sont des marques de fabrique ou des marques déposées de SPARC International, Inc. aux Etats-Unis et dans d'autres pays. Les produits portant les marques SPARC sont basés sur une architecture développée par Sun Microsystems, Inc.

L'interface d'utilisation graphique OPEN LOOK et Sun™ a été développée par Sun Microsystems, Inc. pour ses utilisateurs et licenciés. Sun reconnaît les efforts de pionniers de Xerox pour la recherche et le développement du concept des interfaces d'utilisation visuelle ou graphique pour l'industrie de l'informatique. Sun détient une licence non exclusive de Xerox sur l'interface d'utilisation graphique Xerox, cette licence couvrant également les licenciés de Sun qui mettent en place l'interface d'utilisation graphique OPEN LOOK et qui en outre se conforment aux licences écrites de Sun.

LA DOCUMENTATION EST FOURNIE "EN L'ÉTAT" ET TOUTES AUTRES CONDITIONS, DECLARATIONS ET GARANTIES EXPRESSES OU TACITES SONT FORMELLEMENT EXCLUES, DANS LA MESURE AUTORISÉE PAR LA LOI APPLICABLE, Y COMPRIS NOTAMMENT TOUTE GARANTIE IMPLICITE RELATIVE A LA QUALITE MARCHANDE, A L'APTITUDE A UNE UTILISATION PARTICULIERE OU A L'ABSENCE DE CONTREFAÇON.



# Sun StorEdge Traffic Manager 4.6 Release Notes For Microsoft and Red Hat Enterprise Linux

---

This document contains late-breaking information about the installation and operation of the Sun StorEdge™ Traffic Manager software in the supported operating systems. Read this document before attempting to install or operate the Sun StorEdge Traffic Manager software.

The following topics are covered in this document

- “Support Matrix” on page 2
- “Known Issues and Work Around” on page 2
- “Known Bugs and Work Around” on page 3
- “Release Documentation” on page 5
- “Service Contact Information” on page 5

The latest update and release information is available at:

```
http://www.sun.com/products-n-solutions/hardware  
/docs/Software/Storage_Software/Sun_StorEdge_Traffic_Manager  
/index.html
```

---

# Support Matrix

A list of the hardware and software supported by Sun StorEdge Traffic Manager 4.6 software for the supported operating system is at the following URL:

[http://www.sun.com/storage/san/multiplatform\\_support.html](http://www.sun.com/storage/san/multiplatform_support.html)

---

## Known Issues and Work Around

The following issues and their work around may occur in the supported operating systems.

### Microsoft Windows 2000 and 2003

- Normal Automatic Contingent Allegiance (NACA) on Sun StorEdge 39xx and Sun StorEdge 6120 devices must be disabled to properly use Microsoft Windows Clustering.
- If a version of HBAnywhere other than 2.0a13 is installed on the Microsoft Windows server, you are required to rename the RMServer.exe file, found in the HBAnywhere install directory, and reboot the server to avoid system destabilization. Rename RMServer.exe to something that is not executable, for example, RMServer.norun.
- The New Hardware Wizard comes up on Windows 2000/2003 every time the host is rebooted or a path is broken then repaired with 3510 storage attached.

### Linux

- To safely add or remove paths via the Sun StorEdge Traffic Manager (SSTM) administrative tools on the Linux Operating system, all input/output (I/O) from the host must be quiesced.
- To safely unload the host bus adapter (HBA) driver, ensure that no graphical user interface (GUI) or command-line interface (CLI) activities are in progress.
- When using the QLogic version 7.01.01 driver, the failover support must be disabled. See section 8.3.1 of README.q1a2x00.

- Adobe Acrobat must be installed by the user to view the Sun StorEdge Traffic Manager Installation and User's guide through the GUI help menu on the Linux operating systems.
- While running Sun StorEdge Traffic Manager 4.6 GUI properties tests, it was discovered that the HBA properties are reported as unknown. This is believed to be a Qlogic HBA application programming interface (API) problem for the AMD64 kernel in driver package 7.01.01.

---

## Known Bugs and Work Around

The following bugs and work around might occur in the supported operating systems.

### Microsoft Windows 2000 and 2003

- **5109649**

The SSTM 4.6 GUI and CLI have a duplicate 6130 device entry, after a cable fault.

After a path failover induced in testing the SSTM CLI and GUI displayed an entry for an array that did not exist. The array entry had no associated paths and a device ID of all zeros and thus was clearly created as the result of a transient condition that had since been resolved. All real paths were visible and correctly associated with their arrays so the only consequence was some spurious information in the management tools.

The spurious information can be cleared by rebooting the server. There is no way for the user to prevent the problem from occurring except that it can only occur during a path failover and it is uncommon even then.

**Workaround**

None.

# Linux

## ■ 5085768

Autofailback not failing back all paths correctly

With autofailbacks enabled, if the preferred path between a 6130 and the back-end switch goes down, I/O will continue on non-preferred paths. When the path is restored, failbacks to the preferred paths may not occur, so the non-preferred paths will continue to be used.

### **Workaround**

The path can be re-enabled from the GUI by right clicking the path and selecting "activate path." If the following pop-up is received, the "activate path" option may need to be selected several times to recover from the condition.

"Activate path error. Failed attempt to activate the path h3c0t8d1. The selection of the path failed."

## ■ 5108276

Unable to restore preferred path to SE6130 after controller failure.

When attempting to activate a path (either through the trafficmgr GUI or the sstm command-line utility), the command will intermittently fail. Through the GUI, right clicking on a path and choosing "activate path" may generate the following message:

Activate Path Error Failed attempt to activate path h2c0t10d1 The selection of the specified path failed

Using the sstm command line utility, "sstm -p X -a" may give: "The selection of the specified path failed"

### **Workaround**

The workaround in both cases is to retry the operation.

---

## Release Documentation

The following documents are available:

- *Sun StorEdge Traffic Manager 4.6 Installation Guide*
- *Sun StorEdge Traffic Manager 4.6 User's Guide*

These documents are available at:

- [http://www.sun.com/products-network-solutions/hardware/docs/Network\\_Storage\\_Solutions/SAN/](http://www.sun.com/products-network-solutions/hardware/docs/Network_Storage_Solutions/SAN/)

---

## Service Contact Information

If you need help installing or using this product, call 1-800-USA-4SUN, or go to <http://www.sun.com/service/contacting/index.html>.

