



Sun StorEdge™ Network 2 Gb Brocade SilkWorm™ 3200, 3800, 3900, and 12000 3.1/4.1 Firmware Release Notes

Sun Microsystems, Inc.
4150 Network Circle
Santa Clara, CA 95054 U.S.A.
650-960-1300

Part No. 817-2554-11
July 2003, Revision A

Submit comments about this document at: <http://www.sun.com/hwdocs/feedback>

Copyright 2003 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, Solaris, Sun StorEdge, Ultra, SunBlade, Sun Enterprise, and Sun Fire 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 2003 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, Etats-Unis. Tous droits réservés.

Sun Microsystems, Inc. a les droits de propriété intellectuelle relatant à la technologie incorporée dans le produit qui est décrit dans ce document. En particulier, et sans la 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, Solaris Sun StorEdge, Ultra, SunBlade, Sun Enterprise, et Sun Fire 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 licenciées 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 AUTORISEE 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.



Contents

- Features In This Release 1
- Product Changes 1
- System Requirements 2
 - Software Requirements 2
 - Supported Hardware 3
- Known Issues and Bugs 4
 - Known Issues 4
 - Bugs 4
- Resolved Issues and Bugs 5
- Release Documentation 5
- Service Contact Information 5

Release Notes

This document covers the following topics:

- “Features In This Release” on page 1
- “Product Changes” on page 1
- “System Requirements” on page 2
- “Known Issues and Bugs” on page 4
- “Resolved Issues and Bugs” on page 5
- “Release Documentation” on page 5
- “Service Contact Information” on page 5

Features In This Release

See the documentation from Brocade for details.

Product Changes

See the documentation from Brocade for details.

System Requirements

This section covers the following topics:

- “Software Requirements” on page 2
- “Supported Hardware” on page 3

Software Requirements

This section lists the latest software requirements.

Basic Software Requirements

- Solaris 8 operating environment 04/01 or later with the latest security patches
- Solaris 9 operating environment
- Sun StorEdge SAN Foundation Kit packages and patches for the Sun StorEdge SAN 4.2 release

Brocade Management Software Requirements

- Netscape 4.77 (or later)
- Java™ Runtime Environment 1.3.1_04 (or later)
- Java plug-in 1.2.2_02 or 1.3.1_04 (or later)

Note – Refer to the firmware Release Notes at the Brocade web site for information about the latest revisions to the above software at <http://www.brocade.com> and click “partner login” at the top menu bar (a member ID and password are required; otherwise contact your Sun service representative).

Supported Hardware

The following sections list the hardware tested and supported on the Brocade switches in this release. This section covers servers, host bus adapters, switches and storage devices. The firmware revision level listed is the earliest firmware supported.

Servers

- Sun Enterprise™ 3500, 4500, 5500, and 6500 servers
- Sun Enterprise 220R, 250, 420R, 450, 10000, workgroup servers
- Sun Fire™ 280, 280R, 480, V880, 3800, 4810, 6800, 12000, 15000 servers

Host Bus Adapters

- Sun StorEdge PCI Single Fibre Channel Network Adapter, FCode: 1.13
- Sun StorEdge PCI Dual Fibre Channel Network Adapter+, FCode: 1.13
- Sun StorEdge SBus Dual Fibre Channel Host Adapter, FCode: 1.13.07
- Sun StorEdge cPCI Dual Fibre Channel Network Adapter, FCode: 1.13
- Sun StorEdge 2G FC PCI Single Channel Network Adapter, FCode: 1.14.01
- Sun StorEdge 2G FC PCI Dual Channel Network Adapter, FCode: 1.14.01

Switches

- Brocade SilkWorm 3200, and 3800, firmware: 3.1.0
- Brocade SilkWorm 3900, and 12000, firmware: 4.1.0

Storage Devices

- Sun StorEdge T3 Enterprise and Workgroup Configuration array, firmware: 1.18
- Sun StorEdge T3+ Enterprise and Workgroup configuration array, firmware: 2.1.3
- Sun StorEdge 39x0 storage series, firmware: 2.01.01
- Sun StorEdge 69x0 storage series, Service Process Image 2.1.2
- Sun StorEdge 9910/9960 storage series, microcode version: 01-18-09-00/00
- Sun StorEdge 9970/9980 storage series, microcode version: 21-04-32-00/00

Known Issues and Bugs

This section covers known issues not tied to bugs as well as bugs discovered in testing at Sun on the switch.

Known Issues

No known issues were reported from Sun testing.

Bugs

Bugs are listed sequentially by number. Priority and severity of the bugs is indicated by the (P/S) designation, where 1 indicates the highest priority or severity and 5 indicates the lowest.

- **Bug 4650534 (P3/S3):** Brocade switches do not report overheating above 40 degrees C.

Brocade switches do not report overheating when the switch internal temperature exceeds 40 degrees C.

Workaround: Use the Fabric Watch graphical user interface (GUI) to lower the maximum temperature threshold.

- **Bug 4753552 (P3/S4):** The Brocade SilkWorm 3800 port type changes from F-port to G-port during prolonged I/O and fault injection.

Some ports on the Brocade SilkWorm 3800 do not return to an F-port setting after multiple fault injections. As a result, the host loses access to the storage unit on these ports.

Workaround: Avoid lengthy, multiple fault injection tests. If a port becomes a G-port, disable the port with the `portdisable` command followed by the `portenable` command to bring it back online.

Resolved Issues and Bugs

See the following documents for details:

- *Brocade Fabric OS Release Notes Version 4.1*
- *Brocade Fabric OS Release Notes Version 3.1*

Release Documentation

For a complete list of complementary documentation to these product notes, see the *Sun StorEdge 2 Gb Brocade SilkWorm 3200, 3800, and 12000 Switch 3.1/4.1 Firmware Guide to Documentation* (part number 817-0062), or the *Sun StorEdge 2 Gb Brocade SilkWorm 3900 Switch Guide to Documentation*, (part number 817-2550).

For instructions on where and how to download Sun StorEdge SAN Foundation software driver packages and patches required to run the switches with supported hardware from Sun, see the *Sun StorEdge SAN Foundation Software Release Notes*, part number 817-0071.

You can also find more Sun Network Storage documentation at:

[http://www.sun.com/products-n-solutions/
hardware/docs/Network_Storage_Solutions/index.html](http://www.sun.com/products-n-solutions/hardware/docs/Network_Storage_Solutions/index.html)

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>

