SunFDDI/S™ Adapter 6.0 Release Note

THE NETWORK IS THE COMPUTER™

Sun Microsystems, Inc.
901 San Antonio Road
Palo Alto, CA 94303-4900 USA
650 960-1300 Fax 650 969-9131

Part No. 805-5448-11
May 2000, Revision A

Send comments about this document to: `docfeedback@sun.com`

Copyright 2000 Sun Microsystems, Inc., 901 San Antonio Road, Palo Alto, California 94303-4900 U.S.A. All rights reserved.

This product or document is protected by copyright and distributed under licenses restricting its use, copying, distribution, and decompilation. No part of this product or 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 other countries, exclusively licensed through X / Open Company, Ltd. For Netscape Communicator™, the following notice applies: (c) Copyright 1995 Netscape Communications Corporation. All rights reserved.

Sun, Sun Microsystems, the Sun logo, AnswerBook2, docs.sun.com, SunFDDI, OBP, and Solaris are trademarks, registered trademarks, or service marks of Sun Microsystems, Inc. in the U.S. and other countries. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. in the U.S. and 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.

RESTRICTED RIGHTS: Use, duplication, or disclosure by the U.S. Government is subject to restrictions of FAR 52.227-14(g)(2)(6/87) and FAR 52.227-19(6/87), or DFAR 252.227-7015(b)(6/95) and DFAR 227.7202-3(a).

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 2000 Sun Microsystems, Inc., 901 San Antonio Road, Palo Alto, Californie 94303-4900 U.S.A. Tous droits réservés.

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. La notice suivante est applicable à Netscape Communicator™: (c) Copyright 1995 Netscape Communications Corporation. Tous droits réservés.

Sun, Sun Microsystems, le logo Sun, AnswerBook2, docs.sun.com, SunFDDI, OBP, et Solaris sont des marques de fabrique ou des marques déposées, ou marques de service, 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.

CETTE PUBLICATION EST FOURNIE "EN L'ETAT" ET AUCUNE GARANTIE, EXPRESSE OU IMPLICITE, N'EST ACCORDEE, Y COMPRIS DES GARANTIES CONCERNANT LA VALEUR MARCHANDE, L'APTITUDE DE LA PUBLICATION A REPONDRE A UNE UTILISATION PARTICULIERE, OU LE FAIT QU'ELLE NE SOIT PAS CONTREFAISANTE DE PRODUIT DE TIERS. CE DENI DE GARANTIE NE S'APPLIQUERAIT PAS, DANS LA MESURE OU IL SERAIT TENU JURIDIQUEMENT NUL ET NON AVENU.

Please
Recycle

Adobe PostScript

SunFDDI/S Adapter 6.0 Release Note

This release note describes the late-breaking information for the SunFDDI/S Adapter 6.0. The SunFDDI/S 6.0 release incorporates the following enhancements.

Installing the Driver

Beginning with the Solaris 7 release, SunFDDI device drivers were included on the Software Supplement for the Solaris Operating Environment CD. This inclusion ensures that the current driver is compatible with the current operating environment, allowing you to update drivers along with your operating environment. Therefore, if your system is running, or if you are installing Solaris 7 or a subsequent compatible release, install the SunFDDI device driver from the Software Supplement CD. Refer to the Solaris Sun Hardware Platform Guide for more information.

If your system is running a Solaris release earlier than the Solaris 7 release, install the drivers included on the SunFDDI product CD packaged with this card.

Bugs Fixed With This Release

TABLE 0-1 lists the bugs that have been fixed with this version of the software.

TABLE 0-1 SunFDDI/S Bugs Integrated with 6.0 Release

Bug ID Number	Description of Bug
Bug ID 4148523	Cannot boot SunFDDI client from a 64-bit Starfire system.
Bug ID 4154967/ 4127116	Error “ioctl SIOCGIFCONF: Invalid argument” when SunFDDI daemon starts.
Bug ID 4087551/ 4165506	Patch 104572-03 causes system to panic when `kmem_flags` are set to 0x1f.
Bug ID 4162195/ 4154952	Duplicate MAC address seen on `nf0`.
Bug ID 4150948	Multicast addresses need to be allocated dynamically.
Bug ID 4146581	“Peer Wrap Condition”.

Bug ID 4154183	By default, the Sun FDDI/S 6.0 package `SUNWnfu` incorrectly puts the following files in the `/opt/*` directory, making them unusable.
	`/opt/sbin/nf_snmd`
	`/opt/sbin`
	`/opt/etc/rc2.d/S98nf_fddidaemon`
	`/opt/etc/rc2.d`
	`/opt/etc/rc0.d/K98nf_fddidaemon`
	`/opt/etc/rc0.d`
	`/opt/etc`

Bug ID 4154181	Duplicate `snt.conf` files are created.
Bug ID 4109520	SunFDDI/S device driver not reporting SNMP.
Bug ID 441060646	Need to reorganize SunFDDI/S software packages.
Bug ID 4166543	SunFDDI/S device drivers use `/etc/system` for parameter configuration.
Bug ID 4147921	SunFDDI/S 6.0 software does not honor the local mac address OBP property.
Bug ID 4060571	SunFDDI/S software packages are missing man pages.
Bug ID 4138473	Occasionally, a critical NFS server will hang.
Bug ID 4172232	Poor performance with 64-bit version of SunFDDI/S 6.0 device driver.
Bug ID 4070932	SunFDDI/S 5.0 drops packets under heavy loads.

TABLE 0-1 SunFDDI/S Bugs Integrated with 6.0 Release

Bug ID Number	Description of Bug
Bug ID 4173751	SC2000 will crash if you boot the system with KADB and SunFDDI/S 5.0.
Bug ID 4174199	Sun E1000 hangs under heavy network traffic for 5-8 minutes.
Bug ID 4175748	`kpreempt_disable()` isn't used appropriately in `ppage.c` and the SunFDDI/S driver.
Bug ID 4172901	Panic occurred in SunFDDI/S driver.
Bug ID 4173818	SunFDDI/S does not recognize that Alternate Pathing `fddi` metadevice type `mnf` is configured.
Bug ID 4175265	The SunFDDI/S 6.0 package for Solaris 7 is missing a man pages for `nf_sync`.

Patch Enhancement

The patch ID 106738 has been added to the SunFDDI/S 6.0 X-Option CD-ROM package. If you installed the software packages by using the `pkgadd` command from the X-Option CD-ROM, then the patch has already been installed. If not, you may verify that the patch has been installed by using the `showrev -p` command. You will see output similar to the following:

```
% showrev -p | grep 106738
Patch: 106738-0x Obsoletes: Requires: Incompatibles: Packages:
SUNWnfd, SUNWnfm, SUNWnfu
```

Support for Dynamic Reconfiguration (DR)

At the time of this release, there is a known limitation in DR functionality. In some cases, the system fails to resume when there is a no power cycle during a quiesce test suspend/resume sequence. To avoid this failure, use the full suspend/power cycle/resume sequence instead of the quiesce test.