Sun Trunking 1.2 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.: 806-1037-11
June 1999, Revision A

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

Copyright 1999 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, SunStore, AnswerBook2, docs.sun.com, 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 1999 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. All rights reserved.

Sun, Sun Microsystems, le logo Sun, SunStore, AnswerBook2, docs.sun.com, 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

CHAPTER 1

Sun Trunking 1.2 Release Notes

This document contains last-minute information related to the Sun Trunking™ 1.2 product. In particular, it presents a table of known software problems and descriptions of known errors in the Sun Trunking manual.

The Sun Trunking 1.2 product is a software-only product that enables you to aggregate the collective bandwidth of the links on Sun QuadFastEthernet™ cards and Sun GigabitEthernet™ cards. Trunking is a cost-effective alternative to buying higher-priced, higher-bandwidth physical links than what you currently use.

Sun Trunking 1.2 Not Supported on the Enterprise 10000 Server

Sun Trunking 1.2 is supported on most Sun server platforms. However, it is not supported on the Sun Enterprise™ 10000 server. The definitive lists of server platforms for the Trunking product are on pages 1 (for Sun QuadFastEthernet) and 37 (for Sun GigabitEthernet) of the *Sun Trunking 1.2 Installation and User's Guide*, part number 806-1036-10.

CPU Recommendation for Trunking QuadFastEthernet Links on Enterprise 3000 Server

If you are trunking QuadFastEthernet links on an Ultra Enterprise 3000 server, we recommend you use CPUs of a speed of 248 MHz or faster. On a given server,

you should have an aggregate CPU speed of about 500 MHz per QuadFastEthernet card. Two 248 MHz CPUs satisfies this requirement.

Known Problems

Shown below is a list of problems we were aware of at the time of release of the Sun Trunking 1.2 software. These problems are relatively minor and should not interfere with your use of the Trunking product. If there is a workaround for a problem, it is noted in the table.

TABLE 1-1 Known Bugs in Trunking Software

Bug ID	Description	Workaround
4226841	Using QuadFastEthernet links, when you run the `nettr -stats` command continuously (at an interval) over a period of many hours or days, the “Past Peak” field begins to report incorrect data.	Restart the `nettr -stats` command.
4236327	Using QuadFastEthernet links under Solaris™ 2.5.1, if you enter a `nettr -run` command, you must enter a Return to return to the system prompt. This behavior is documented in the `nettr` man page.	Upon completion of a `nettr -run` command, enter a Return.
4239588	Trunking `pkgadd` scripts are designed to allow you to install software for an operating system version different from the version on the machine on which you are installing the software. This enables you to install Trunking software for a diskless client that has a Solaris version different from the server’s version. A by-product of this feature is that it allows for the possibility of installing packages for the wrong OS version.	Ensure that you `cd` to the directory that matches the OS version you want; for example, `5.6`, for Solaris 2.6. If you happen to install the wrong packages, use `pkgrm` to remove the packages, then install the correct packages.

TABLE 1-1 Known Bugs in Trunking Software *(Continued)*

Bug ID	Description	Workaround
4239379	While trunking QuadFastEthernet links in a back-to-back configuration, if the links are brought down on a remote machine, a `nettr -debug` command on the local machine does not inform you that the links are no longer available. This seeming omission results from the normal behavior of the QuadFastEthernet software.	If the `nettr -debug` command shows a link as up and you are unable to send data over the link, `ping` the remote side. If the `ping` fails, you know the link is down on the remote machine.
4239925	In a back-to-back configuration using trunked GigabitEthernet links in which a link is going up and down, there can be a minute or two delay before a machine's console messages catch up to the current state of a link.	This problem occurs only where a link is going up and down in intervals of less than a minute.
4239959	The LEDs on QuadFastEthernet cards do not shine at normal brightness when trunking is in effect.	There is no workaround. The LEDs do illuminate, but at less than their normal brightness.