



# Netra™ CP2300 cPSB Board Release Notes

---

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

Part No. 817-1741-12  
March 2004, Revision A

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

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 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, Netra, OpenBoot, SunSolve, 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.

U.S. Government Rights—Commercial use. Government users are subject to the Sun Microsystems, Inc. standard license agreement and applicable provisions of the FAR and its supplements.

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 relatants à la technologie 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, Netra, OpenBoot, SunSolve, 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 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

---

|                                        |   |
|----------------------------------------|---|
| Known Issues                           | 1 |
| Firmware Versions                      | 2 |
| Patches to Download and Install        | 2 |
| Applying Patches to a Boot Disk        | 3 |
| Applying Patches to a Diskless Service | 4 |



# Netra CP2300 cPSB Board Release Notes

The *Netra CP2300 cPSB Board Release Notes* contain important and late-breaking information about the Netra™ CP2300 cPSB board, including:

- [“Known Issues” on page 1](#)
- [“Firmware Versions” on page 2](#)
- [“Patches to Download and Install” on page 2](#)

The most recent versions of the Netra CP2300 cPSB board documentation are available at:

[http://www.sun.com/products-n-solutions/hardware/docs/CPU\\_Boards](http://www.sun.com/products-n-solutions/hardware/docs/CPU_Boards)

## Known Issues

[TABLE 1](#) lists the known issues with the current release of the Netra CP2300 cPSB board.

**TABLE 1** Known Issues

| Bug ID  | Problem                                                                                                             | Workaround                                                                                                                                                                                                                                                                         |
|---------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4835629 | When you execute or test the LED programs with the green LED set to “off”, the green LED incorrectly blinks quickly | None.                                                                                                                                                                                                                                                                              |
| --      | Configuring an IDE hard disk as a slave to a DVD drive master does not work                                         | This is not a supported configuration. The following configurations are supported in the Solaris™ operating environment: <ul style="list-style-type: none"><li>• disk=master, with disk=slave</li><li>• disk=master, with DVD=slave</li><li>• DVD=master, with DVD=slave</li></ul> |

---

## Firmware Versions

For this release of the software, the Netra CP2300 cPSB board firmware must be at the following versions:

- Firmware version: 1.0.15
- SMCFW FLASH Code Version 4.1.3
- SMCFW BOOT Code Version: 4.15.2

To display the current firmware version, use the `.version` command at the OpenBoot PROM prompt. For example:

```
ok .version

Firmware version 1.0.15
Firmware CORE Release 1.0.8 created 2003/12/3 14:29
Release 4.0 Version 32 created 2004/01/05 11:22
SMCFW FLASH Code Version 4.1.3 Spec Version 2.5.2, Platform ID 20
SMCFW BOOT Code Version 4.15.2
PLD Revision : 1.1
CORE 1.0.8 2003/12/03 14:29
```

If you do not have the correct versions of the firmware, go to the SunSolve Web site, <http://www.sun.com/sunsolve>, and download the following firmware patch.

- 115193-04

Refer to the Readme file in the patch for any special installation instructions and to the *Netra CP2300 cPSB Board Installation and Technical Reference Manual* (816-7186) for instructions on upgrading the firmware.

---

## Patches to Download and Install

This section provides information on the patches that you must download from the SunSolve™ web site for the Netra CP2300 cPSB board and instructions on how to apply these patches. These instructions are part of the Netra CP2300 cPSB board software installation procedures that are documented in the *Netra CP2300 cPSB Board Software Installation Guide* (817-2891). At a particular point in the installation procedure, you are asked to perform these tasks.

There are two types of patches to download:

- *Regular patches* are available on the main SunSolve web site, <http://www.sun.com/sunsolve>. If you specify the base Patch ID number (the first six digits) in the Search SunSolve window, you see the most recent version of the patch.
- *Point patches* are available on the point patch SunSolve web site, <http://www.sun.com/sunsolve/point>. You must specify the complete Patch ID number, including the version, in the Point Patch Search window to see the patch. Always install point patches last, after the regular patches.

There are also two procedures for downloading and installing patches for the Netra CP2300 cPSB board.

- If you are applying patches to a boot disk (if you installed Solaris onto a PMC disk or external hard drive), go to [“Applying Patches to a Boot Disk” on page 3](#).
- If you are applying patches to a network installation image for diskless clients, go to [“Applying Patches to a Diskless Service” on page 4](#).

## Applying Patches to a Boot Disk

Following are the instructions for downloading and installing the patches that are required for the software installation process documented in the *Netra CP2300 cPSB Board Software Installation Guide* (817-2891).

1. **Locate and download the following patches listed in [TABLE 2](#).**

**TABLE 2** Patches Required for a Boot Disk

| Patch ID  | Patch Location                                                                    |
|-----------|-----------------------------------------------------------------------------------|
| 114471-03 | <a href="http://www.sun.com/sunsolve/point">http://www.sun.com/sunsolve/point</a> |
| 116153-09 | <a href="http://www.sun.com/sunsolve/point">http://www.sun.com/sunsolve/point</a> |
| 116156-05 | <a href="http://www.sun.com/sunsolve/point">http://www.sun.com/sunsolve/point</a> |
| 116631-02 | <a href="http://www.sun.com/sunsolve/point">http://www.sun.com/sunsolve/point</a> |
| 116633-01 | <a href="http://www.sun.com/sunsolve/point">http://www.sun.com/sunsolve/point</a> |

2. **Perform an unzip on all of the patches that you downloaded.**
3. **Perform a patchadd for each of the patches in the order given in [Step 1](#).**  
You must perform a patchadd on the patches in the order listed. Some of the patches require software that was added through previous patches, so adding patches out of order could result in error messages and corrupted software.
4. **Return to instructions in the *Netra CP2300 cPSB Board Software Installation Guide* (817-2891) to complete the software installation procedures for a disk drive.**

# Applying Patches to a Diskless Service

Following are the instructions for downloading and installing the patches that are required for the software installation process documented in the *Netra CP2300 cPSB Board Software Installation Guide* (817-2891):

1. Locate and download the following patches listed in [TABLE 3](#).

**TABLE 3** Patches Required for a Diskless Service

| Patch ID  | Patch Location                                                                    |
|-----------|-----------------------------------------------------------------------------------|
| 111098-01 | <a href="http://www.sun.com/sunsolve">http://www.sun.com/sunsolve</a>             |
| 114471-03 | <a href="http://www.sun.com/sunsolve/point">http://www.sun.com/sunsolve/point</a> |
| 116153-09 | <a href="http://www.sun.com/sunsolve/point">http://www.sun.com/sunsolve/point</a> |
| 116156-05 | <a href="http://www.sun.com/sunsolve/point">http://www.sun.com/sunsolve/point</a> |
| 116631-02 | <a href="http://www.sun.com/sunsolve/point">http://www.sun.com/sunsolve/point</a> |
| 116633-01 | <a href="http://www.sun.com/sunsolve/point">http://www.sun.com/sunsolve/point</a> |

2. Move the patch zip files into the *image\_directory*/Solaris\_8/Patches directory. *image\_directory* is the path to the directory where the Solaris 8 install image is stored.

---

**Note** – The *image\_directory* will be the same directory used during the CP2300 software installation. Refer to the *Netra CP2300 cPSB Board Software Installation Guide* (817-2891) for more information on the *image\_directory* location.

---

3. Perform an unzip on all of the patches that you downloaded.
4. Change directories to the */usr/sadm/bin* directory.

```
# cd /usr/sadm/bin
```

## 5. Install the required patches to the diskless service.

Use the smosservice patch command to install the patches to the installation image.

Install the software patches on the sever *in this order*, where *root\_password* is the root password of the server and *image\_directory* is the Solaris 8 2/02 installation image directory. Note that you must add an additional -U option when you install the last patch to the installation image.

```
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/112396-02 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/108987-13 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/111111-03 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/111310-01 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/108528-21 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/108974-31 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/110386-03 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/111098-01 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/111023-02 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/108989-02 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/108993-22 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/109318-33 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/109134-28 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/109815-15 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/110460-30 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/109888-24 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/109458-03 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/111406-03 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/115398-03 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/115396-01 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/116101-01 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/116118-02 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/114471-03 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/116153-09 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/116156-05 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/116631-02 -m
# ./smosservice patch -u root -p root_password -- -a image_directory/Solaris_8/Patches/116633-01 -m -U
```

## 6. Manually apply the following two patches:

```
# /usr/sbin/patchadd -R /export/root/clone/Solaris_8/sun4u image_directory/Solaris_8/Patches/114471-03
# /usr/sbin/patchadd -R /export/root/clone/Solaris_8/.copyofsun4u image_directory/Solaris_8/Patches/114471-03
```

Where *image\_directory* is the Solaris 8 2/02 installation image directory.

## 7. Create an admin file with the following parameters on the boot server:

- mail=
- instance=unique
- partial=nocheck
- runlevel=nocheck

- idepend=nocheck
- rdepend=nocheck
- space=nocheck
- setuid=nocheck
- conflict=nocheck
- action=nocheck
- basedir=/usr\_sparc.all

8. Use the following command to apply the following packages on the boot server.

---

**Note** – The following command is a single long entry. Do not press the Return key until you have typed the entire text string shown in the following command.

---

```
# /usr/sbin/pkgadd -R /export/Solaris_8 -d /export/diskless/Patches/108993-22
-a path_to_admin_file package_name
```

where *path\_to\_admin\_file* is the path to the admin file that you created in [Step 7](#), and *package\_name* is the name of the packages in the following list. Note that you have to enter the command for each of the packages individually; do not enter all of the packages in one command.

- SUNWapppu
- SUNWarc
- SUNWarcx
- SUNWatfsu
- SUNWcsl
- SUNWcslx
- SUNWcstl
- SUNWcstlx
- SUNWcsu
- SUNWcsxu
- SUNWdpl
- SUNWdplx
- SUNWhea
- SUNWlldap
- SUNWmdb
- SUNWmdbx
- SUNWnisu
- SUNWpppd
- SUNWpppdu
- SUNWpppdx

9. Return to the instructions in the *Netra CP2300 cPSB Board Software Installation Guide (817-2891)* to complete the software installation procedures for diskless clients.