Netra™ CT 820 Server Release Notes

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Netra CT 820 Server Release Notes

The *Netra CT 820 Server Release Notes* contain important and late-breaking information about the Netra™ CT 820 Server, including:

- "Known Issues" on page 2
- "Firmware Versions" on page 4
- "Patches to Download and Install" on page 4

The most recent versions of the Netra CT 820 Server documentation are available at:

`http://www.sun.com/products-n-solutions/hardware/docs/Servers/`

Known Issues

TABLE 1 shows the known issues with this release of the Netra CT 820 server.

TABLE 1 Known Issues

Bug ID	Problem	Workaround
4891636	The system management controller (SMC) firmware can power off the node board CPU under these conditions: • Voltage levels not proper • Critical temperature exceeded • OBP-level power off command issued • Solaris `init 5` command issued Under these conditions, the distributed management card (DMC) does not receive a state change notification.	To determine the current state of the node board CPU, check the board LEDs. If the green LED is on, the board CPU is powered on; if the green LED is off, the board CPU is powered off.
4902465	During a node board boot, if you have not configured the node board for multiple console use, the message `cvc: WARNING: cvc_register: register w/ no console open` is displayed.	You can safely ignore this message. If you want to configure the node board for multiple console use, refer to "Configuring Your System for Multiple Console Use" in the *Netra CT 820 Server System Administration Guide* (817-2647).
4903566	If you break out of booting the Solaris™ operating environment and then issue the `go` command at the `ok` prompt, you see the message `Fast Data Access MMU Miss`, and the boot stops.	At the `ok` prompt, issue the `reset` command. If the `auto-boot?` variable is set to `false`, then issue a `boot` command after the reset has completed.
4904720	In the MOH application, the value of the "parent relative position" attribute for the node card node, the CPU card equipment node, the RTM slot node, and the rear transition card node is equal to the slot number.	None needed.
4912844	After multiple console use is enabled at the OpenBoot™ PROM level, the `prtpicl` command output shows that serial port 0 is `unknown`, even though a `tip` session is active.	None available for this release.
4917351	The processor management service (PMS) application on a node board may not recognize a newly inserted node board immediately.	None available for this release.

TABLE 1 Known Issues *(Continued)*

Bug ID	Problem	Workaround
4922975	If you power off four working power supplies in one power domain from the DMC, the DMC will power them back on.	If you want to turn off all four power supplies in one domain, disconnect the DC supply terminals from the power feed that powers that domain. Refer to the *Netra CT 820 Server Product Overview* (817-2643) for more information on power distribution.
4929172	If you open the latches on multiple boards sequentially, without waiting for the blue LED to come on, some of the boards remain powered on.	Open board latches one at a time, and wait at least two seconds before opening the next board latch.
4934680	Removing a fan tray and reinserting it within one or two seconds generates an invalid state transition.	If you hot swap a fan tray, wait five seconds before reinserting it; the correct state will be shown.
4964049	If you attempt to create a netinstall image using the Solaris 2/02 DVD and the Netra CP2300 DVD, the Solaris installer will hang at the end of the installation process.	This problem occurs only with the Solaris 2/02 *DVD*, not the Solaris 2/02 *CDs*. Do not use the Solaris 2/02 DVD to create the netinstall image; use the Solaris 2/02 CDs instead.
--	The MOH application exits on the DMC with an exception if the primary interface is not configured.	Configure the primary interface. Refer to "Configuring the Distributed Management Card External Ethernet Port" in the *Netra CT 820 Server System Administration Guide* (817-2647).
--	During a hot-swap operation, if you insert a field-replaceable unit (FRU) in the system, and MOH on the DMC has not yet discovered the slot information, NULL pointer exception messages are displayed on the DMC console.	You can safely ignore these messages. MOH will complete its discovery. You will know when MOH discovery is complete when the RMI manager can connect to the DMC.
4981305	The `prtfru` utility shows SUNW_FRUACCESS error due to an attempt to open a wrong file.	None available for this release.

Firmware Versions

For this release of the software, the CT 820 server 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 CT 820 server and instructions on how to apply these patches. These instructions are part of the CT 820 server software installation procedures that are documented in the *Netra CT 820 Server Installation Guide* (817-2641). 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 CT 820 server.

- 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 5.
- If you are applying patches to a network installation image for diskless clients, go to "Applying Patches to a Diskless Service" on page 6.

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 "Installing the Software" chapter of the *Netra CT 820 Server Installation Guide* (817-2641).

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	`http://www.sun.com/sunsolve/point`
116153-09	`http://www.sun.com/sunsolve/point`
116156-05	`http://www.sun.com/sunsolve/point`
116631-02	`http://www.sun.com/sunsolve/point`
116633-01	`http://www.sun.com/sunsolve/point`

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 CT 820 Server Installation Guide* (817-2641) 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 "Installing the Software" chapter of the *Netra CT 820 Server Installation Guide* (817-2641):

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	`http://www.sun.com/sunsolve`
114471-03	`http://www.sun.com/sunsolve/point`
116153-09	`http://www.sun.com/sunsolve/point`
116156-05	`http://www.sun.com/sunsolve/point`
116631-02	`http://www.sun.com/sunsolve/point`
116633-01	`http://www.sun.com/sunsolve/point`

2. **Move the patch zip files into the** *image_directory*`/Solaris_8/Patches` **directory, where** *image_directory* **is the path to the directory where the Solaris 8 install image is stored.**

   Refer to the *Netra CT 820 Server Installation Guide* (817-2641) 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 *in this order* to install the patches to the server, 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 "Installing the Software" chapter in the *Netra CT 820 Server Installation Guide* (817-2641) to complete the software installation procedures for diskless clients.**