Sun Network CoProcessor 1.2 Product Note

Four issues are covered by this product note:

- SNC 1.2 hardware requirements.
- Sun Network Coprocessor (SNC) 1.2 software requirements.
- SNC 1.2-required software patches.
- Bugs that may affect SNC 1.2 operation.

SNC 1.2 Hardware Requirements

SNC Boards Installed

The SNC 1.2 software requires that at least one SNC board be installed in any system running the software.

Server Requirements

SNC 1.2 software runs on SPARCserver 4/470, 4/490, 670MP and 690MP systems. See "*Sun Network CoProcessor Install Manual*", 800-6881-11, for details.

You must have Revision 09 (or later) server CPU boards on all SPARCserver 470's and 490's running the SNC 1.2 software. Refer to "*Sun Network CoProcessor Install Manual*", 800-6881-11, for how to determine the server CPU board revision level.

IPI Disk Controller Requirements

You must have Revision 10 (or later) firmware for all IPI controllers installed on servers running the SNC 1.2 software. Refer to "*Sun Network CoProcessor Install Manual*", 800-6881-11, for how to determine the system IPI controller revision level.

SNC 1.2 Software Requirements

The SNC 1.2 driver software is supported only on SPARCserver 4/470, 4/490, 670MP and 690MP systems running SunOS 4.1.3.

Software Patches Required to Use This Product

Before installing any of the supplied software from the SNC 1.2 CD-ROM, read the supplied file named README FIRST contained on the CD-ROM for additional information affecting the installation.

The SNC CD includes the following patches, which should be installed before you install the SNC 1.2 software:

- Patch **100623** corrects various UFS bugs associated with SunOS 4.1.3.

- IPI 600 series jumbo patch **101008** corrects various IPI bugs associated with SunOS 4.1.3 and supports configurations with or without SunDBE.

- IPI 600 series jumbo patch **101009** corrects various IPI bugs associated with SunOS 4.1.3 and supports configurations with both SunIPI and SunDBE.

Instructions for extracting these patches are described below:

1. **mount -r /dev/sr0 /cdrom**

2. **cd /cdrom/patches**

3. **cd 100623-03** *(to install UFS patch)*

4. **cd 101008-01** *(to install IPI patch with SunDBE support)*

5. cd 101009-01 *(to install IPI patch with both SunIPI and SunDBE support)*

Note – Read the `README` files included in each directory referred to above for patch installation details.

Bugs Affecting the SNC 1.2 Release

The following bugs may affect various configurations of SPARCserver 4/470, 4/490, 670MP and 690MP systems:

- Bug ID 1126250: 4/490 system "snc-nfsd" data fault. This bug has only been reproduced on SPARCserver 4/4*xx* systems. It occurs only during operation under extreme system loads, and so far only while running `LADDIS`, an NFS load benchmark.

- Bug ID 1115610: `dup alloc` occurred during LADDIS benchmark run.This bug has only been reproduced on SPARCserver 6*xx* systems. It occurs only during operation under extreme system loads, and so far only while running `LADDIS`, an NFS load benchmark.

- Bug ID 1100619: Secure RCP is not supported. SNC 1.2 does not accelerate NFS performance for NFS filesystems that are mounted `secure` by the client.