

Technical Alert

April 23, 2004

Subject:

Performance problem on Sparcle 1000
Power management problems on Sparcle 1000

Problem:

The performance on Sparcle 1000 is not comparable to similar 3i based machines because the setup done by OBP is not correct. To correct this issue, the OBP needs to be updated.

Solution:

- A) The OBP must be updated.
- B) Before the OBP can be updated, patch T050007-02 must be applied.
- C) The TADcar package must be updated.
- D) Before TADcar can be updated, SUNWpiclr, SUNWpicu, and SUNWpiclx must be installed.

Procedure:

Apply patch T050007-02

- 1) Download T050007-02.tar.gz from the Tadpole website.
ftp://ftp.tadpole.com/support/SPARCLE1000/TechAlert/T050007-02.tar.gz
- 2) gunzip T050007-02.tar.gz
- 3) tar -xf T050007-02.tar
- 4) patchadd T050007-02

Update the OBP

- 1) Download the new OBP sp1k_105.obp.
ftp://ftp.tadpole.com/support/SPARCLE1000/TechAlert/sp1k_105.obp
- 2) cd /usr/Flash
- 3) cp sp1k_105.obp to /usr/Flash/default.flash
- 4) ./flash-update -y
- 5) Reboot the system

Install SUNWpiclr, SUNWpicu, and SUNWpiclx:

- 1) Download SUNWpicl.tar.gz from the Tadpole website.
ftp://ftp.tadpole.com/support/SPARCLE1000/TechAlert/SUNWpicl.tar.gz
- 2) gunzip SUNWpicl.tar.gz
- 3) tar xf SUNWpicl.tar
- 4) pkgadd -d .
Select package(s) you wish to process <Enter>
Do you want to continue with the installation of <SUNWpiclr> y <Enter>
Do you want to continue with the installation of <SUNWpicu> y <Enter>
Do you want to continue with the installation of <SUNWpiclx> y <Enter>
Select package(s) you wish to process q <Enter>

Update TADcar

*** At the end of step 2 (pkgrm TADcar), you will be prompted to shutdown. Disregard that instruction. DO NOT SHUTDOWN at the end of step 2.***

- 1) Download TADcar.tar.gz from the tadpole ftp site.
ftp://ftp.tadpole.com/support/SPARCLE1000/TechAlert/TADcar.tar.gz
- 2) pkgrm TADcar
Do you want to remove this package? y <Enter>
Do you want to continue with the removal of this package? y <Enter>
DO NOT REBOOT OR SHUTDOWN
- 3) gunzip TADcar.tar.gz
- 4) tar xf TADcar.tar
- 5) pkgadd -d . TADcar
Do you want to continue with the installation of <TADcar> y <Enter>
- 6) shutdown -y -i6 -g