

Re: powerd freeze with amd 5000 X2 but not with lower cpus

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Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/stable/2007-07/msg00493.html>

- *From:* Michael Nottebrock <lofi@xxxxxxxxxxx>
 - *Date:* Sat, 28 Jul 2007 15:46:15 +0200
-

JoaoBR schrieb:

On Saturday 28 July 2007 07:10:21 Michael Nottebrock wrote:

JoaoBR schrieb:

On Saturday 28 July 2007 04:21:39 Michael Nottebrock wrote:

JoaoBR schrieb:

On Friday 27 July 2007
12:31:55 Nate Lawson
wrote:

JoaoBR
wrote:

Hi
when
I
enable
powerd
with
default
flags
(and
any
other
also)
the
computer

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freezes
some
seconds
after
powerd
is
started.
It
does
not
reach
login.
Nothing
in
the
logs.
This
is
with
amd
5000
X2
Am2

When
i
stick
into
the
same
computer
a
4600
or
4200
it
runs
fine
and
smooth.

I
thought
it
is
MB
related
and
did
the
same

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and
again
the
5000
cpu
freeze,
the
smaller
ones
not.

Any
idea
what
I
should
do?

I
use
releng_6
amd
and
i386
same
story
and
cpufreq
and
acpi
is
compiled.

Disable
powerd
again and
boot
normally.
Try
changing
the
frequency
with "sysctl
dev.cpu",
etc. and see
if any of the
levels
freeze for
you.

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ok, this is what I get

```
dev.cpu.0.freq_levels:  
2600/100000 2400/85596  
2200/72544 2000/60778  
1800/50237 1000/25535
```

no need to say but the fan
levels obviously are wrong

And now the interesting part
I shift to 2400 or any other
and
immediately freeze, that
from kde konsole

in single user mode I can
shift up and down between
all speeds and
nothing happens

[Jumping in from the thread started on
-stable -

<http://lists.freebsd.org/pipermail/freebsd-stable/2007-July/036395.html>
- see there for system details]

Same here - in single user mode, even
powerd works fine - like it does
with SMP disabled - but no go in multiuser.

I see some similar
discussion on stable but I
can not match with
everything there because I
have the problem only with
the athlon 5000
cpu

The CPU difference is interesting - exactly
what model is your X2 4600+?
Mine is a stepping F, model 4B, rev BH-F2
("Energy Efficient" with 65W
TDP).

seems to be the same

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but I have better news and seems my first idea was right, the MB is it

I found a tech info on the manufacturer's support site telling cpu support up to 4600+ and found a bios for newer cpus including my 5000+

so I upgraded the bios and my CPU now works with smp + cpufreq + powerd on both amd64 and i386

Good to hear. Unfortunately my Mobo's BIOS is already up-to-date, the CPU is officially supported and Cool'n'Quiet works dandy in Windows XP ... =/

my ok msg was too fast, after some time my video starts flickering and stays so and the PC is freezed up, disabling powerd and works stable

Meanwhile I found a workaround for my system: I had SCHED_ULE configured in my kernel – switching to SCHED_4BSD gets rid of the freezes. Should have thought of that sooner, ISTR having problems with powerd and SCHED_ULE even on single cpu P4s.

Cheers,

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,_ | Michael Nottebrock | lofi@xxxxxxxxxxxxx
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\u/ | K Desktop Environment on FreeBSD | <http://freebsd.kde.org>

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