

Re: [SLE] Higher CPU ext. freq setting causes kernel panic

Source: <http://linux.derkeiler.com/Mailing-Lists/SuSE/2004-06/1817.html>

From: Rikard Johnels (*rikjoh_at_norweb.se*)

Date: 06/10/04

To: suse-linux-e@suse.com

Date: Thu, 10 Jun 2004 17:00:23 +0200

-----BEGIN PGP SIGNED MESSAGE-----

Hash: SHA1

On Thursday 10 June 2004 07.45, Dale Mirenda wrote:

- > *SuSE 9.1, kernel 2.6.x*
- > *Asus A7N8X mboard (BIOS 1007; latest)*
- > *Athlon XP 3200 Barton*
- > *Corsair Twin-X 512x2 RAM*
- >
- > *OS boots normally if CPU ext. Freq setting in bios is set to 100 Mhz,*
- > *but CPU at boot is reported as Athlon XP 1100MHz , and system runs slow*
- > *(but stable).*
- > *Changing the setting to 200 MHz, CPU at boot is reported as Athlon XP*
- > *3200+ but the OS always hangs before completing bootup, with "kernel*
- > *panic: VFS: Unable to mount root fs on unknown-block(8,5)."*
- >
- > *Did a lot of net searches for this problem, have seen fixes related to*
- > *memory (mem=1024k) and grub (root=/dev/hdxx) but nothing relating to*
- > *the CPU frequency. I don't understand why the kernel would react this*
- > *way to a faster CPU.*
- >
- > *If this is a known prob, can someone point me to a FAQ? If not, any*
- > *ideas on where I should go to resolve it?*
- >
- > *I've tried booting from SuSE install cd. The boot hangs at different*
- > *points depending on which boot option I try, but it always hangs.*
- >
- > *TIA for your assistance.*
- >
- > *Dale*

Sounds to me like your MB isnt fast enough for 200 MHz.

Something along the IDE controller line is failing at those speeds.

Could be RAM, could be Chipset, could be busspeed anomalies..

Try stepping up from 100 in smaller steps.

SuSE: Re: [SLE] Higher CPU ext. freq setting causes kernel panic

Run under heavy load for extended time to check stability.

--

/Rikard

-

Rikard Johnels email : rikjoh@norweb.se
Web : <http://www.rikjoh.com>
Mob : +46 (0)735 05 51 01

----- Public PGP fingerprint -----
< 15 28 DF 78 67 98 B2 16 1F D3 FD C5 59 D4 B6 78 46 1C EE 56 >
-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.2.2 (GNU/Linux)

iD8DBQFAyHeOWdS2eEYc7lYRAt+4AJ45dG4htwvNBj93Oc/7zAoLiLPdxQCff1pe
szUu6mPpVpZv2apvMzd7U/Y=
=d54y
-----END PGP SIGNATURE-----

--

Check the headers for your unsubscription address
For additional commands send e-mail to suse-linux-e-help@suse.com
Also check the archives at <http://lists.suse.com>
Please read the FAQs: suse-linux-e-faq@suse.com