

Re: OSR504 boot STOPS after "Loading kerneltext"

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"Carol Saah" <csaah@cox.net> wrote in message
news:LDdRa.1842\$MK4.263@lakeread07...

> *Hi,*

>

> *I replaced an Intel P4 D845PESV motherboard*
> *with an Intel P4 D865PERL motherboard -- as a*
> *result of lightning that ended up going through*
> *a working APC Smart-UPS 700 and knocking out the*
> *motherboard/memory.*

>

> *I had SCO OSR504 installed in that machine on an*
> *Adaptec 29160 with 2 Seagate LVDs, which were*
> *NOT affected by the hit.*

>

> */dev/boot is on hd0a and*
> */dev/root is on /dev/hd24. (Another HD off the 50-pin*
> *port on the 29160 had been installed BEFORE the 2nd*
> *LVD drive -- so that's why OSR504 root is on /dev/hd24.)*

>

> *I am using the ad160 driver that is for*
> *OSR505 since there was none for OSR504 and it worked on OSR504. The*
system

> *was bootable both*

> *from floppies and the hard disk with the Intel P4*
> *D845PESV motherboard before the hit.*

>

> *Solaris 9 is installed on the same hd as OSR504 root*
> *and boots just fine with the new motherboard.*
> *Microsoft Small Business Server is also on the 1st hd and*
> *it also boots just fine.*

>

> *Now, I cannot boot OSR504 from hd(40)unix nor from*
> *fd(60)unix. I have tried 2 SCO OSR504 boot/root*
> *floppies and here are the results:*

>

- > *When booting with fd(60)unix, boot consistently STOPS*
- > *at the 1st dot after the line:*
- >
- > *Loading kernel fd(60)unix.Z .text*
- > *. [stops here]*
- >
- > *If I boot from the floppy but use the following bootstring*
- > *hd(40)unix swap=hd(161) dump=hd(161) root=hd(162),*
- > *then boot stops with 1 complete line of dots and about*
- > *half-way through the next line of dots after the following*
- > *line:*
- >
- > *Loading kernel hd(40)unix.Z .text*
- >
- > *If I boot from the hard disk, boot consistently stops after*
- > *4 complete lines of dots plus half of the 5th line.*
- >
- > *If I try to BOOT ONLY from an SCO OSR505 boot*
- > *floppy withOUT the ad160 driver and with an OSR505*
- > *kernel from a Pentium 100 PC, the boot completes to*
- > *the root filesystem diskette request. I do NOT go any*
- > *further since the controller driver is NOT ad160 on the*
- > *OSR505 system and it isn't the same OS version.*
- >
- > *If I disable cache in the bootstring, boot still stops*
- > *after the "Loading... .text" msg.*
- >
- > *When I remove the Adaptec 29160 and the 2 LVD*
- > *drives and hook to a new Dell P4 Dimension 8250,*
- > *I have no problem booting/rooting from the hard drives.*
- >
- > *The D865PERL motherboard is running with:*
- >
- > *DDR333 -> single channel dynamic paging mode*
- >
- > *Memory is 512 Mb (DDR400) single channel (setup)*
- >
- > *Two serial-ATA ports are also available on this*
- > *motherboard, but not being used.*
- >
- > *If I try to change the ATA/IDE config to legacy mode --*
- > *up to 2 IDE devices max, booting from the hd stops*
- > *sooner after the "Loading... .text" line.*
- >
- > *Under chipset configuration, the following is set on the*
- > *Intel motherboard:*
- >
- > *ISA Enable Bit - Enable*
- > *PCI Latency Timer 32*
- > *Extended config:*
- > *SDRAM Frequency Auto*

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- > *CPC Override Auto*
- > *SDRAM Timing Control AUTO*
- > *SDRAM RAS Act. to Pre. 7*
- > *SDRAM CAS# LATENCY 2.5*
- > *SDRAM RAS# to CAS# delay 3*
- > *SDRAM RAS# Precharge 3*
- >
- > *On the OSR504 system, I have many patches and*
- > *rs504c: oss470a,oss485a,oss471f and*
- > *oss469d,oss496a,oss621b,oss644b,oss642a,*
- > *oss480a,oss601a,oss472a,oss475a,oss459b,oss473a,*
- > *oss481a,oss605a,oss644b*
- >
- > *If there is anything I can do to change the kernel (while*
- > *the disks are hooked to the Dell machine) or a bootstring*
- > *option to boot the SCO OSR504 on the new motherboard, please let me know.*
- >
- > *I would prefer to work on the P4 rather than the Pentium*
- > *100.*
- >
- > *I understand that I need to upgrade to OSR507 and*
- > *maybe that would solve my problem, but I need an*
- > *interim solution if possible.*
- >
- > *Thanks in advance.*
- >
- > *Carol Saah*

Are you using one of the newer P4 processors (3.04GHz) that supports hyperthreading?

If so, make sure hyperthreading is disabled in the BIOS.