

Re: new kernel panics

Source: <http://linux.derkeiler.com/Mailing-Lists/Debian/2007-04/msg04794.html>

- *From:* Wackojacko <wackojacko32@xxxxxxxxxxxxx>
 - *Date:* Mon, 30 Apr 2007 15:39:44 +0100
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steve downes wrote:

Just compiled my 1st kernel.

Using sources from 2.6.18-4 (((((((((same as present kernel to keep it simple)

Compiled ext3 & ext2 into the kernel (not as modules)

installed kernel & modules

installed into grub

```
root (hd0,0)
kernel /vmlinuz root=dev/hda2 ro noinitrd
save default
```

The stock kernel was

```
root (hd0,0)
kernel /vmlinuz-2.6.18-4-686 root=/dev/hda2 ro
initrd /initrd.img-2.6.18-4-686
savedefaults
```

The stock kernel works, the new kernel fails after 20 lines (or so) with:-

please append correct "root=" boot optopns

kernel panic - not syncing: VFS: unable to mount root fs on unknown-block(0,0)

I have tried all combinations of (hd0,0) & 0,1 & root=/dev/hda1 & 2. There is no initrd for the new kernel which is what I want file systems hda1 is /boot & hda2 is / & both are ext3

I have been presuming it to be a grub menu.lst problem but it could be a kernel compile problem. I would have thought that if so it would

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have to be around the ext3 file system but it seems to load something before it panics so I would think that is OK

Can anybody suggest anything else – PLEASE

Steve

Have you compiled the driver for your motherboard IDE/SATA controller into the kernel. If its a module and no initrd then grub will not be able to see the disks, let alone the partitions :)

HTH

Wackojacko

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