
Subject: Re: howto compile kernel with some special features ?

Posted by [dvazart](#) on Fri, 04 Sep 2009 08:54:49 GMT

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Hi again, and sorry for all these questions...

I'm booting the kernel build on Sep 2, and is with this kernel that mi server hangs at :

Loading, please wait...

I follow your instructions:

Quote:

reHi,

useing grub ?

-> please check your grub configuration:

on booting enter the grub config via the cmdline pressing the c, delete the "quit" on statement (if enabled) boot the system and n check the output ... maybe some hardware drivers missing ... in the initrd ?

Bye,

Thorsten

So booting without the "quiet" option, i got this :

Begin: Mounting root file system ... Begin: Running /scripts/local-top... done.

Begin: Waiting for root file system

ALERT! /dev/sda2 does not exist. Dropping to a shell!

here's my menu.lst :

End Default Options

```
title      Debian GNU/Linux, kernel 2.6.26-2-amd64
root       (hd0,1)
kernel     /boot/vmlinuz-2.6.26-2-amd64 root=/dev/sda2 ro quiet
initrd     /boot/initrd.img-2.6.26-2-amd64

title      Debian GNU/Linux, kernel 2.6.26-2-amd64 (single-user mode)
root       (hd0,1)
kernel     /boot/vmlinuz-2.6.26-2-amd64 root=/dev/sda2 ro single
initrd     /boot/initrd.img-2.6.26-2-amd64

title      Debian GNU/Linux, kernel 2.6.18-19-ovz-amd64
root       (hd0,1)
```

```
kernel    /boot/vmlinuz-2.6.18-19-ovz-amd64 root=/dev/sda2 ro
initrd    /boot/initrd.img-2.6.18-19-ovz-amd64

title     Debian GNU/Linux, kernel 2.6.18-19-ovz-amd64 (single-user mode)
root      (hd0,1)
kernel    /boot/vmlinuz-2.6.18-19-ovz-amd64 root=/dev/sda2 ro single
initrd    /boot/initrd.img-2.6.18-19-ovz-amd64
```

END DEBIAN AUTOMAGIC KERNELS LIST

As you can see, i have the same root device for the standar Debian Lenny installation that boot's well

Any idea?

**** Edit ****

With the Debian BusiBox I did a ls /dev there are only hdc, hdc1 and hdc2... nothing about sda.

Do you mis something about libata or the support for SCSI drivers when building the kernel ??

I modified my menu.lst to:

```
[...]
title     Debian GNU/Linux, kernel 2.6.18-19-ovz-amd64
root      (hd0,1)
kernel    /boot/vmlinuz-2.6.18-19-ovz-amd64 root=/dev/hdc2 ro
initrd    /boot/initrd.img-2.6.18-19-ovz-amd64
[...]
```

And it seems to work:

```
uname -a
Linux test-ovz-kernel 2.6.18-19-ovz-amd64 #1 SMP Wed Sep 2 18:12:15 UTC 2009 x86_64
GNU/Linux
```

Now my question is :

Will this work in my production servers ? they have 4 SATA hard disks in a RAID 5 3ware controller mounted as /dev/sda2 ?