Subject: Re: howto compile kernel with some special features ?
Posted by dvazart on Fri, 04 Sep 2009 08:54:49 GMT

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 quesion is :

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