

Re: Kernel panic when using linux-image-2.6.16-1-686 with a PATA drive

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Debian/2006-04/msg01126.html>

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- *From:* Ron Johnson <[ron.l.johnson@xxxxxxx](mailto:ron.l.johnson@xxxxxxx)>
  - *Date:* Sun, 09 Apr 2006 13:39:43 -0500
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On Sun, 2006-04-09 at 14:30 +0200, Florian Kulzer wrote:

Ron Johnson wrote:

The root device is PATA drive hda, but there is also a SATA drive in the system.

I've Googled this, but no joy. Must be searching for the wrong strings.

Currently running linux-image-2.6.14-1-686, which seems to be working fine. Sound, mouse, boot speed, etc all normal.

```
$ uname -a
Linux haggis 2.6.14-1-686 #1 Tue Nov 1 15:51:43 JST 2005 i686
GNU/Linux

$ cd /boot
$ dir *2.6.16*686
-rw-r--r-- 1 root root 652659 Apr 3 09:31 System.map-2.6.16-1-686
-rw-r--r-- 1 root root 67112 Apr 3 07:40 config-2.6.16-1-686
-rw----- 1 root root 1128474 Apr 8 13:07 initrd.img-2.6.16-1-686
-rw-r--r-- 1 root root 1145551 Apr 3 09:31 vmlinuz-2.6.16-1-686

$ grep hda /etc/lilo.conf
boot=/dev/hda
root=/dev/hda2
```

The error:  
RAMDISK: Couldn't open root device "302" or unknown-block(3,2).  
Please append a correct "root=" boot option  
Kernel panic - not syncing: VFS: Unable to mount root fs or unknown-block(3,2)

Has something radical changed between 2.6.14 & .16?

That might be a problem with your initrd image for 2.6.16. There are (at

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least) two different packages for initrd creation, initrd-tools and yaird. Sometimes it is enough to just switch to the one that you did not use before.

The issue is moot for me now, because I built my own kernel that has the vital chipset/ide/etc routines compiled into the kernel.

And it's still smaller than the stock images.

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Ron Johnson, Jr.  
Jefferson, LA USA

"Politics [is] the art of achieving the maximum amount of freedom for individuals that is consistent with the maintenance of social order."

Senator Barry Goldwater (R-AZ)

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