
Subject: Re: Installation on Debian - VFS: Cannot open root device

Posted by [pjdevries](#) on Wed, 27 Dec 2006 07:45:21 GMT

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Hi vasily,

Thanks very much for your reply. I figured it had something to do with a missing driver of some sort, but I can not figure out which one and/or how to add that missing driver.

Actually I just started with a fresh Debian install in an attempt to build my own kernel, so the information you requested does not show the details of the OpenVZ kernel. If you need that as well, please let me know and I'll redo my previous installation to supply you with the missing pieces.

This is the information you asked for:

ls -l /boot:

total 6444

```
-rw-r--r-- 1 root root 55809 2005-08-16 14:41 config-2.6.8-2-386
drwxr-xr-x 2 root root 4096 2006-12-24 16:32 grub
-rw-r--r-- 1 root root 4546560 2006-12-24 16:31 initrd.img-2.6.8-2-386
-rw-r--r-- 1 root root 865767 2005-08-16 17:14 System.map-2.6.8-2-386
-rw-r--r-- 1 root root 1097554 2005-08-16 17:14 vmlinuz-2.6.8-2-386
```

/boot/grub/menu.lst:

```
title      Debian GNU/Linux, kernel 2.6.8-2-386
root       (hd0,1)
kernel     /boot/vmlinuz-2.6.8-2-386 root=/dev/sda2 ro
initrd     /boot/initrd.img-2.6.8-2-386
savedefault
boot
```

```
title      Debian GNU/Linux, kernel 2.6.8-2-386 (recovery mode)
root       (hd0,1)
kernel     /boot/vmlinuz-2.6.8-2-386 root=/dev/sda2 ro single
initrd     /boot/initrd.img-2.6.8-2-386
savedefault
boot
```

lspci:

```
0000:00:00.0 Host bridge: Intel Corp. 82875P Memory Controller Hub (rev 02)
0000:00:01.0 PCI bridge: Intel Corp. 82875P Processor to AGP Controller (rev 02)
0000:00:03.0 PCI bridge: Intel Corp. 82875P Processor to PCI to CSA Bridge (rev 02)
0000:00:1d.0 USB Controller: Intel Corp. 82801EB/ER (ICH5/ICH5R) USB UHCI #1 (rev 02)
0000:00:1d.1 USB Controller: Intel Corp. 82801EB/ER (ICH5/ICH5R) USB UHCI #2 (rev 02)
0000:00:1d.2 USB Controller: Intel Corp. 82801EB/ER (ICH5/ICH5R) USB UHCI #3 (rev 02)
0000:00:1d.3 USB Controller: Intel Corp. 82801EB/ER (ICH5/ICH5R) USB UHCI #4 (rev 02)
0000:00:1d.7 USB Controller: Intel Corp. 82801EB/ER (ICH5/ICH5R) USB2 EHCI Controller (rev
```

02)
0000:00:1e.0 PCI bridge: Intel Corp. 82801 PCI Bridge (rev c2)
0000:00:1f.0 ISA bridge: Intel Corp. 82801EB/ER (ICH5/ICH5R) LPC Bridge (rev 02)
0000:00:1f.2 IDE interface: Intel Corp. 82801EB (ICH5) Serial ATA 150 Storage Controller (rev 02)
0000:00:1f.3 SMBus: Intel Corp. 82801EB/ER (ICH5/ICH5R) SMBus Controller (rev 02)
0000:02:01.0 Ethernet controller: Intel Corp. 82547GI Gigabit Ethernet Controller
0000:03:00.0 VGA compatible controller: ATI Technologies Inc Rage XL (rev 27)
0000:03:02.0 Ethernet controller: Intel Corp. 82541GI/PI Gigabit Ethernet Controller

lspci -n:

0000:00:00.0 0600: 8086:2578 (rev 02)
0000:00:01.0 0604: 8086:2579 (rev 02)
0000:00:03.0 0604: 8086:257b (rev 02)
0000:00:1d.0 0c03: 8086:24d2 (rev 02)
0000:00:1d.1 0c03: 8086:24d4 (rev 02)
0000:00:1d.2 0c03: 8086:24d7 (rev 02)
0000:00:1d.3 0c03: 8086:24de (rev 02)
0000:00:1d.7 0c03: 8086:24dd (rev 02)
0000:00:1e.0 0604: 8086:244e (rev c2)
0000:00:1f.0 0601: 8086:24d0 (rev 02)
0000:00:1f.2 0101: 8086:24d1 (rev 02)
0000:00:1f.3 0c05: 8086:24d3 (rev 02)
0000:02:01.0 0200: 8086:1075
0000:03:00.0 0300: 1002:4752 (rev 27)
0000:03:02.0 0200: 8086:1076

I hope you can figure out what the problem is. Please let me know if there is anything else I can do or information I can supply. I have been struggling with this problem for so many days now, so I hope to hear from you soon again. Thanks for the effort anyway.
