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Subject: Kernel used with slackware?

Posted by [penguin\\_2007](#) on Sun, 07 Sep 2008 00:11:37 GMT

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Hi all,

Please teach kernel used with slackware12.0 which to be used.

link from following URL.

<http://wiki.openvz.org/Download/kernel>

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Subject: Re: Kernel used with slackware?

Posted by [curx](#) on Sun, 07 Sep 2008 08:50:57 GMT

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Hi,

on <http://www.slackware.com/announce/12.1.php> shows:

[...]

Here are some of the advanced features of Slackware 12.1:

- Runs the 2.6.24.5 version of the Linux kernel from <ftp.kernel.org>. Also included is a kernel patched with Speakup to support speech synthesizers providing access to Linux for the visually impaired community. The 2.6.x kernel series has matured into a stable kernel, and provides reliable performance for your desktop or your production server.

[...]

So you can try the 2.6.24er (devel) OpenVZ patch and built a own OpenVZ Kernel (-> <http://wiki.openvz.org/Download/kernel/2.6.24/2.6.24-ovz005.1>)

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Subject: Re: Kernel used with slackware?

Posted by [penguin\\_2007](#) on Mon, 08 Sep 2008 01:02:19 GMT

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Dir curx

Thank you for the reply.

The domination of version 12.1 has been understood well.

The patch taught to the kernel source code is restructured, and it applies, and the system is restructured for openvz.

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Subject: Re: Kernel used with slackware?

Posted by [penguin\\_2007](#) on Sun, 14 Sep 2008 03:33:02 GMT

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Referring to given information

Though it installed as follows

Please teach the method of settlement where the problem occurs variously.

VFS: Cannot open root device "803" or unknown-block(8,3)

Please append a correct "root=" boot option; here are the available partitions;

Kernel panic - non syncing: VFS: Unable to mount root fs on unknown-block(8,3)

```
# lilo -v
```

```
Warning: LBA32 addressing assumed
```

```
Reading boot sector from /dev/sda
```

```
Using BITMAP secondary loader
```

```
Calling map_insert_data
```

```
Mapping bitmap file /boot/slack.bmp
```

```
Calling map_insert_file
```

```
Boot image: /boot/vmlinuz-huge-smp-2.6.24.5-smp
```

```
Added Linux *
```

```
Boot image: /boot/vmlinuz-2.6.24.8-union
```

```
Added Linux-union
```

```
Boot image: /boot/vmlinuz-2.6.24-ovz
```

```
Added Linux-ovz
```

```
Writing boot sector.
```

```
/boot/boot.0800 exists - no boot sector backup copy made.
```

```
One warning was issued.
```

```
# tar vxjf linux-2.6.24.tar.bz2
```

```
# cd linux-2.6.24
```

```
# gzip -dc patch-ovz005.1-combined.gz | patch -p1
```

```
# cp kernel-2.6.24-i686.config.ovz .config
```

```
# make oldconfig
```

```
# ln -sf linux-2.6.24 linux
```

```
# cd /usr/src/linux
```

```
# make
```

```
# make bzImage
```

```
# make modules
```

```
# make modules_install
```

```
# cp /usr/src/linux/arch/i386/boot/bzImage /boot/vmlinuz-2.6.24-ovz
```

```
# cp /usr/src/linux/System.map /boot/System.map-2.6.24-ovz
```

```
# ln -sf /boot/System.map-2.6.24-ovz /boot/System.map
# cp /usr/src/linux/.config /boot/config-2.6.24-ovz
# ln -sf /boot/config-2.6.24-ovz /boot/config
Edit of lilo
# lilo -L
# shutdown -r now
```

CPU : AMD Athlon(tm)64 Processor 35000+  
Memory : DDR 1GHz  
HDD : SATA 200G  
OS : Slackware 12.1  
.config : kernel-2.6.24-i686.config.ovz  
patch : patch-ovz005.1-combined.gz  
LILO : version 22.8

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Subject: Re: Kernel used with slackware?  
Posted by [curx](#) on Sun, 14 Sep 2008 09:36:40 GMT  
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Have you built a initrd as well ?

Plz show your /etc/lilo.conf.

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Subject: Re: Kernel used with slackware?  
Posted by [penguin\\_2007](#) on Sun, 14 Sep 2008 10:05:46 GMT  
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Thank you for the reply ..curx.. again.  
No, initrd is not Bilded.  
It did not know even the thing that initrd had to be Bilded.....  
Lilo.conf and the relation file are posted.  
It asks suitably.

```
# cat /etc/lilo.conf
# LILO configuration file
# generated by 'liloconfig'
#
# Start LILO global section
# Append any additional kernel parameters:
append=" vt.default_utf8=0"
boot = /dev/sda
```

```

# Boot BMP Image.
# Bitmap in BMP format: 640x480x8
  bitmap = /boot/slack.bmp
# Menu colors (foreground, background, shadow, highlighted
# foreground, highlighted background, highlighted shadow):
  bmp-colors = 255,0,255,0,255,0
# Location of the option table: location x, location y, number of
# columns, lines per column (max 15), "spill" (this is how many
# entries must be in the first column before the next begins to
# be used. We don't specify it here, as there's just one column.
  bmp-table = 60,6,1,16
# Timer location x, timer location y, foreground color,
# background color, shadow color.
  bmp-timer = 65,27,0,255

# Standard menu.
# Or, you can comment out the bitmap menu above and
# use a boot message with the standard menu:
#message = /boot/boot_message.txt

# Wait until the timeout to boot (if commented out, boot the
# first entry immediately):
prompt
# Timeout before the first entry boots.
# This is given in tenths of a second, so 600 for every minute:
timeout = 1200
# Override dangerous defaults that rewrite the partition table:
change-rules
  reset
# VESA framebuffer console @ 1024x768x256
vga = 773
# Normal VGA console
# vga = normal
# VESA framebuffer console @ 1024x768x64k
# vga=791
# VESA framebuffer console @ 1024x768x32k
# vga=790
# VESA framebuffer console @ 1024x768x256
# vga=773
# VESA framebuffer console @ 800x600x64k
# vga=788
# VESA framebuffer console @ 800x600x32k
# vga=787
# VESA framebuffer console @ 800x600x256
# vga=771
# VESA framebuffer console @ 640x480x64k
# vga=785

```

```

# VESA framebuffer console @ 640x480x32k
# vga=784
# VESA framebuffer console @ 640x480x256
# vga=769
# End LILO global section
# Linux bootable partition config begins
image = /boot/vmlinuz-huge-smp-2.6.24.5-smp
    root = /dev/sda3
    label = Linux
    read-only
image = /boot/vmlinuz-2.6.24.8-union
    root = /dev/sda3
    label = Linux-union
    read-only
image = /boot/vmlinuz-2.6.24-ovz
    root = /dev/sda3
    label = Linux-ovz
    read-only
# Linux bootable partition config ends

# df
Filesystem      1K-blocks    Used Available Use% Mounted on
/dev/sda3        9614148  2898764  6227008  32% /
/dev/sda1        474440    32933   417010   8% /boot
tmpfs            645268      0   645268   0% /dev/shm
/dev/sdb1        511696    281768   229928  56% /mnt/usb

# cat /etc/fstab
/dev/sda2 swap swap    defaults    0 0
/dev/sda3 /  ext3    defaults    1 1
/dev/sda1 /boot ext2    defaults    1 2
/dev/cdrom /mnt/cdrom auto    noauto,owner,ro,users 0 0
/dev/fd0 /mnt/floppy auto    noauto,owner,users 0 0
/dev/sdb1 /mnt/usb auto    noauto,owner,users 0 0
devpts /dev/pts devpts    gid=5,mode=620 0 0
proc /proc proc    defaults    0 0
tmpfs /dev/shm tmpfs     defaults    0 0

```

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Subject: Re: Kernel used with slackware?  
 Posted by [penguin\\_2007](#) on Sun, 14 Sep 2008 13:21:07 GMT  
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Hi curx and All  
 It reactivates, and was it thought the situation to be an improvement, and did the problem occur here, is not sda3 still recognized, and is it good the examination of mkinitrd, and making like this, and when solving it very?

```
# cd /root
# mkinitrd -c -m scsi_mod:sg:sd_mod:libata:sata_nv -r /dev/sda3 -k 2.6.24 -o
/boot/initrd-2.6.24.img
```

```
image = /boot/vmlinuz-2.6.24-ovz
initrd=/boot/initrd-2.6.24.img
root = /dev/sda3
label = Linux-ovz
read-only
# Linux bootable partition config ends
```

mount : mounting /dev/sda3 on rootdev(or not mounted)  
Trouble ahead  
You can try to fix it. Type 'exit' when things are done.

```
/ bin/sh : can't access tty; job control turned off
/ $ exit
initrd-2.6.24.img : exiting
switch -root:bad newroot /mnt
kernel panic -not syncing : Attempted to kill init!
```

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