
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>

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>)

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.

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 vjxf 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 3500+
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

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.

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

```

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!
```
