

---

Subject: New Kernel 2.6.24 out  
Posted by [mperkel](#) on Sun, 02 Mar 2008 03:00:11 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Thanks for the new 2.6.24 kernel I'm going to try it out and see how it works. Maybe others can join this thread and report on their experiences.

---

---

Subject: Re: New Kernel 2.6.24 out  
Posted by [Vasily Tarasov](#) on Mon, 03 Mar 2008 05:31:46 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Binary RPM works fine for me. However I encountered the following problems while compiling OpenVZ 2.6.24 kernel from sources:

1) config that is provided at [wiki.openvz.org](http://wiki.openvz.org) is definitely not appropriate for sources - Kconfig system still asks a lot of questions.

2) CONFIG\_SIM\_FS is missing in Kconfig file, so it's impossible to compile simfs without editing Kconfig manually.

3) Compilation fails:

```
/home/vass/linux-2.6.24-openvz/include/linux/freezer.h:72: undefined reference to `refrigerator'
```

```
/home/vass/linux-2.6.24-openvz/include/linux/freezer.h:72: undefined reference to `refrigerator'
```

```
kernel/built-in.o: In function `try_to_freeze':
```

```
/home/vass/linux-2.6.24-openvz/include/linux/freezer.h:72: undefined reference to `refrigerator'
```

```
/home/vass/linux-2.6.24-openvz/include/linux/freezer.h:72: undefined reference to `refrigerator'
```

```
/home/vass/linux-2.6.24-openvz/include/linux/freezer.h:72: undefined reference to `refrigerator'
```

```
kernel/built-in.o:/home/vass/linux-2.6.24-openvz/include/linux/freezer.h:72: more undefined
```

```
references to `refrigerator' follow
```

```
make: *** [.tmp_vmlinux1] Error 1
```

Switching CONFIG\_VZ\_CHECKPOINT off helps to continue compilation.

4) OpenVZ related warnings while compilation:

```
kernel/bc/proc.c:102: warning: 'bc_debug_entry' defined but not used
```

```
kernel/cpt/cpt_net.c:373: warning: 'dumpfn' defined but not used
```

---

Subject: Re: New Kernel 2.6.24 out  
Posted by [adobriyan](#) on Mon, 03 Mar 2008 09:33:01 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

configs from [http://wiki.openvz.org/Download\\_kernel\\_2.6.24](http://wiki.openvz.org/Download_kernel_2.6.24) were used.

In fact kernel-2.6.24-ovz002.2.src.rpm contains them.

---

---

Subject: Re: New Kernel 2.6.24 out

Posted by [swindmill](#) on Mon, 03 Mar 2008 15:36:58 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I have compiled 2.6.24 + the OpenVZ patches for a non-production server running Debian Etch and haven't had any major issues as of yet.

I wasn't able to access my virtual environments via network from outside of the host node until I added this to my /etc/sysctl.conf:

```
net.ipv4.conf.all.forwarding=1
```

It seems that setting net.ipv4.conf.default.forwarding=1 is not enough for this kernel version, although this worked for my previous 2.6.18 based kernel.

---

---

Subject: Re: New Kernel 2.6.24 out

Posted by [mperkel](#) on Mon, 03 Mar 2008 16:10:34 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

For what it's worth I'm running it on 2 of my servers and it's working for me. I'm waiting a little while just to see if a new version gets posted to fix new problems.

---

---

Subject: Re: New Kernel 2.6.24 out

Posted by [adobriyan](#) on Mon, 03 Mar 2008 16:16:12 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

This very well can be kernel bug.

Let me check.

---

---

Subject: Re: New Kernel 2.6.24 out

Posted by [aTan](#) on Mon, 03 Mar 2008 19:59:16 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi, trying to compile it on a x86\_64 Gentoo:

```
MODPOST vmlinux.o
GEN    .version
CHK    include/linux/compile.h
UPD    include/linux/compile.h
CC     init/version.o
LD     init/built-in.o
LD     vmlinux
arch/x86/kernel/built-in.o: In function `do_notify_resume':
```

```
(.text+0x185f): undefined reference to `refrigerator'
kernel/built-in.o: In function `do_fork_pid':
(.text+0x8cf3): undefined reference to `refrigerator'
kernel/built-in.o: In function `finish_stop':
signal.c:(.text+0x1644a): undefined reference to `refrigerator'
kernel/built-in.o: In function `ptrace_stop':
signal.c:(.text+0x165d0): undefined reference to `refrigerator'
kernel/built-in.o: In function `worker_thread':
workqueue.c:(.text+0x1c768): undefined reference to `refrigerator'
kernel/built-in.o:statd.c:(.text+0x2ccb6): more undefined references to `refrigerator' follow
make: *** [vmlinux] Error 1
```

---

Subject: Re: New Kernel 2.6.24 out  
Posted by [iansison](#) on Tue, 04 Mar 2008 05:29:51 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi - i tried compiling for my 64Bit Intel box - there's a compile error on DRBD -

```
In file included from drivers/block/drbd/drbd_bitmap.c:34:
drivers/block/drbd/drbd_int.h:751:1: warning: "BIT" redefined
In file included from drivers/block/drbd/drbd_bitmap.c:27:
include/linux/bitops.h:6:1: warning: this is the location of the previous definition
In file included from drivers/block/drbd/drbd_bitmap.c:34:
drivers/block/drbd/drbd_int.h:777: warning: `request_queue_t' is deprecated
In file included from drivers/block/drbd/drbd_int.h:1159,
      from drivers/block/drbd/drbd_bitmap.c:34:
drivers/block/drbd/drbd_compat_wrappers.h: In function `drbd_generic_make_request':
drivers/block/drbd/drbd_compat_wrappers.h:130: error: too many arguments to function
`bio_endio'
drivers/block/drbd/drbd_compat_wrappers.h:135: error: too many arguments to function
`bio_endio'
drivers/block/drbd/drbd_compat_wrappers.h: In function `drbd_plug_device':
drivers/block/drbd/drbd_compat_wrappers.h:142: warning: `request_queue_t' is deprecated
In file included from drivers/block/drbd/drbd_bitmap.c:34:
drivers/block/drbd/drbd_int.h: At top level:
drivers/block/drbd/drbd_int.h:1272: warning: `request_queue_t' is deprecated
drivers/block/drbd/drbd_int.h:1274: warning: `request_queue_t' is deprecated
drivers/block/drbd/drbd_int.h:1903: warning: `request_queue_t' is deprecated
drivers/block/drbd/drbd_bitmap.c: In function `drbd_bm_page_io_async':
drivers/block/drbd/drbd_bitmap.c:656: warning: assignment from incompatible pointer type
drivers/block/drbd/drbd_bitmap.c:660: error: too many arguments to function `bio_endio'
make[3]: *** [drivers/block/drbd/drbd_bitmap.o] Error 1
make[2]: *** [drivers/block/drbd] Error 2
make[1]: *** [drivers/block] Error 2
```

make: \*\*\* [drivers] Error 2

---

---

Subject: Re: New Kernel 2.6.24 out  
Posted by [adobriyan](#) on Tue, 04 Mar 2008 08:49:50 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Make sure CONFIG\_PM\_SLEEP is set.

---

---

Subject: Re: New Kernel 2.6.24 out  
Posted by [aTan](#) on Tue, 04 Mar 2008 09:43:40 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

It is. Here is my config:  
<http://www.pastebin.cz/show/4092>

---

---

Subject: Re: New Kernel 2.6.24 out  
Posted by [adobriyan](#) on Tue, 04 Mar 2008 12:36:01 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Fix was pushed out

"CPT: select PM as well"  
<http://git.openvz.org/?p=linux-2.6.24-openvz;a=commitdiff;h=15938557b7ee1cebc893c676e0574a990fb79947>

---

---

Subject: Re: New Kernel 2.6.24 out  
Posted by [aTan](#) on Tue, 04 Mar 2008 15:06:52 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

after applying got this (bzImage is ok):

```
ERROR: "sys_open" [kernel/cpt/vzrst.ko] undefined!  
ERROR: "sys_open" [kernel/cpt/vzcpt.ko] undefined!  
make[1]: *** [__modpost] Error 1  
make: *** [modules] Error 2  
make: *** Waiting for unfinished jobs....
```

---

---

Subject: Re: New Kernel 2.6.24 out

---

Posted by [adobriyan](#) on Tue, 04 Mar 2008 16:16:51 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Are you using kernel from git?

Fix for this already there, too:

<http://10.30.101.105/cgi-bin/gitweb.cgi?p=kernel-2.6.24;a=commitdiff;h=29ec264a595bb385ce4818a31a01987b3b31fd9c;hp=73980b5b87e7619ba49364d2618b25d4f4bd8450>

---

Subject: Re: New Kernel 2.6.24 out

Posted by [aTan](#) on Tue, 04 Mar 2008 19:24:15 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

No, I've just patched openvz kernel sources from gentoo portage. Could you please fix the link, it has internal IP. Thanks.

EDIT: nevermind, cloning from git.

EDIT2: compiled, will try tomorrow, thanks.

---

Subject: Re: New Kernel 2.6.24 out

Posted by [curx](#) on Tue, 04 Mar 2008 21:23:58 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi,

let's share experience with OpenVZ 2.6.24:

I've taken the kernel-source from git <http://git.openvz.org/?p=linux-2.6.24-openvz;a=summary> and kernel config from <http://download.openvz.org/kernel/branches/2.6.24/2.6.24-ovz002.2/configs/kernel-2.6.24-i686.config.ovz> and built that kernel on a Debian Stable 4.0 aka etch:

- \* CT/VE checkpointing and restore works
- \* add/del IPv4 IP works, IPv6 can't be used in CT/VE at the moment
- \* some kernel errors/failing occurs, will be described at bugszilla.

For testing only, a debian gpg-signed git(ty) repository can be found at:

# <http://debian.systs.org/debian> gitty openvz

---

Subject: Re: New Kernel 2.6.24 out

Posted by [adobriyan](#) on Wed, 05 Mar 2008 11:45:16 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Bugzilla is working again.

---

---

Subject: Re: New Kernel 2.6.24 out  
Posted by [aTan](#) on Wed, 05 Mar 2008 11:48:49 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

what is err=-5?

```
$ vzctl start 104
Starting VE ...
VE is mounted
VE start failed
VE is unmounted
$ dmesg
IMQ: Error trying imq_init_devs(net)
CT: 104: stopped
CT: 104: failed to start with err=-5
```

/var/log/vzctl.log:

```
2008-03-05T12:41:22+0100 vzctl : VE 104 : Starting VE ...
2008-03-05T12:41:22+0100 vzctl : VE 104 : Running: /usr/sbin/vzquota show 104
2008-03-05T12:41:22+0100 vzctl : VE 104 : Running: /usr/sbin/vzquota on 104 -r 0 -b 1048676 -B
1153124 -i 200100 -l 220100 -e 0 -n 0 -s 0
2008-03-05T12:41:22+0100 vzctl : VE 104 : Mounting root: /vz/root/104 /vz/private/104
2008-03-05T12:41:22+0100 vzctl : VE 104 : VE is mounted
2008-03-05T12:41:22+0100 vzctl : VE 104 : Set iptables mask 0x000017bf
2008-03-05T11:41:22+0000 vzctl : VE 104 : Set features mask
0000000000000000/0000000000000000
2008-03-05T12:41:23+0100 vzctl : VE 104 : VE start failed
2008-03-05T12:41:23+0100 vzctl : VE 104 : Running: /usr/sbin/vzquota stat 104 -f
2008-03-05T12:41:23+0100 vzctl : VE 104 : Running: vzquota setlimit 104 -b 1048576 -B
1153024 -i 200000 -l 220000 -e 0 -n 0
2008-03-05T12:41:23+0100 vzctl : VE 104 : Running: /usr/sbin/vzquota stat 104 -f
2008-03-05T12:41:23+0100 vzctl : VE 104 : Running: /usr/sbin/vzquota off 104
2008-03-05T12:41:23+0100 vzctl : VE 104 : VE is unmounted
```

---

Subject: Re: New Kernel 2.6.24 out  
Posted by [adobriyan](#) on Wed, 05 Mar 2008 15:49:42 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Please post output from this script in VE0 after fresh boot

on .18 and .24 kernels:

```
for i in $(ls /proc/sys/net/ipv4/conf/*/forwarding); do
    echo $i
    cat $i
done
```

and in VE too, just in case. Does Etch runs sysctl  
init script before starting netdevices in both cases?

Regardless, relying on "default" is not wise, because  
you're on mercy of init scripts ordering.  
I'd suggest net.ipv4.conf.all.forwarding=1 or  
net.ipv4.ip\_forward=1.

---

Subject: Re: New Kernel 2.6.24 out  
Posted by [aTan](#) on Thu, 06 Mar 2008 16:41:01 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

If it was on me, I have only .24:

VE

```
localhost / # for i in $(ls /proc/sys/net/ipv4/conf/*/forwarding); do
> echo $i
> cat $i
> done
/proc/sys/net/ipv4/conf/all/forwarding
0
/proc/sys/net/ipv4/conf/default/forwarding
0
/proc/sys/net/ipv4/conf/lo/forwarding
0
/proc/sys/net/ipv4/conf/sit0/forwarding
0
/proc/sys/net/ipv4/conf/venet0/forwarding
0
```

HN

```
/proc/sys/net/ipv4/conf/all/forwarding
1
/proc/sys/net/ipv4/conf/default/forwarding
1
/proc/sys/net/ipv4/conf/eth0/forwarding
1
/proc/sys/net/ipv4/conf/eth1/forwarding
1
```

```
/proc/sys/net/ipv4/conf/eth2/forwarding
1
/proc/sys/net/ipv4/conf/eth3/forwarding
1
/proc/sys/net/ipv4/conf/eth4/forwarding
1
/proc/sys/net/ipv4/conf/eth5/forwarding
1
/proc/sys/net/ipv4/conf/ifb0/forwarding
1
/proc/sys/net/ipv4/conf/ifb1/forwarding
1
/proc/sys/net/ipv4/conf/lo/forwarding
1
/proc/sys/net/ipv4/conf/sit0/forwarding
1
/proc/sys/net/ipv4/conf/tap0/forwarding
1
/proc/sys/net/ipv4/conf/venet0/forwarding
1
```

I've managed to boot openvz .24 kernel (current git), no kernel panic at this time, but I have a problem. Neither server, nor people behind the nat cannot connect to remote ftp servers. Also I had to copy /dev/\* to VE and set static devices in config. VE (gentoo template) udev doesn't create anything.

dmesg:

```
nf_conntrack: expectation table full<4>nf_conntrack: expectation table full<4>nf_conntrack:
expectation table full<4>nf_conntrack: expectation table full<4>nf_conntrack: expectation table
full<4>nf_conntrack: expectation table full<4>nf_conntrack: expectation table full<4>nf_conntrack:
expectation table full<4>nf_conntrack: expectation table full<4>nf_conntrack: expectation table
full<4>printk: 126502 messages suppressed.
nf_conntrack: expectation table full
```

---

Subject: Re: New Kernel 2.6.24 out  
Posted by [adobriyan](#) on Fri, 07 Mar 2008 10:19:09 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

File separate bugs at bugzilla describing setup and we tackle them one by one.

---

Subject: Re: New Kernel 2.6.24 out



Posted by [aTan](#) on Fri, 07 Mar 2008 10:55:32 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Done

---

---

Subject: Re: New Kernel 2.6.24 - DRBD

Posted by [wpeckham](#) on Fri, 07 Mar 2008 14:10:59 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I downloaded and installed the kernel on a fresh install of Fedora 8. (running i686 on Pentium 4 with 512 MB ram)

Everything seemed to work until I wanted to look at the DRBD module. There is none. Are we not supporting DRBD for this kernel?

---

---

Subject: Re: New Kernel 2.6.24 - DRBD

Posted by [aTan](#) on Fri, 07 Mar 2008 14:53:39 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

The compilation of this module failed when I tried to do it.

EDIT: tried now and ok.

EDIT2: it's not ok, it was disabled in kernel.

---

---

Subject: Re: New Kernel 2.6.24 - DRBD

Posted by [iansison](#) on Fri, 07 Mar 2008 18:40:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Below is a patch which ups the DRBD version included in the 2.6.24-ovz002.2 patch to 8.0.11, which compiles for me. Apply this patch over 2.6.24-ovz002.2.

<http://202.8.254.24/patch-ovz002.2-drbd-upgradeto-8.0.11.bz2>

According to drbd changelog:

8.0.9 (api:86/proto:86)

...

38 \* Made it to compile on Linux-2.6.24.

Which brings me to the question.. Are there any openvz mods for drbd? I'm not sure, someone clue me in..

---

---

Subject: Re: New Kernel 2.6.24 - DRBD  
Posted by [aTan](#) on Fri, 07 Mar 2008 19:51:26 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Current git version doesn't contain drbd at all. So patch is useless for it.

---

Subject: Re: New Kernel 2.6.24 - DRBD  
Posted by [wpeckham](#) on Fri, 07 Mar 2008 20:27:45 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Thanks for the info! I think that I will have to back down to kernel-2.6.18 until I can give this more time.

We need a server distro that incorporates the patches and modules to support OpenVZ and DRBD! When I start working 42 hour days....

---