
Subject: kernel/rhel5/028stab060.8 Kernel Compilation Error

Posted by [PiKey](#) on Thu, 09 Apr 2009 12:03:37 GMT

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Hi all. Yesterday I tried to compile <http://wiki.openvz.org/Download/kernel/rhel5/028stab060.8> kernel on my Debian X86 Lenny, but i recieved this error and my compilation stops. I already tried tradittional way of compiling as asual and debian way - make-kpkg.

Quote:lib/genalloc.c: In function 'gen_pool_alloc':

lib/genalloc.c:149: warning: passing argument 2 of '__set_bit' from incompatible pointer type

lib/genalloc.c: In function 'gen_pool_free':

lib/genalloc.c:188: warning: passing argument 2 of '__clear_bit' from incompatible pointer type

```
LD lib/reed_solomon/built-in.o
LD lib/zlib_deflate/built-in.o
CC lib/zlib_inflate/inffast.o
CC lib/zlib_inflate/inflate.o
CC lib/zlib_inflate/inftrees.o
CC lib/zlib_inflate/inflate_syms.o
LD lib/zlib_inflate/zlib_inflate.o
LD lib/zlib_inflate/built-in.o
CC lib/textsearch.o
CC lib/percpu_counter.o
CC lib/audit.o
LD lib/built-in.o
CC lib/bitmap.o
CC lib/bust_spinlocks.o
CC lib/cmdline.o
CC lib/cpumask.o
CC lib/ctype.o
CC lib/dec_and_lock.o
CC lib/div64.o
CC lib/dump_stack.o
CC lib/errno.o
CC lib/extable.o
CC lib/hweight.o
CC lib/idr.o
CC lib/int_sqrt.o
CC lib/ioremap.o
CC lib/klist.o
CC lib/kobject.o
CC lib/kobject_uevent.o
CC lib/kref.o
CC lib/prio_tree.o
CC lib/radix-tree.o
CC lib/rbtree.o
CC lib/rwsem.o
```

```
CC lib/semaphore-sleepers.o
CC lib/sha1.o
CC lib/string.o
CC lib/vsprintf.o
AR lib/lib.a
CC arch/i386/lib/cpuid-on-cpu.o
CC arch/i386/lib/msr-on-cpu.o
LD arch/i386/lib/built-in.o
CC arch/i386/lib/bitops.o
AS arch/i386/lib/checksum.o
CC arch/i386/lib/delay.o
AS arch/i386/lib/getuser.o
CC arch/i386/lib/memcpy.o
AS arch/i386/lib/putuser.o
CC arch/i386/lib/strstr.o
CC arch/i386/lib/usercopy.o
AR arch/i386/lib/lib.a
GEN .version
CHK include/linux/compile.h
UPD include/linux/compile.h
CC init/version.o
LD init/built-in.o
LD .tmp_vmlinux1
kernel/built-in.o: In function `getnstimeofday':
(.text+0x12971): undefined reference to `__umoddi3'
kernel/built-in.o: In function `do_gettimeofday':
(.text+0x12a1c): undefined reference to `__udivdi3'
kernel/built-in.o: In function `do_gettimeofday':
(.text+0x12a39): undefined reference to `__umoddi3'
kernel/built-in.o: In function `do_timer':
(.text+0x13854): undefined reference to `__udivdi3'
kernel/built-in.o: In function `do_timer':
(.text+0x13871): undefined reference to `__umoddi3'
make[1]: *** [.tmp_vmlinux1] Error 1
make[1]: Leaving directory `/usr/src/linux-2.6.18'
make: *** [debian/stamp/build/kernel] Error 2
```

Compilation of OpenVZ 2.6.24-ovz008.1 and Vanillas 2.6.28.8, 2.9.29.1 earlier were successfull. I have no idea why a recieve this error. Maybe someone helps me?

Subject: Re: kernel/rhel5/028stab060.8 Kernel Compilation Error
Posted by [maratrus](#) on Fri, 10 Apr 2009 08:54:35 GMT
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Hi,
could you please describe how you built sources and what config you used?

Subject: Re: kernel/rhel5/028stab060.8 Kernel Compilation Error

Posted by [PiKey](#) on Fri, 10 Apr 2009 15:21:55 GMT

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Config is - kernel-2.6.18-i686.config.ovz from

<http://wiki.openvz.org/Download/kernel/rhel5/028stab060.8> without any custom changes.

1st way, that i use usually

1. Patching. `patch -dc patch-92.1.18.el5.028stab060.8-combined.gz | patch -p1` in folder with 2.6.18 <http://www.kernel.org/pub/linux/kernel/v2.6/linux-2.6.18.tar.bz2>
2. Renaming kernel-2.6.18-i686.config.ovz to .config
3. `make oldconfig`
4. (error at this step) `make bzImage` or just `make`
5. `make modules`
6. `make install`
7. `make modules_install`
8. making of `initrd`
9. `update-grub`

2nd way have no success with OpenVZ kernels ever, non-OpenVZ 2.6.28 and 2.6.29.1 builds debs fine. But i tried both ways.

1. Patching. `patch -dc patch-92.1.18.el5.028stab060.8-combined.gz | patch -p1` in folder with 2.6.18 <http://www.kernel.org/pub/linux/kernel/v2.6/linux-2.6.18.tar.bz2>
 2. Renaming kernel-2.6.18-i686.config.ovz to .config
 3. `make oldconfig`
 4. `make-kpkg --initrd --append-to-version=-openvz kernel_image kernel_headers`
 5. `dpkg -i *.deb`
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