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 pointe
r 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.

I'st way, that i use usualy

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

2'nd 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