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Subject: Re: Kernel 2.6.20 with openvz-patch on Ubuntu Feisty Fawn (7.04)  
Posted by [Christian Kaiser2](#) on Wed, 23 May 2007 07:18:30 GMT

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I have a problem with compiling a kernel with the openvz-patch. Here are the steps that I undertook:

- 1) Download Kernel 2.6.20 from kernel.org
- 2) Apply openvz patch with "patch -p0 < patch-ovz005.1-combined"
- 3) Used my original kernel configuration from Ubuntu 7.04
- 4) make xconfig
- 5) make-kpkg clean
- 6) make-kpkg --append-to-version custom --initrd kernel\_headers  
kernel\_image

Here's the error message that I get when running step 6:

```
...
Root device is (3, 1)
Boot sector 512 bytes.
Setup is 7010 bytes.
System is 1693 kB
Kernel: arch/x86_64/boot/bzImage is ready (#1)
make[1]: Leaving directory `/usr/src/linux-2.6.20'
/usr/bin/make EXTRAVERSION=-ovz005custom ARCH=x86_64 \
        modules
make[1]: Entering directory `/usr/src/linux-2.6.20'
CHK include/linux/version.h
CHK include/linux/utsrelease.h
CC [M] arch/x86_64/kernel/../../i386/kernel/cpuid.o
CC [M] arch/x86_64/kernel/../../i386/kernel/microcode.o
arch/x86_64/kernel/../../i386/kernel/microcode.c: In function
'microcode_write':
arch/x86_64/kernel/../../i386/kernel/microcode.c:387: warning: 'new_mc'
may be u
sed uninitialized in this function
CC [M] arch/x86_64/kernel/../../i386/kernel/msr.o
LD [M] arch/x86_64/kernel/msr.o
LD [M] arch/x86_64/kernel/microcode.o
LD [M] arch/x86_64/kernel/cpuid.o
CC [M]
arch/x86_64/kernel/cpufreq/../../i386/kernel/cpu/cpufreq/ acpi-cpufr
eq.o
CC [M]
arch/x86_64/kernel/cpufreq/../../i386/kernel/cpu/cpufreq/ powernow-k
8.o
LD [M] arch/x86_64/kernel/cpufreq/powernow-k8.o
```

```

LD [M] arch/x86_64/kernel/cpufreq/acpi-cpufreq.o
AS [M] arch/x86_64/crypto/aes-x86_64-asm.o
CC [M] arch/x86_64/crypto/aes.o
AS [M] arch/x86_64/crypto/twofish-x86_64-asm.o
CC [M] arch/x86_64/crypto/twofish.o
LD [M] arch/x86_64/crypto/aes-x86_64.o
LD [M] arch/x86_64/crypto/twofish-x86_64.o
CC [M] kernel/cpt/cpt_proc.o
CC [M] kernel/cpt/cpt_dump.o
kernel/cpt/cpt_dump.c: In function 'check_one_process':
kernel/cpt/cpt_dump.c:988: warning: implicit declaration of function
'check_utra
ce'
CC [M] kernel/cpt/cpt_obj.o
CC [M] kernel/cpt/cpt_context.o
CC [M] kernel/cpt/cpt_process.o
kernel/cpt/cpt_process.c: In function 'cpt_check_unsupported':
kernel/cpt/cpt_process.c:707: error: 'struct task_struct' has no member
named 't
ux_info'
make[3]: *** [kernel/cpt/cpt_process.o] Error 1
make[2]: *** [kernel/cpt] Error 2
make[1]: *** [kernel] Error 2
make[1]: Leaving directory `/usr/src/linux-2.6.20'
make: *** [debian/stamp-build-kernel] Error 2

```

Does anybody have an idea what's wrong here?

Kernel 2.6.20 is under development. So an error like this can happen. I'm not sure but I think that checkpointing is broken in 2.6.20 OVZ Kernels. So try 2.6.18 + OVZ Patches (that should be more stable) or remove checkpointing support in the 2.6.20 kernel configuration (OpenVZ menu, then checkpointing) and retry the compilation.

Mit freundlichen Grüßen / Best Regards  
Christian Kaiser

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