
Subject: Gentoo Kernel Problems (2.6.8-openvz-022.077) Panics Immediately - "kernel too old"

Posted by [Registered User](#) on Sat, 15 Jul 2006 04:49:29 GMT

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I have emerged the current stable version of the openvz-sources 2.6.8-022.077 in gentoo and compiled the kernel using the options as described in the gentoo howto, in the openvz howto, using the openvz config for that version, and every time I restart the system I get a kernel failure immediately following the mount of filesystem as read only:

VFS: mounted root (reiserfs filesystem) readonly.

Freeing unused kernel memory: 208K freed

FATAL: kernel too old

Kernel Panic: Attempted to kill init!

I have tried using the devel version of 2.6.16s, 2.6.8-022.076, 2.6.8-022.078, all with the same problem.

Any help would be appreciated. I am rather frustrated and banging my head against the wall.

Searches of these forums suggest the solution is here...

[/http://forum.openvz.org/index.php?t=msg&th=398&#msg_2269](http://forum.openvz.org/index.php?t=msg&th=398&#msg_2269)

However, I cannot even boot to write to /proc nor can I write to proc under my non-openvz kernel even though it is mounted (rw):

proc on /proc type proc (rw)

echo 2.6.9 > /proc/sys/kernel/virt_osrelease

-bash: /proc/sys/kernel/virt_osrelease: No such file or directory

Subject: Re: Gentoo Kernel Problems (2.6.8-openvz-022.077) Panics Immediately - "kernel too old"

Posted by [Valmont](#) on Sat, 15 Jul 2006 09:11:24 GMT

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First of all - try to use latest kernel.

ovzkernel 2.6.8-022stab078.10 is released

updated: Sorry, think in your case it doesn't help. You could try to manually rewrite version of kernel in /usr/src/linux/Makefile before compiling. It is quick, but not very good solution.

P.S.

/proc - is virtual fs, and you can't do anything that way.

(echo 2.6.9 > /proc/sys/kernel/virt_osrelease under another kernel.). RTM.

Subject: Re: Gentoo Kernel Problems (2.6.8-openvz-022.077) Panics Immediately - "kernel too old"

Posted by [dev](#) on Sat, 15 Jul 2006 11:14:17 GMT

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looks like your glibc is too much restrictive.

you can simply patch the kernel Makefile to report more recent kernel version. This won't influence anything for sure.

Also you can try 2.6.16 kernel.

Subject: Re: Gentoo Kernel Problems (2.6.8-openvz-022.077) Panics Immediately - "kernel too old"

Posted by [Registered User](#) on Sat, 15 Jul 2006 19:37:36 GMT

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I have tried the same steps with the 2.6.16 kernel, using openvz's config, gentoo's, mine, the documentations, etc. with the same effect. I cannot help, but think I am doing something stupid which is cause this problem.

My glibc version is 2.3.6. I using the NPTL options.

I will try you recommendations and edit the Makefile. And I have run the most recent stable and it failed as well 2.6.8.022.078.

I appreciate your help.

Subject: Re: Gentoo Kernel Problems (2.6.8-openvz-022.077) Panics Immediately - "kernel too old"

Posted by [Vasily Tarasov](#) on Tue, 18 Jul 2006 06:17:40 GMT

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The problem is that your glibc is compiled with "kernel version flag" >= 2.6.17.

You can do the following to solve it:

add in /etc/make.conf the string

```
PORTDIR_OVERLAY="/usr/local/portage"
```

then

```
mkdir /usr/local/portage
```

```
mkdir /usr/local/portage/sys-libs
```

```
mkdir /usr/local/portage/sys-libs/glibc
```

copy to the folder above the contents of

```
/usr/portage/sys-libs/glibc
```

edit glibc-2.3.6-r4.ebuild (actually your version is `emerge --pretend glibc`): replabe `>=2.6.17`

then

```
ebuild /usr/local/portage/sys-libs/glibc/glibc-2.3.6-r4.ebuild digest
```

```
emerge glibc
```

reboot in openvz kernel.

Good luck.