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Subject: 32bit vztools and 64bit kernel

Posted by [Alexander GQ Gerasiov](#) on Mon, 21 Apr 2008 14:42:40 GMT

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Hello again.

I'm experimenting with openvz and found one more issue.

I'm using 32bit system Debian Lenny i386. Kernel compiled for i686 processor with vz-tools for i386 arch works ok, but when I tried to boot into x86\_64 kernel (with the same 32bit userspace) vztools said strange things:

```
root@vice:~# ls /var/lib/vzquota/
root@vice:~# vzctl --verbose start 1001
Starting VE ...
Initializing quota ...
VE is mounted
Error: kernel does not support user resources. Please, rebuild with
CONFIG_USER_RESOURCE=y
VE start failed
Received signal: 11 in /usr/sbin/vzquota
Error: Unable to apply new quota values quota not running
Received signal: 11 in /usr/sbin/vzquota
VE is unmounted
```

If I turn off vz's disk quotas I see

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root@vice:~# vzctl --verbose start 1001
Starting VE ...
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VE start failed
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So I see 3 problems here:

1st. vzquota segfaults. Not really bad, but looks dirty a bit.

2nd. vzctl says something about CONFIG\_USER\_RESOURCE which is no longer used as I can see (It's absent in any Kconfig, but still used in tcp code patched with openvz patch)

3d. Finally 32bit userspace doesn't work with 64bit kernel. That's terrible %)

Am I right? How should I submit it to bugzilla? 3 different bugs or a single one?

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Best regards,  
Alexander GQ Gerasiov

Contacts:

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PGP fingerprint: 0628 ACC7 291A D4AA 6D7D 79B8 0641 D82A E3E3 CE1D

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Subject: Re: 32bit vztools and 64bit kernel  
Posted by [Alexander GQ Gerasiov](#) on Mon, 21 Apr 2008 14:53:30 GMT  
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Mon, 21 Apr 2008 18:42:40 +0400  
Alexander GQ Gerasiov <[gq@cs.msu.su](mailto:gq@cs.msu.su)> wrote:

> I'm experimenting with openvz and found one more issue.  
> I'm using 32bit system Debian Lenny i386. Kernel compiled for i686  
> processor with vz-tools for i386 arch works ok, but when I tried to  
> boot into x86\_64 kernel (with the same 32bit userspace) vztools said

`gq@vice:~/adm/linux-source/linux-2.6$ /usr/sbin/vzctl --version`  
`vzctl version 3.0.22`

`gq@vice:~/adm/linux-source/linux-2.6$ /usr/sbin/vzquota --version`  
`Vzquota version 2.5.0`  
hmmm... strange, It's 3.0.11-1 package. Btw, I tried 3.0.12 from git  
with the same result.

`gq@vice:~/adm/linux-source/linux-2.6$ uname -a`  
`Linux vice 2.6.24-1-openvz-amd64 #1 SMP Tue Apr 15 19:42:34 GMT 2008`  
`x86_64 GNU/Linux`

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Best regards,  
Alexander GQ Gerasiov

Contacts:

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Homepage: <http://gq.net.ru> ICQ: 7272757  
PGP fingerprint: 0628 ACC7 291A D4AA 6D7D 79B8 0641 D82A E3E3 CE1D

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Subject: Re: 32bit vztools and 64bit kernel

yes. it's known incompatibility. plz use 64bit tools with 64bit kernel.  
there was a bug, but it's low priority, since not critical/major one.

Alexander GQ Gerasiov wrote:

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