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

root@vice:~# vzctl --verbose start 1001
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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?

--
Best regards,
Alexander GQ Gerasiov

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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> wrote:

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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

--
Best regards,
Alexander GQ Gerasiov

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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.

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