
Subject: Re: PPC64 Kernel 2.6.18 + RPM packages

Posted by [dev](#) on Wed, 23 May 2007 12:47:29 GMT

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looks like you have 32bit binaries in vzctl since configure script didn't add -m64 to CFLAGS, though it has a code in configure.ac for this.
Checking...

Kirill

Christian Kaiser2 wrote:

> Hi all,

>

> I did my first steps with OpenVZ on a JS21 Blade. I'm running FC6 and built
> my own 2.6.18 kernel from kernel.org with your latest patches (028stab31).
> I used the default kernel config (not yours but from vanilla kernel) and I
> removed support for checkpointing. There was no menu entry for the Fair CPU
> scheduler in the menuconfig for the powerpc architecture. The compilation
> failed printing the following lines:

>

> In file included from drivers/media/video/pwc/pwc-uncompress.c:29:

> include/asm/current.h: In function 'get_current':

> include/asm/current.h:23: warning: implicit declaration of function

> 'offsetof'

> include/asm/current.h:23: error: expected expression before 'struct'

> make[4]: *** [drivers/media/video/pwc/pwc-uncompress.o] Error 1

> make[3]: *** [drivers/media/video/pwc] Error 2

> make[2]: *** [drivers/media/video] Error 2

> make[1]: *** [drivers/media] Error 2

> make: *** [drivers] Error 2

>

> Then I replaced the include/asm/current.h file with the

> include/asm/current.h file of the vanilla kernel and compiled for new. Now

> it works. I could compile and boot the kernel with your patches (excluding

> the include/asm/current.h file).

>

> After that I installed the ppc64 rpm packages of vzquota, vzctl and

> vzctl-lib. "vzkernel" and "vzquotamod" were missing so I had to force the

> installation (--nodeps) because I did the kernel compilation on my own,

> right?

> After installation I tried to run /etc/init.d/vz start but it failed because

> of a missing library libvzctl-0.0.2.so. I found it in /usr/lib64 instead of

> /usr/lib.

>

> [root@s10b10-0 ~]# /etc/init.d/vz start

> Starting OpenVZ: [OK]

> Bringing up interface venet0: [OK]

> Configuring interface venet0: [OK]

```

> vzctl set 0 --cpuunits 1000 failed: /usr/sbin/vzctl: error [FAILED]ading
> shared libraries: libvzctl-0.0.2.so: cannot open shared object file: No
> such file or directory
>
> It seems to be that there is a mixture of 32 and 64 bit binaries and libs.
> See that output of /usr/sbin:
>
> [root@s10b10-0 sbin]# file vz*
> vzcalc:      ELF 32-bit MSB executable, PowerPC or cisco 4500, version 1
> (SYSV), for GNU/Linux 2.6.4, dynamically linked (uses shared libs), for
> GNU/Linux 2.6.4, not stripped
> vzcfgvalidate: ELF 32-bit MSB executable, PowerPC or cisco 4500, version 1
> (SYSV), for GNU/Linux 2.6.4, dynamically linked (uses shared libs), for
> GNU/Linux 2.6.4, not stripped
> vzcpucheck:  Bourne-Again shell script text executable
> vzctl:      ELF 32-bit MSB executable, PowerPC or cisco 4500, version 1
> (SYSV), for GNU/Linux 2.6.4, dynamically linked (uses shared libs), for
> GNU/Linux 2.6.4, not stripped
> vzdqcheck:   ELF 64-bit MSB executable, cisco 7500, version 1 (SYSV), for
> GNU/Linux 2.6.4, dynamically linked (uses shared libs), for GNU/Linux
> 2.6.4, stripped
> vzdqdump:    ELF 64-bit MSB executable, cisco 7500, version 1 (SYSV), for
> GNU/Linux 2.6.4, dynamically linked (uses shared libs), for GNU/Linux
> 2.6.4, stripped
> vzdqload:    ELF 64-bit MSB executable, cisco 7500, version 1 (SYSV), for
> GNU/Linux 2.6.4, dynamically linked (uses shared libs), for GNU/Linux
> 2.6.4, stripped
> vzlist:      ELF 32-bit MSB executable, PowerPC or cisco 4500, version 1
> (SYSV), for GNU/Linux 2.6.4, dynamically linked (uses shared libs), for
> GNU/Linux 2.6.4, not stripped
> vzmemcheck:  ELF 32-bit MSB executable, PowerPC or cisco 4500, version 1
> (SYSV), for GNU/Linux 2.6.4, dynamically linked (uses shared libs), for
> GNU/Linux 2.6.4, not stripped
> vzmigrate:   Bourne-Again shell script text executable
> vznetcfg:    Bourne-Again shell script text executable
> vzpid:       Bourne-Again shell script text executable
> vzquota:     ELF 64-bit MSB executable, cisco 7500, version 1 (SYSV), for
> GNU/Linux 2.6.4, dynamically linked (uses shared libs), for GNU/Linux
> 2.6.4, stripped
> vzsplit:     ELF 32-bit MSB executable, PowerPC or cisco 4500, version 1
> (SYSV), for GNU/Linux 2.6.4, dynamically linked (uses shared libs), for
> GNU/Linux 2.6.4, not stripped
>
> or here a 32 bit object file in /usr/lib64 directory ??
>
> [root@s10b10-0 sbin]# file /usr/lib64/libvzctl-0.0.2.so
> /usr/lib64/libvzctl-0.0.2.so: ELF 32-bit MSB shared object, PowerPC or
> cisco 4500, version 1 (SYSV), not stripped

```

>
> So moving the lib from /usr/lib64 to /usr/lib solved my problem but showed
> another error when starting /etc/init.d/vz start
>
> [root@s10b10-0 vzctl-3.0.16]# /etc/init.d/vz start
> Starting OpenVZ: [OK]
> Bringing up interface venet0: [OK]
> Configuring interface venet0: [OK]
> vzctl set 0 --cpuunits 1000 failed: Setting CPU units: 1000
> fairsched_chwt: No such file or directory
> WARNING: Settings were not saved and will be resetted to or[FAILED]alues on
> next start (use --save flag)
>
> What is "fairsched_chwt"? And why is it missing in my configuration?? An VE
> creation works fine:
>
> [root@s10b10-0 cache]# vzctl create 101 --ostemplate
> debian-3.1-powerpc-minimal --ipadd 192.168.0.101 --hostname ve101
> Creating VE private area (debian-3.1-powerpc-minimal)
> Warning: Temp dir /vz/private/101.tmp already exists, deleting
> Performing postcreate actions
> VE private area was created
>
> but starting an VE fails. There is no verbose output on that even when I
> switch it on.
>
> [root@s10b10-0 ~]# vzctl --verbose start 101
> Starting VE ...
> VE is mounted
> VE start failed
> VE is unmounted
> [root@s10b10-0 ~]#
>
> Can someone help me on this?
>
> Mit freundlichen Grüßen / Best Regards
> Christian Kaiser
> --
> IBM Deutschland Entwicklung GmbH
> Open Systems Firmware Development
> mail: ckaiser2@de.ibm.com
>
> IBM Deutschland Entwicklung GmbH
> Vorsitzender des Aufsichtsrats: Martin Jetter
> Geschäftsführung: Herbert Kircher
> Sitz der Gesellschaft: Böblingen
> Registergericht: Amtsgericht Stuttgart, HRB 243294
>
