

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]adding
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
vzsplitt:    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 reset 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

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