
Subject: Kernel panic when booting with Ubuntu OpenVZ kernel

Posted by [opzfusr](#) on Sat, 01 Nov 2014 00:40:07 GMT

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Hello,

I want to use OpenVZ on my Ubuntu 14.04 Trusty platform. I installed the RHEL6 2.6.32 kernel (vzkernel_2.6.32-042stab093.5_amd64 kernel) following the instructions given in www.howtoforge.com/installing-and-using-openvz-on-ubuntu-13.04-amd64

When the machine is booted with the vzkernel_2.6.32, I get the following error:
"Kernel panic - not syncing: Fatal exception"

and the boot freezes. However, I can interrupt the booting and reboot with the original Ubuntu kernel and the machine boots fine.

Please see the attached screen shots (Sorry, I cannot make the URL clickable as this is my first post).

imgur.com/7Veclg7

imgur.com/5VjBZUj

Hardware: Dell PowerEdge T105 (quad core cpu, 8 GB RAM)

OS: Ubuntu 14.04 (Trusty) 64-bit

uname -r: 3.13.0-39-generic

I have installed the following components for the OpenVZ:

ploop-1.12.1-1.x86_64.rpm

vzctl-core-4.8-1.x86_64.rpm

ploop-lib-1.12.1-1.x86_64.rpm

vzkernel-2.6.32-042stab093.5.x86_64.rpm

vzctl-4.8-1.x86_64.rpm

vzquota-3.1-1.x86_64.rpm

I used the following steps for the installation:

```
$ sudo dpkg -i vz*.deb ploop*.deb
```

```
$ sudo vim /etc/default/grub
```

```
$ sudo update-grub
```

```
$ sudo update-rc.d vz defaults
```

```
$ sudo update-rc.d vzeventd defaults
```

```
$ sudo ln -s /usr/lib64/libvzctl-4.8.so /usr/lib
```

```
$ sudo ln -s /usr/lib64/libploop.so.1.12.1 /usr/lib
```

```
$ sudo vi /etc/init.d/vz
```

Added the following:

```
$ sudo vi /etc/sysctl.conf
```

```
[...]
```

```
net.ipv4.conf.all.rp_filter=1
```

```
net.ipv4.icmp_echo_ignore_broadcasts=1
```

```
net.ipv4.conf.default.forwarding=1
```

```
net.ipv4.conf.default.proxy_arp = 0
```

```
net.ipv4.ip_forward=1
```

```
kernel.sysrq = 1
```

```
net.ipv4.conf.default.send_redirects = 1
```

```
net.ipv4.conf.all.send_redirects = 0
```

```
net.ipv4.conf.eth0.proxy_arp=1
```

```
[...]
```

```
$ sudo sysctl -p
```

```
$ sudo apt-get install vzdump
```

Any help in fixing this is greatly appreciated.

Thanks
