Subject: OpenVZ kernel not loading in CentOS 5.2
Posted by dave29 on Fri, 17 Oct 2008 15:49:21 GMT
View Forum Message <> Reply to Message

Hi,

I´m installing OpenVZ over a fresh CentOS 5.2 install. I follow instructions and everything seems to be fine until I

finally reboot the system to make the new kernel active. On start up the system complains over a missing kernel module (Can't find venet kernel module) and so it reverts to the default centos kernel. SO when I try to run vz it says the running kernel is not openVZ kernel.
lsmod is not listing the module.

I tried installing the modules from yum and rpm packages and both failed.

The strange thing is that grub does not show both kernels as I suppose it should, It only shows the default

kernel. But /boot/grub/grub.conf seems to be perfectly fine, here is the listing:

```
# grub.conf generated by anaconda
#
# Note that you do not have to rerun grub after making changes to this file
# NOTICE:  You do not have a /boot partition.  This means that
#          all kernel and initrd paths are relative to /, eg.
#          root (hd0,0)
#          kernel /boot/vmlinuz-version ro root=/dev/mapper/ddf1_Array01p1
#          initrd /boot/initrd-version.img
#boot=/dev/mapper/ddf1_Array01
default=0
timeout=5
splashimage=(hd0,0)/boot/grub/splash.xpm.gz
hiddenmenu
title OpenVZ (2.6.18-92.1.1.el5.028stab057.2)
        root (hd0,0)
        kernel /boot/vmlinuz-2.6.18-92.1.1.el5.028stab057.2 ro root=LABEL=/
        initrd /boot/initrd-2.6.18-92.1.1.el5.028stab057.2.img
title CentOS (2.6.18-92.el5)
        root (hd0,0)
        kernel /boot/vmlinuz-2.6.18-92.el5 ro root=LABEL=/
        initrd /boot/initrd-2.6.18-92.el5.img
```

I added pci=noacpi at the end of the OpenVZ kernel line and it made no difference.

So, can anybody tell me what am I doing wrong?? Is it the kernel or grub what is failing?

Just in case, the system is a HP DL140 Dual xeon.

Thank you.

Subject: Re: OpenVZ kernel not loading in CentOS 5.2
Posted by maratrus on Mon, 20 Oct 2008 08:43:30 GMT
View Forum Message <> Reply to Message

Quote:
Can't find venet kernel module

Hello, could you please specify the moment in which the previous message appears. There is no such module as venet module. The exact text output (or photo) would be great.

Quote:
and so it reverts to the default centos kernel.

How does it revert? According to your grub.conf file "default=0". Do you chose the default CentOS kernel manually?

Subject: Re: OpenVZ kernel not loading in CentOS 5.2
Posted by dave29 on Mon, 20 Oct 2008 11:37:20 GMT
View Forum Message <> Reply to Message

Hi,
Actually at the moment I can't send you any picture of the system response because the issue was already solved over the weekend.

Centos was installed via PXE over the network and in the process it was loading the sata_promise driver. I thought this module was not included in the standard modules compiled in the OpenVZ kernel and decided to replace the promise card with an Adaptec 2420, which is the real card these servers will use. With the adaptec card everything went smooth and the process completed fine.

However, I have several other servers that will probably use a version of the promise card so I want this issue solved. I will put the promise card in another machine of the same model and repeat the installation to send the full details.

Centos was only showing on the menu the standard kernel but then tried to load the openvz kernel. It brought up the eth0 card and then tried to bring up the veth0 one and that's what failed with the venet module message. Later on in the start up process it also showed the openvz kernel failing to load. I'll give you full details and screenshots in a few hours.