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Subject: CentOS/RHEL-Kernel: Error 13: Invalid or unsupported executable format  
Posted by [Xandrian](#) on Wed, 05 Dec 2007 08:06:43 GMT

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Hi,

after a long time I have a new problem with OpenVZ now. I tried to install the new RHEL Kernel on my CentOS machine...

What I have done: Downloaded the 2.6.18 source from kernel.org. Then get down the Patch-File from the OpenVZ-Seite (the latest and the previous version - same problem). In the third step i configured the kernel and generated it.

```
# make configure
[added XEN, removed unneeded drivers]
# make
# make modules_install
# make install
# mkinitrd...
```

```
After that i modified the grub.conf
title 2.6.18-openvz_xen (Test)
    root (hd0,0)
    kernel /boot/vmlinuz-2.6.18 ro root=/dev/sda1
    module /boot/initrd-2.6.18.img
```

When I reboot the machine i get the following message from grub: Error 13: Invalid or unsupported executable format

The grub manual says:

13 : Invalid or unsupported executable format

This error is returned if the kernel image being loaded is not recognized as Multiboot or one of the supported native formats (Linux zImage or bzImage, FreeBSD, or NetBSD).

But that will not really help me. It should be the right kernel (gzip). I don't know what I am doing wrong. Can someone help me?

Thanks. Rgds, Tobias

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Subject: Re: CentOS/RHEL-Kernel: Error 13: Invalid or unsupported executable format

Posted by [vaverin](#) on Wed, 05 Dec 2007 11:23:17 GMT

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At the first glance all looks correct.

You to run "file" command on currently used kernel and on new ones and then compare results.

Do you able to install and boot our pre-built RHEL-based kernels?

Thank you,  
Vasily Averin.

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Subject: Re: CentOS/RHEL-Kernel: Error 13: Invalid or unsupported executable format

Posted by [Xandrian](#) on Wed, 05 Dec 2007 11:32:18 GMT

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Hi,

thanks for you answer. Here the results of the file command - I hope it's that you want.

```
# file /boot/vmlinuz-2.6.20-ovz005
/boot/vmlinuz-2.6.20-ovz005: x86 boot sector
# file /boot/vmlinuz-2.6.18-openvz_xen
/boot/vmlinuz-2.6.18-openvz_xen: gzip compressed data, from Unix, max compression
```

I had big problems with the pre-build kernels during installing my server in April. So I am not using prebuild kernels and using my own one. So i cannot tell you, if it will run. The second problem is, it's a productive server. So i don't want to "play" so much...

Rgds, Tobias

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