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Subject: Re: ovzkernels not booting - where to look first  
Posted by [khorenko](#) on Wed, 01 Aug 2007 13:33:45 GMT  
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Hello Ugo,

1) can you please check that the processor supports the PAE?

```
# cat /proc/cpuinfo
```

```
...
flags      : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush
mmx fxsr sse sse2 syscall nx mmxext lm 3dnowext 3dnow pni
...
```

e.g. 'pae' flag should present.

2)

Quote:it may be initrd related issue. are you sure that initrd image for new kernel has been created correctly?

Could you please check the /etc/grub.conf (or lilo.conf if you are using lilo). There should be an entry for the newly installed ovzkernel-PAE-2.6.18-8.1.8.el5.028stab039.1

Do those files mentioned in 'kernel' and 'initrd' sections exist in /boot? Could you please try to recreate initrd file using the following command? Are there any errors reported?

```
# mkinitrd -v -f /boot/initrd-2.6.18-8.1.8.el5.028stab039.1PAE.img
2.6.18-8.1.8.el5.028stab039.1PAE
```

Quote:Could you please try to install RHEL5/CentOs5 kernel on the node?

Well, could you try to install a stock kernel from CentOS 5 and boot in it?

For example that one: <http://isoredirect.centos.org/centos/5/updates/i386/RPMS/kernel-PAE-2.6.18-8.1.8.el5.i686.rpm>

3) If all of this won't work, please, try to attach a serial console to the node or at least KVM. This will allow us to collect the boot logs or at least to see the last messages. If you are going to the colocation facility, please, take a photo with you and take a photo of a screen of a hanged node. If we are lucky the last messages can contain useful information.

[http://wiki.openvz.org/Remote\\_console\\_setup](http://wiki.openvz.org/Remote_console_setup)

Hope this helps.

Thank you,  
Konstantin.

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