Subject: Kernel Problem
Posted by SixtyClear on Thu, 09 Aug 2007 20:11:09 GMT
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I am trying to install the x64 kernel on a x64 copy of CentOS 4.5

However it fails, and outputs the following, any idea on a fix, or advice.

```
[root@node01 ~]# rpm -ihv
http://download.openvz.org/kernel/branches/2.6.18/028stab039.1/kernel-smp-2.6.18-ovz028stab0
39.1.x86_64.rpm
Retrieving
http://download.openvz.org/kernel/branches/2.6.18/028stab039.1/kernel-smp-2.6.18-ovz028stab0
39.1.x86_64.rpm
Preparing...                ########################################### [100%]
   1:kernel-smp             ########################################### [100%]
/sbin/mkinitrd: line 102: [: =: unary operator expected
/sbin/mkinitrd: line 102: [: =: unary operator expected
/sbin/mkinitrd: line 102: [: =: unary operator expected
/sbin/new-kernel-pkg: line 200:  3189 Segmentation fault      /sbin/mkinitrd --allow-missing -f
$initrdfile $version
mkinitrd failed
error: %post(kernel-smp-2.6.18-ovz028stab039.1.x86_64) scriptlet failed, exit status 1
```

Subject: Re: Kernel Problem
Posted by tanfwc on Thu, 09 Aug 2007 21:50:46 GMT
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does it return anything if you type this?

which mkinitrd

Subject: Re: Kernel Problem
Posted by dougy on Thu, 09 Aug 2007 21:55:22 GMT
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```
[root@node01 ~]# which mkinitrd
/sbin/mkinitrd
```

Sixtyclear just posted it for me as he was doing the setup on the server for me.

Subject: Re: Kernel Problem
Posted by tanfwc on Thu, 09 Aug 2007 21:58:13 GMT

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it seems to be a bug. You might want to file a bug report on this.

http://bugzilla.openvz.org

Anyway, you might want to install the 32 bit kernel first?

Subject: Re: Kernel Problem
Posted by dougy on Thu, 09 Aug 2007 21:59:56 GMT
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tanfwc wrote on Thu, 09 August 2007 17:58it seems to be a bug. You might want to file a bug report on this.

http://bugzilla.openvz.org

Anyway, you might want to install the 32 bit kernel first?

I was told big performance decrease, being that it's an Athlon X2 4200+.

Subject: Re: Kernel Problem
Posted by tanfwc on Thu, 09 Aug 2007 22:03:48 GMT
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how about trying 2.6.9 kernel?

Quote: http://download.openvz.org/kernel/branches/rhel4-2.6.9/023st
ab044.4/ovzkernel-smp-2.6.9-023stab044.4.x86_64.rpm

Subject: Re: Kernel Problem
Posted by dougy on Thu, 09 Aug 2007 22:06:17 GMT
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Seems smoother now. I'll have the admin test.

Subject: Re: Kernel Problem
Posted by dougy on Thu, 09 Aug 2007 22:09:10 GMT
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http://download.openvz.org/kernel/branches/2.6.20/2.6.20-ovz
007.1/kernel-2.6.20-ovz007.1.x86_64.rpm

I tried that and it installed smoothly. This is a fresh install (trying to make OpenVZ work for the first time).

Subject: Re: Kernel Problem
Posted by tanfwc on Thu, 09 Aug 2007 22:11:55 GMT
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if you have more than 1 processor, it is better that you install smp support

Subject: Re: Kernel Problem
Posted by dougy on Thu, 09 Aug 2007 22:13:10 GMT
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It's okay, I have to give up anyway as the kernel doesn't include NVIDIA NIC support.

Subject: Re: Kernel Problem
Posted by tanfwc on Thu, 09 Aug 2007 22:29:18 GMT
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alright. Enjoy your new openvz

Subject: Re: Kernel Problem
Posted by vaverin on Fri, 10 Aug 2007 05:47:51 GMT
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mkinitrd creates initrd image -- script that loads the drivers required for mounting root partition. mkinitrd from CentOs4 distribution was tuned for RHEL4 (2.6.9) based kernels, knows nothing about more fresh kernels and therefore can fail on the some nodes.

If you wish to use 2.6.18 kenrels I would recommend you to install CehtOs 5 on HW node and then install RHEL5 based OpenVZ kernels.

ALso I would note that IMHO CentOs5 should support NVidia NIC on your node. And if it works on CentOs 5 kernel -- then it should works on the RHEL5-based OpenVz kernels too.

Thank you,
Vasily Averin