
Subject: Can't update my kernel

Posted by [MustangV10](#) on Wed, 15 Aug 2012 14:03:04 GMT

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Hi,

I've come across this error more than once, and never done anything about it and today I thought I would ask on the forum to see if there's a fix. Here's what happens when I try to run a yum update.

```
=====
[root@x3430-20648 /]# yum update
Loaded plugins: fastestmirror, security
Loading mirror speeds from cached hostfile
* base: mirrors.kernel.org
* extras: centos4.centos.org
* openvz-kernel-rhel6: mirrors.abdicar.com
* openvz-utils: mirrors.abdicar.com
* soluslabs: mirror.us1.soluslabs.net
* updates: centosk2.centos.org
Setting up Update Process
Resolving Dependencies
--> Running transaction check
---> Package kernel.x86_64 0:2.6.32-279.5.1.el6 will be installed
--> Processing Dependency: kernel-firmware >= 2.6.32-279.5.1.el6 for package:
kernel-2.6.32-279.5.1.el6.x86_64
--> Finished Dependency Resolution
Error: Package: kernel-2.6.32-279.5.1.el6.x86_64 (updates)
Requires: kernel-firmware >= 2.6.32-279.5.1.el6
Installed: vzkernel-firmware-2.6.32-042stab059.7.noarch (@openvz-kernel-rhel6)
kernel-firmware = 2.6.32-279.1.1.el6
Available: kernel-firmware-2.6.32-279.el6.noarch (base)
kernel-firmware = 2.6.32-279.el6
Available: kernel-firmware-2.6.32-279.1.1.el6.noarch (updates)
kernel-firmware = 2.6.32-279.1.1.el6
Available: kernel-firmware-2.6.32-279.2.1.el6.noarch (updates)
kernel-firmware = 2.6.32-279.2.1.el6
Available: kernel-firmware-2.6.32-279.5.1.el6.noarch (updates)
kernel-firmware = 2.6.32-279.5.1.el6
You could try using --skip-broken to work around the problem
You could try running: rpm -Va --nofiles --nodigest
[root@x3430-20648 /]#
=====
```

Here's the output of `uname -a`:

```
=====
[root@x3430-20648 /]# uname -a
Linux x3430-20648 2.6.32-042stab059.7 #1 SMP Tue Jul 24 19:12:01 MSK 2012 x86_64 x86_64
x86_64 GNU/Linux
[root@x3430-20648 /]#
=====
```

Here's what's in my /boot folder. Why you would need that, I don't know but here it is anyway:

```
=====
config-2.6.32-042stab059.7
initrd-2.6.32-279.el6.x86_64kdump.img
config-2.6.32-279.el6.x86_64
symvers-2.6.32-042stab059.7.gz
efi
symvers-2.6.32-279.el6.x86_64.gz
grub
System.map-2.6.32-042stab059.7
initramfs-2.6.32-042stab059.7.img System.map-2.6.32-279.el6.x86_64
initramfs-2.6.32-279.el6.x86_64.img vmlinuz-2.6.32-042stab059.7
initrd-2.6.32-042stab059.7kdump.img vmlinuz-2.6.32-279.el6.x86_64
=====
```

Do you know what could be causing the yum update to fail?

Please note: I have tried running `rpm -Va --nofiles --nodigest` and `--skip-broken` but that hasn't helped. I have also tried to run `yum clean all`.

Thanks.

Subject: Re: Can't update my kernel
Posted by [Ales](#) on Thu, 16 Aug 2012 15:09:06 GMT
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Hmm... you seem to have kernel-firmware and vzkernelfirmware installed at the same time, which is odd - if I remember correctly, these should be conflicting. I might be wrong since I haven't used regular and OpenVZ kernels at the same time for quite a while... What I usually do is to uninstall regular kernels on our OpenVZ servers altogether.

As a very quick fix (unless you really need regular kernels) I'd advise you to either stop updating them or uninstall them completely.

So, either set your yum configuration to exclude `kernel*` or use `'yum update -x kernel*'`.

To uninstall them, use `'yum remove kernel*'`. Make sure your `/boot/grub/grub.conf` still points to your OpenVZ kernel (vzkernelfirmware) afterwards and that you still have vzkernelfirmware and vzkernelfirmware.

installed, of course.

Subject: Re: Can't update my kernel
Posted by [Paparaciz](#) on Thu, 16 Aug 2012 17:44:37 GMT
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<http://wiki.openvz.org/Vzkernel-firmware>

Subject: Re: Can't update my kernel
Posted by [ChrisM](#) on Thu, 20 Dec 2012 12:31:09 GMT
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Hi Ales,

This is great advice - thanks. It helped us out here too (and in particular the link to the Wiki article solved the problem).

Just to double check, should we not be updating the standard kernel packages when updates are available because we are running vzkernel instead?

Thanks,
Chris

Subject: Re: Can't update my kernel
Posted by [Ales](#) on Thu, 20 Dec 2012 22:15:39 GMT
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You can update original kernels if you wish, there is no harm in that. But since they aren't used, I see no point...

Subject: Re: Can't update my kernel
Posted by [ChrisM](#) on Fri, 21 Dec 2012 09:50:09 GMT
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That makes sense - thanks! I'll just block kernel* updates in the Yum repo configuration.
