
Subject: Kernel Version Error?

Posted by [mperkel](#) on Fri, 11 Apr 2008 15:44:02 GMT

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Why would I get this when using yum?

hal conflicts with kernel < 2.6.17

When I'm using the 2.6.24 kernel? How do I get around this? Any way to fake a newer kernel?

Subject: Re: Kernel Version Error?

Posted by [kir](#) on Fri, 11 Apr 2008 16:07:53 GMT

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Could you be more specific and provide more details?

Is this error from yum on the host system, or from inside a container? If latter, what distro is it, and what template is it? What are you trying to do with yum?

Subject: Re: Kernel Version Error?

Posted by [maratrus](#) on Fri, 11 Apr 2008 16:21:06 GMT

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Hi,

may be this page helps you

http://forum.openvz.org/index.php?t=msg&goto=27856&# msg_27856

Subject: Re: Kernel Version Error?

Posted by [mperkel](#) on Fri, 11 Apr 2008 17:10:11 GMT

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It's from yum from within the VE. Apparently yum thinks the kernel < 2.6.17.

Subject: Re: Kernel Version Error?

Posted by [kir](#) on Fri, 11 Apr 2008 18:27:50 GMT

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I still need to know what template/distro is it.

Also, could you run yum with -d 255 -v 255 and post its output here (as an attachment if it's way

long)?

Subject: Re: Kernel Version Error?

Posted by [mperkel](#) on Fri, 11 Apr 2008 18:33:16 GMT

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It's Fedora 8 64 bit.

I tried the yum command and that didn't work. Gave me info on how to use yum.

Subject: Re: Kernel Version Error?

Posted by [skizzo](#) on Wed, 25 Jun 2008 12:34:29 GMT

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I am having exactly the same problem. I cannot install a number of packages as they all depend on hal. Can anyone kindly provide guidance for solving this issue? Thank you.

```
#cat /proc/sys/kernel/virt_osrelease
2.6.18-ovz028stab053.5-smp
```

```
# uname -r
2.6.18-ovz028stab053.5-smp
```

```
# rpm -qa | grep kernel
kernel-headers-2.6.23.17-88.fc7
```

```
# rpm -q hal
package hal is not installed
```

```
# yum install hal
[...]
Error: hal conflicts with kernel < 2.6.17
```

```
# rpm -q --whatprovides kernel
dummy-fedora-core-4-1.0-4.swsoft
```

```
rpm -e dummy-fedora-core-4-1.0-4.swsoft
error: Failed dependencies:
    ethtool >= 1.8-2 is needed by (installed) initscripts-8.54.1-1.i386
    mingetty is needed by (installed) initscripts-8.54.1-1.i386
    module-init-tools is needed by (installed) initscripts-8.54.1-1.i386
```

```
# yum install ethtool mingetty module-init-tools
[...]
Finished Transaction Test
Transaction Check Error:
/sbin/insmod conflicts with file from dummy-fedora-core-4-1.0-4.swsoft
/sbin/insmod.static conflicts with file from dummy-fedora-core-4-1.0-4.swsoft
/sbin/lsmmod conflicts with file from dummy-fedora-core-4-1.0-4.swsoft
/sbin/modprobe conflicts with file from dummy-fedora-core-4-1.0-4.swsoft

# rpm -q --provides dummy-fedora-core-4-1.0-4.swsoft
ethtool
kernel = 2.6.15
kernel-drm = 4.3.0
kernel-utils
mingetty
module-init-tools = 3.1
modutils = 3.1
dummy-fedora-core-4 = 1.0-4.swsoft
```

Subject: Re: Kernel Version Error?
Posted by [dowdle](#) on Thu, 26 Jun 2008 20:02:27 GMT
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Ok, I think I can solve this.

yum isn't doing a `uname -a` to see what the kernel version is, it is checking the rpm database... and finding no kernel installed. Same goes for a missing `hal`... or other packages. What you will have to do is install the missing packages... but doing so takes up unneeded disk space, and in the case of `udev` can sometimes cause container boot problems.

I have built a number of Fedora OS Templates with complete GUI desktops (KDE, GNOME, XFCE, etc) and have had to do a number of work arounds to bypass the same problems you are having.

The elegant way to solve the problem would be to create and use dummy packages for the problematic packages BUT sometimes I'm lazy and in a hurry so I haven't done it the elegant way yet.

What you do is you download the kernel, `udev` and `hal` rpm packages (and also possibly `module-init-tools`) and install them with `rpm` using the `--justdb` flag. You might also have to use `--force` or `--nodeps` if they gripe about deps. Once those are installed you might want to add an `exclude` for them in the `/etc/yum.conf` so future system updates won't try to upgrade to newer versions of those packages.

Once you have have tricked `rpm` into thinking it has those packages installed, you are pretty much free to install whatever you want without breaking anything.

I kinda cover this topic in the following article on my website:

<http://www.montanalinux.org/fedora-9-preview-into-openvz-os-template.html>

I have since updated to release version of Fedora 9. I haven't contributed my OS Templates "withGUI" because they are quite big... but if anyone wants them I can give you a URL.

I uploaded to the contrib pre-created OS Templates section the following OS Templates 2 days ago for anyone interested. They all include yum too!

<http://download.openvz.org/template/precreated/contrib/centos-4-i386-default-20080624.tar.gz>

http://download.openvz.org/template/precreated/contrib/centos-4-x86_64-default-20080624.tar.gz

<http://download.openvz.org/template/precreated/contrib/centos-5-i386-default-20080624.tar.gz>

http://download.openvz.org/template/precreated/contrib/centos-5-x86_64-default-20080624.tar.gz

<http://download.openvz.org/template/precreated/contrib/fedora-8-i386-default-20080624.tar.gz>

<http://download.openvz.org/template/precreated/contrib/fedora-9-i386-default-20080624.tar.gz>

Those are all current as of the date shown (20080624) and CentOS 4 is 4.6, CentOS 5 is 5.2. I haven't made any x86_64 Fedora OS Templates but if someone wants them I can.

Subject: Re: Kernel Version Error?

Posted by [dowdle](#) on Tue, 01 Jul 2008 23:37:34 GMT

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I was just wondering if my suggestion fixed your problem? Or was I just on the wrong track?

Subject: Re: Kernel Version Error?

Posted by [skizzo](#) on Mon, 07 Jul 2008 10:26:21 GMT

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Scott, sorry for the late response. Not being much familiar with all these dependencies issues I tried to limit as much as possible my intervention. What I did today, based on your post, was to simply "rpm --install --nodeps --justdb hal-0.5.9-8.fc7.i386.rpm". Then the hal-dependent ImageMagick installed smoothly via yum. I am not sure if that was a good idea, but then I also run "rpm --erase --nodeps --justdb hal-0.5.9-8.fc7.i386", so that future hal-dependent installations would not proceed blindly. Thank you for helping me out of this problem!

Subject: Re: Kernel Version Error?

Posted by [ovznewbie](#) on Tue, 23 Dec 2008 22:15:49 GMT

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Hi,

I have been trying for days to get a functional fedora 9 x86_64 os template to work with gnome and vnc installed but to no avail. The container ends up broken and cannot be made into a functional template.

Do you have any Fedora 64-bit templates available with a gui installed that i could perhaps download?

Thanks in advance,

Subject: Re: Kernel Version Error?

Posted by [dowdle](#) on Tue, 23 Dec 2008 22:19:42 GMT

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I have one that is a bit outdated... given the pace Fedora releases updates. I'll try and update it and give you a URL.

I wrote up a recipe a while back that should work for as an alternative. See:

<http://www.montanalinux.org/fedora-9-preview-into-openvz-os-template.html>

Subject: Re: Kernel Version Error?

Posted by [dowdle](#) on Tue, 23 Dec 2008 22:21:45 GMT

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Opps, sorry. I missed the part about x86_64. The one I had is i386. I'll see if the recipe I linked to in the previous send works for x86_64.

Subject: Re: Kernel Version Error?

Posted by [dowdle](#) on Tue, 23 Dec 2008 23:32:18 GMT

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Here's how to fix it when it breaks... usually this works anyway.

Most of the time the thing that causes the container to break is udev... because it messes up the entries in your /dev directory and they system isn't happy about that. To fix it you can usually

comment out the line that starts udev:

File: /etc/rc.sysinit

Line: /sbin/start_udev

Just add # to the line.

See if your container will start then.

As I type this, I'm in the middle of building a GUI Fedora 9 x86_64 template with the recipe I mentioned and it appears to be working. So you can create your own... or you can wait for a link to a very big .tar.gz file on a system that rate limites to 100K/sec to the outside world. Let me know what you prefer...

dowdle@montanalinux.org

Subject: Re: Kernel Version Error?

Posted by [ovznewbie](#) on Tue, 23 Dec 2008 23:40:47 GMT

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Hi,

First of all thank you for all the trouble you went through to help out on this.

I have been trying to use the recipe to make a Fedora 8 x86_64 and am stuck getting the following after having done the rpm -ivh --justdb --nodeps --force part on the packages and starting the yum -y groupinstall "GNOME Desktop Environment" and not being able to install the dbus * etc required.

Many thanks again and yes i would very much appreciate a link and will practice the art of patience

--> Finished Dependency Resolution

dbus-x11-1.1.2-7.fc8.x86_64 from fedora has depsolving problems

--> Missing Dependency: dbus = 1.1.2-7.fc8 is needed by package dbus-x11-1.1.2-7.fc8.x86_64 (fedora)

dbus-libs-1.1.2-7.fc8.i386 from fedora has depsolving problems

--> Missing Dependency: dbus = 1.1.2-7.fc8 is needed by package dbus-libs-1.1.2-7.fc8.i386 (fedora)

Error: Missing Dependency: dbus = 1.1.2-7.fc8 is needed by package

dbus-x11-1.1.2-7.fc8.x86_64 (fedora)

Error: Missing Dependency: dbus = 1.1.2-7.fc8 is needed by package dbus-libs-1.1.2-7.fc8.i386 (fedora)

Subject: Re: Kernel Version Error?

Posted by [dowdle](#) on Tue, 23 Dec 2008 23:44:55 GMT

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Ok, on the particular OS Template I used as a base I had to add the fuse package to my fake-package-install list. It's installing now. We'll see how it goes.

Subject: Re: Kernel Version Error?

Posted by [dowdle](#) on Wed, 24 Dec 2008 00:40:08 GMT

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Ok, got it done. I probably installed a lot more than you wanted (GNOME, KDE, all other desktops too, games, etc) but I did create a test user and start up GNOME just fine... and was able to connect and run applications just fine. I cleaned it up when done... removed the user, etc.

Here's the fake install package list I came up with:

```
rpm -ivh --justdb --nodeps --force http://img.cs.montana.edu/linux/fedora/updates/9/x86_64.newk  
ey/hal-libs-0.5.11-2.fc9.x86_64.rpm  
http://img.cs.montana.edu/linux/fedora/updates/9/x86_64.newk ey/hal-0.5.11-2.fc9.x86_64.rpm  
http://img.cs.montana.edu/linux/fedora/updates/9/x86_64.newk  
ey/kernel-2.6.27.7-53.fc9.x86_64.rpm  
http://img.cs.montana.edu/linux/fedora/updates/9/x86_64.newk ey/udev-124-2.fc9.x86_64.rpm  
http://img.cs.montana.edu/linux/fedora/releases/9/Everything  
/x86_64/os/Packages/module-init-tools-3.4-13.fc9.x86_64.rpm  
http://img.cs.montana.edu/linux/fedora/updates/9/x86_64.newk ey/fuse-2.7.4-1.fc9.x86_64.rpm
```

Here's a link... again it'll take forever to download because the system rate limits outside of the lan:

http://img.cs.montana.edu/linux/openvz/fedora-9-x86_64-withG UI.tar.gz

It is 1437MB so make sure the config you use to create the container with has a big enough disk space to accommodate it. Darn it I forgot to check how much disk was used before I destroyed it. I'd give it 10G just to have plenty of room.

Subject: Re: Kernel Version Error?

Posted by [dowdle](#) on Wed, 24 Dec 2008 00:47:41 GMT

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Oh, you'll probably want to strip -withGUI from the name of the OS Template as I'm not sure vzctl create knows what to do with that.

Subject: Re: Kernel Version Error?

Posted by [ovznewbie](#) on Wed, 24 Dec 2008 08:28:29 GMT

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Many thanks for your efforts. I will start downloading it and will advise when done.

Kindest regards,

Subject: Re: Kernel Version Error?

Posted by [ovznewbie](#) on Wed, 24 Dec 2008 19:30:11 GMT

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Hello again,

First of all a very Merry Christmas to you and your dear ones.

I did download the template and thank you again.

I tried to build it on an HyperVM platform and it built the server but when it tried to start it received the following error:

Alert: Could Not Start Vps, Reason: vzquota : (warning) quota usage is invalid for id 180, recalculating disk usage...: vzquota : (error) quota check : stat /vz/private/180.tmp: No such file or directory: vzquota on failed [1]:

I do not know if this is related to the template or not.

As you suggested i allocated 15GB disk space and 512 MB guaranteed RAM to the template.

I then tried to create it with unlimited disk space (160GB SATA maximum) and unlimited (4GB RAM maximum) on a Pentium D 3.0 GHz platform running HyperVM and it worked fine.

Kindest regards and thanks for all,