Subject: *SOLVED* Installing Gnome kills my /dev!
Posted by sherekhan on Fri, 04 Aug 2006 13:35:46 GMT
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I am trying to install Gnome on an OpenVZ VPS. The last ting that happens when I run 'vzyum 101 install gnome-session' is "Removing : vzdev", which effectifly strips down my 500+ /dev to a meager 4 entries, obviously rendering the system useless. I tried 'vzyum install vzdev', but it complains that I need udev >= 034-2. 'rpm -qa |grep udev' gives me 'udev-039-10.12.EL4'. Now what?

Hardware node is running CentOS 4.3 with 2.6.8-022stab78 kernel, VPS is based on centos-4-i386-default. I have tried both the downloadable template cache and creating my own updated one.

The last lines of output during install:

```
Installing: eog                  ###################### [ 98/112]
  Installing: gstreamer-plugins      ###################### [ 99/112]
  Installing: docbook-dtds           ###################### [100/112]
  Installing: scrollkeeper           ###################### [101/112]
  Installing: gthumb                 ###################### [102/112]
  Installing: gnome-media            ###################### [103/112]
  Installing: gnome-panel            ###################### [104/112]
  Installing: libgail-gnome          ###################### [105/112]
  Installing: openjade               ###################### [106/112]
  Installing: nautilus               ###################### [107/112]
  Installing: control-center         ###################### [108/112]
  Installing: gnome-volume-manager   ###################### [109/112]
  Installing: nautilus-cd-burner     ###################### [110/112]
  Installing: gnome-session          ###################### [111/112]
  Removing  : vzdev                  ###################### [112/112]

Installed: gnome-session.i386 0:2.8.0-5.centos4
Dependency Installed: GConf2.i386 0:2.8.1-1 ORBit2.i386 0:2.12.0-3 SDL.i386 0:1.2.7-8
VFlib2.i386 0:2.25.6-25 alsa-lib.i386 0:1.0.6-5.RHEL4 arts.i386 8:1.3.1-2 at-spi.i386 0:1.6.0-3
atk.i386 0:1.8.0-2 audiofile.i386 1:0.2.6-1 cdparanoia-libs.i386 0:alpha9.8-24 cdrecord.i386
8:2.01.1-5 chkfontpath.i386 0:1.10.0-2 control-center.i386 1:2.8.0-12.rhel4.2 cups.i386
1:1.1.22-0.rc1.9.10 dbus.i386 0:0.22-12.EL.5 dbus-glib.i386 0:0.22-12.EL.5
desktop-backgrounds-basic.noarch 0:2.0-26.2.1E desktop-file-utils.i386 0:0.9-2
device-mapper.i386 0:1.02.02-3.0.RHEL4 docbook-dtds.noarch 0:1.0-25 eel2.i386 0:2.8.1-2
eject.i386 0:2.0.13-11 eog.i386 0:2.8.1-2 esound.i386 1:0.2.35-2 evolution-data-server.i386
0:1.0.2-9 flac.i386 0:1.1.0-7 gail.i386 0:1.8.0-2 gamin.i386 0:0.1.1-3.EL4 ghostscript.i386
0:7.07-33 ghostscript-fonts.noarch 0:5.50-13 gnome-desktop.i386 0:2.8.0-5.centos4
gnome-icon-theme.noarch 0:2.8.0-1.el4.1.3 gnome-keyring.i386 0:0.4.0-1 gnome-media.i386
0:2.8.0-3 gnome-mime-data.i386 0:2.4.1-5 gnome-panel.i386 0:2.8.1-3.3E gnome-vfs2.i386
0:2.8.2-8.2 gnome-vfs2-smb.i386 0:2.8.2-8.2 gnome-volume-manager.i386 0:1.1.0-5 gnutls.i386
0:1.0.20-3.2.2 gphoto2.i386 0:2.1.4-7 gstreamer.i386 0:0.8.7-4.EL.0 gstreamer-plugins.i386
0:0.8.5-1.EL.0 gthumb.i386 0:2.4.2-7 gtk2.i386 0:2.4.13-18 hal.i386 0:0.4.2-3.EL4
```

hicolor-icon-theme.noarch 0:0.3-3 hotplug.i386 3:2004_04_01-7.6 htmlview.noarch 0:3.0.0-8 hwdata.noarch 0:0.146.18.EL-1 intltool.i386 0:0.31.2-1 libIDL.i386 0:0.8.4-1 libart_lgpl.i386 0:2.3.16-3 libbonobo.i386 0:2.8.0-2 libbonoboui.i386 0:2.8.0.99cvs20040929-2 libcap.i386 0:1.10-20 libcroco.i386 0:0.6.0-4 libdv.i386 0:0.103-1 libexif.i386 0:0.5.12-5.1 libgail-gnome.i386 0:1.1.0-1 libglade2.i386 0:2.4.0-5 libgnome.i386 0:2.8.0-2 libgnomecanvas.i386 0:2.8.0-1 libgnomecups.i386 0:0.1.12-5 libgnomeprint22.i386 0:2.8.0-3 libgnomeprintui22.i386 0:2.8.0-1 libgnomeui.i386 0:2.8.0-1 libgsf.i386 0:1.10.1-1 libmng.i386 0:1.0.8-1 libmusicbrainz.i386 0:2.0.2-11 libogg.i386 2:1.1.2-1 libraw1394.i386 0:0.10.1-3 librsvg2.i386 0:2.8.1-1.el4.1 libsoup.i386 0:2.2.1-4 libtheora.i386 0:1.0alpha3-5 libusb.i386 0:0.1.8-3 libvorbis.i386 1:1.1.0-1 libwnck.i386 0:2.8.1-1.rhel4.1 libxklavier.i386 0:1.02-3 lockdev.i386 0:1.0.1-6.1 lvm2.i386 0:2.02.01-1.3.RHEL4 metacity.i386 0:2.8.6-2.8 mikmod.i386 0:3.1.6-32.EL4 mkisofs.i386 8:2.01.1-5 nautilus.i386 0:2.8.1-4 nautilus-cd-burner.i386 0:2.8.3-6 openjade.i386 0:1.3.2-14 pango.i386 0:1.6.0-9 patch.i386 0:2.5.4-20 perl-HTML-Parser.i386 0:3.35-6 perl-HTML-Tagset.noarch 0:3.03-30 perl-URI.noarch 0:1.30-4 perl-XML-Parser.i386 0:2.34-5 perl-libwww-perl.noarch 0:5.79-5 qt.i386 1:3.3.3-9.3 redhat-artwork.i386 0:0.120.1-1.2E.centos4 redhat-logos.noarch 0:1.1.26-1.centos4.1 redhat-menus.noarch 0:3.7.1-2 scrollkeeper.i386 0:0.3.14-3 shared-mime-info.i386 0:0.15-10 startup-notification.i386 0:0.7-1 ttmkfdir.i386 0:3.0.9-14.1.EL udev.i386 0:039-10.12.EL4 urw-fonts.noarch 0:2.2-6.1 usbutils.i386 0:0.11-6.1 xloadimage.i386 0:4.1-36.RHEL4 xorg-x11-Mesa-libGLU.i386 0:6.8.2-1.EL.13.25.1 xorg-x11-font-utils.i386 0:6.8.2-1.EL.13.25.1 xorg-x11-xfs.i386 0:6.8.2-1.EL.13.25.1 xscreensaver.i386 1:4.18-5.rhel4.10
Complete!

The contents of /dev after install:

[morten@pumba ~]$ ls -lh /vz/private/101/dev/
totalt 4,0K
prw------- 1 root root   0 aug 22 2005 initctl
srw-rw-rw- 1 root root   0 aug 4 14:50 log
lrwxrwxrwx 1 root root   15 aug 4 14:50 MAKEDEV -> ../sbin/MAKEDEV
drwxr-xr-x 2 root root 4,0K des 14 2005 pts

Subject: Re: Installing Gnome kills my /dev!
Posted by Vasily Tarasov on Fri, 04 Aug 2006 13:57:24 GMT
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Why don't try to copy /dev/ from other VPS or from HN?
#cp -a /vz/private/VPSID/dev/ /vz/private/101/dev/

Subject: Re: Installing Gnome kills my /dev!
Posted by sherekhan on Fri, 04 Aug 2006 15:26:08 GMT
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vass wrote on Fri, 04 August 2006 09:57Why don't try to copy /dev/ from other VPS or from HN?

Actually, I did try that, sorry for not mentioning it. The VPS /dev gets repopulated alright, but the VPS still does not work like it should. I am unable to SSH in, and I am unable to 'vzctl enter' it. Some other stuff, including the web server, seems to work fine though.

From what I can see this boils down to conflicts between udev and vzdev. I have never seen vzdev before, but from what I can see it seems to be some /devfs implementation specifically tailored to vz environments. I can't even find any mention of it on the hardware node, and the package version when I install or list it on a VPS is 3.3.13-1.3.swsoft. So I figure that what I need is to figure out how to install Gnome without removing vzdev and/or installing udev. Am I getting warm?

Subject: Re: Installing Gnome kills my /dev!
Posted by sherekhan on Fri, 04 Aug 2006 15:53:09 GMT
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OK, so when I finally made the udev/vzdev connection I did yet another Google search, and came up with 1 single relevant hit: http://forum.openvz.org/index.php?t=msg&goto=3722&

So I found the vzdev rpm, copied it into the vz private area, and did:

```
[root@pumba morten]# vzctl exec 101 rpm -e --nodeps udev
[root@pumba morten]# vzctl exec 101 rpm -i /root/vzdev*
[root@pumba morten]# vzctl enter 101
entered into VPS 101
--bash-3.00# ls /dev |wc -l
532
-bash-3.00#
```

Subject: Re: Installing Gnome kills my /dev!
Posted by tibia on Fri, 23 Feb 2007 18:23:07 GMT
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Hello,
I am facing the same problem here.
I destroyed many VZs attempting to install gnome.
My problem is I can't apply the suggested solution: I am using Debian and I am not able to find vzdev package nowhere.
Any suggestion?

Regards
tb

Subject: Re: Installing Gnome kills my /dev!
Posted by Vasily Tarasov on Mon, 26 Feb 2007 11:08:18 GMT
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Hello, Tommaso.

Can you, please, create a new thread at forum and indicate there clearly what is your problem. Gnome installation/run? What fails, with what messages, etc.

Thank you,
Vasily.