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Subject: Install problems on dual opteron (64 bits), CentOS 4.4

Posted by [fgomes](#) on Thu, 05 Oct 2006 20:31:59 GMT

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This is my first message, I'm reading this forum for some months, and I find it very usefull, it solved all problems I had with 32 bit installations I made, but now I have a new 64 bit server, with dual opteron processor where I want to install openvz. I have installed 64 bit CentOS 4.4 without problems, and then install openvz kernel patch:

```
rpm -ivh ovzkernel-smp-2.6.8-022stab078.21.x86_64.rpm
```

I got two warning messages (I suppose related to the RAID controller I am using, 3ware 9550SX, now supported on the CentOS 4.4 kernel, but it seems not supported on openvz kernel patch):

WARNING: No module 3w-9xxx found for kernel 2.6.8-022stab078.21-smp, continuing anyway

WARNING: No module sata\_svw found for kernel 2.6.8-022stab078.21-smp, continuing anyway

Then I make the necessary configuration changes on sysctl and rebooted and all worked as expected (I don't know how is it working without the modules for the RAID controller thow).

Then I started installing OpenVZ packages, following OpenVZ user's guide (vzctl, vzquota and vzpkg) and I run into problems... vzpkg depends on vzctl and vzyum, but vzctl is already installed and vzyum installation fails because it depends on cElementTree.so - I saw in other topic that there is a problem with 64 bit dependencies for vzyum. Then I tried to start openvz using /etc/init.d/vz and found that there is no vz script on init.d.

When is the vz script installed in init.d? Is it with the openvz kernel patch? How can it be missing?

Is there any known way of installing full 64 bit openvz kernel patch and tools? I want to have full 64 bit OS on hardware node and on virtual machines.

Can you give me some advice about it?

Thanks!

Fernando

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Subject: Re: Install problems on dual opteron (64 bits), CentOS 4.4

Posted by [HaroldB](#) on Fri, 06 Oct 2006 04:21:30 GMT

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Quote:I don't know how is it working without the modules for the RAID controller thow.

The drivers are compiled into the kernel, they are not modules. Due to this, your hardware will be detected by the kernel during boot just the same. This is not a problem.

Quote: vzpkg depends on vzctl and vzyum, but vzctl is already installed and vzyum installation fails because it depends on cElementTree.so

use this to install vzyum on 64bit centos:

```
rpm -ivh vzyum*.rpm --nodeps
```

Then, edit file /usr/share/vzpkg/cache-os and comment out the line starting with PYTHONPATH.

reference: <http://forum.openvz.org/index.php?t=msg&goto=889&>

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Subject: Re: Install problems on dual opteron (64 bits), CentOS 4.4

Posted by [fgomes](#) on Fri, 06 Oct 2006 09:44:15 GMT

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Thanks for your fast reply!

Before I read your message, I tried the quick installation guide methode, using yum, so I configured openvz repository and installed all the tools without any error... but it seems to me that the tools installed are the 32 versions, not the 64 bit version...

After that, I downloaded a precreated cache for the centos 64 bit minimal, created a VE and it worked well. Then I found that vzyum doesn't work - probably because of not having metadata. The CentOS minimal hasn't yum installed, so I suppose the only way to install things in this VE is to use RPM directly on the VE. Where can I get metadata for a 64 bit OS template?

```
# vzyum 101 install xpto
```

```
ERROR: No such OS template: install
```

Then, I installed metadata for centos i386, but vzpkgcache fails:

Creating cache for centos-4-i386-default OS template

There was a problem importing one of the Python modules required to run yum. The error leading to this problem was:

```
/usr/share/vzpkgtools/vzrpm43/lib/python2.3/site-packages/rpmmodule.so: cannot open shared object file: No such file or directory
```

Please install a package which provides this module, or verify that the module is installed correctly.

It's possible that the above module doesn't match the current version of Python, which is:

```
2.3.4 (#1, Mar 13 2006, 07:49:07)
```

```
[GCC 3.4.4 20050721 (Red Hat 3.4.4-2)]
```

If you cannot solve this problem yourself, please send this message to <[yum@lists.linux.duke.edu](mailto:yum@lists.linux.duke.edu)>.

```
ERROR: yum failed with 1 exit code
```

```
Creating cache for centos-4-i386-minimal OS template
```

There was a problem importing one of the Python modules required to run yum. The error leading to this problem was:

```
/usr/share/vzpkgtools/vzrpm43/lib/python2.3/site-packages/rpmmodule.so: cannot open shared object file: No such file or directory
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Please install a package which provides this module, or verify that the module is installed correctly.

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2.3.4 (#1, Mar 13 2006, 07:49:07)  
[GCC 3.4.4 20050721 (Red Hat 3.4.4-2)]

If you cannot solve this problem yourself, please send this message to <yum@lists.linux.duke.edu>.

ERROR: yum failed with 1 exit code

Then, it was to late and went to bed

This morning I read your message, and tried to comment the PYTHONPATH line (yesterday I have already installed vzpkg with --nodeps), but the cache generaion also fails (I don't know if it is because now I have 32 and 64 bit tools thow). I had to comment the three lines:

```
# PYTHONPATH=`get_rpm_pythonhome $TDIR`  
# export PYTHONPATH  
# log4 PYTHONPATH=$PYTHONPATH
```

and this was the result:

```
# vzpkgcache  
Creating cache for centos-4-i386-default OS template  
rpmdb: Program version 4.2 doesn't match environment version  
error: db4 error(22) from dbenv->open: Invalid argument  
error: cannot open Packages index using db3 - Invalid argument (22)  
error: cannot open Packages database in /vz/root/100001/var/lib/rpm  
Traceback (most recent call last):  
  File "/usr/share/vzyum/bin/yum", line 28, in ?  
    yummain.main(sys.argv[1:])  
  File "/usr/share/vzyum/yum-cli/yummain.py", line 75, in main  
    base.getOptionsConfig(args)  
  File "/usr/share/vzyum/yum-cli/cli.py", line 172, in getOptionsConfig  
    self.doConfigSetup(fn=opts.conf, root=root, vps=opts.vps)  
  File "/usr/share/vzyum/lib/yum/__init__.py", line 82, in doConfigSetup  
    self.conf = config.yumconf(configfile=fn, root=root, vps=vps)  
  File "/usr/share/vzyum/lib/yum/config.py", line 271, in __init__  
    self.yumvar['releasever'] = self._getsysver()  
  File "/usr/share/vzyum/lib/yum/config.py", line 384, in _getsysver
```

```
idx = ts.dbMatch('provides', self.getConfigOption('distroverpkg'))
TypeError: rpmdb open failed
ERROR: yum failed with 1 exit code
Creating cache for centos-4-i386-minimal OS template
rpmdb: Program version 4.2 doesn't match environment version
error: db4 error(22) from dbenv->open: Invalid argument
error: cannot open Packages index using db3 - Invalid argument (22)
error: cannot open Packages database in /vz/root/100001/var/lib/rpm
Traceback (most recent call last):
  File "/usr/share/vzyum/bin/yum", line 28, in ?
    yummain.main(sys.argv[1:])
  File "/usr/share/vzyum/yum-cli/yummain.py", line 75, in main
    base.getOptionsConfig(args)
  File "/usr/share/vzyum/yum-cli/cli.py", line 172, in getOptionsConfig
    self.doConfigSetup(fn=opts.confdir, root=root, vps=opts.vps)
  File "/usr/share/vzyum/lib/yum/__init__.py", line 82, in doConfigSetup
    self.conf = config.yumconf(configfile=fn, root=root, vps=vps)
  File "/usr/share/vzyum/lib/yum/config.py", line 271, in __init__
    self.yumvar['releasever'] = self._getsysver()
  File "/usr/share/vzyum/lib/yum/config.py", line 384, in _getsysver
    idx = ts.dbMatch('provides', self.getConfigOption('distroverpkg'))
TypeError: rpmdb open failed
ERROR: yum failed with 1 exit code
```

Any idea of what can I do about this?

Thanks!

Fernando

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Subject: Re: Install problems on dual opteron (64 bits), CentOS 4.4

Posted by [olivier](#) on Thu, 12 Oct 2006 09:47:08 GMT

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Hello,

I have exactly the same problem. Somebody could help us to find a solution.

Thank you in advance for your answer.

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Subject: Re: Install problems on dual opteron (64 bits), CentOS 4.4

Posted by [kir](#) on Fri, 13 Oct 2006 07:14:07 GMT

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Can you try to apply this patch and see if it helps?

<http://git.openvz.org/?p=vzpkg;a=commitdiff;h=d88c506cc0196146fb994ee56978e31137a7110e>

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Subject: Re: Install problems on dual opteron (64 bits), CentOS 4.4

Posted by [rudal](#) on Fri, 13 Oct 2006 09:05:07 GMT

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Hmm I tried patching the file one by one.

```
./vzyum 101 update
```

```
exec /usr/share/vzyum/bin/yum -c /vz/template/fedora-core/5/i386/config/yum.conf --installroot  
/home/vz/root/101 --vps=101 update
```

There was a problem importing one of the Python modules  
required to run yum. The error leading to this problem was:

```
/usr/share/vzpkgtools/vzrpm44/lib/python2.4/site-packages/rp m/_rpmmodule.so: wrong ELF  
class: ELFCLASS32
```

then tried using vzpkgcache to build centosos-4-i386:

```
[root@sparksvz vzpkg-2.7.0-18]# vzpkgcache centos-4-i386  
/usr/bin/vzpkgcache: line 79: /usr/share/vzpkg/cache-os: Permission denied  
[root@sparksvz vzpkg-2.7.0-18]#
```

Then tried +x on the cache-os:

```
[root@sparksvz ~]# vzpkgcache centos-4-i386  
/usr/share/vzpkg/cache-os: line 124: LD_LIBRARY_PATH: unbound variable  
[root@sparksvz ~]#
```

it seems that it tries to find \$TDIR which may not be exist?  
TDIR is looking for x86\_64?

```
[root@sparksvz 4]# pwd  
/vz/template/centos/4  
[root@sparksvz 4]# ls  
i386  
[root@sparksvz 4]#
```

So i dont know what else I can do...2AM pretty tired now haha will try again tomorrow if no  
updates.

THank you. Good night!

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Subject: Re: Install problems on dual opteron (64 bits), CentOS 4.4

Posted by [kir](#) on Fri, 13 Oct 2006 11:19:40 GMT

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Looks like this won't work on x86\_64. You have to stick to precreated templates, and use rpm/yum inside a VE to apply updates. Sorry.

We will eventually fix this, but don't hold your breath.

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Subject: Re: Install problems on dual opteron (64 bits), CentOS 4.4

Posted by [olivier](#) on Fri, 13 Oct 2006 11:30:00 GMT

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Thank you for everything

We are going to study a means to by-pass the problem.

Olivier

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Subject: Re: Install problems on dual opteron (64 bits), CentOS 4.4

Posted by [fgomes](#) on Fri, 13 Oct 2006 13:15:23 GMT

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I've somehow turned around this problem changing to the install methode described in the Quick install guide in the wiki, using yum, and then installed all the .rpm necessary to have yum in each VE (I built a new cache for CentOS minimal including yum, and then I'm using this cache to built every VE). It is working, but it is not a clean solution.

If you need any details about it, please ask me, I'll post here all that I can retrieve from my notes.

Fernando

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