
Subject: vzrpm43 and x86_64

Posted by [vz10b4](#) on Thu, 13 Apr 2006 20:06:18 GMT

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Hi folks,

Just want to share my work around to be able to use the openvz utilities in a x86_64 environemnt. I use RHEL4U3 installed to a server with a EM64T cpu.

First I needed to fix the vzrpm43 package and rest steps will do the trick:

1. Install the i386 version of python, in my case python-2.3.4-14.1.i386.rpm
2. Install the i386 version libxml2-python, in my case libxml2-python-2.6.16-6.i386.rpm
3. Even though I installed the i386 python the binaries in /usr/bin are still x86_64 (bug 72 in bugzilla). Extract the files in /usr/bin/ from the i386 python rpm to a temporary directory. Copy the extracted python binary from the temporary directory to /usr/bin/ with a new name, say python_32.
4. Replace the line #!/usr/bin/python with #!/usr/bin/python_32 in the file /usr/share/vzyum/bin/yum
5. Install the centos template vztempl-centos-4-2.0-2.i386.rpm. Well I tried to rename the i386 directory to x86_64 in the path to the template but then the function ost2full() in functions could no longer find the template.
6. Edit /vz/template/centos/4/i386/config/yum.conf so that it points to the x86_64 repositoret instead.
7. Remove the line MAKEDEV in /vz/template/centos/4/i386/config/minimal.list. vzyum went into a loop because it did not handle circular dependencies for the glibc.686 and glibc.x86_64. This is due to that MAKEDEV is a i386 package and in this case we should use the x86_64 package instead.
8. Create the cache: vzpkgcache centos-4-i386-minimal

I installed som x86_64 packages like slocate and mysql-server with vzyum and it went well. So far I have not used my own repository for my RHEL4U3 packages but I will soon. When done I can share my experience with that to.

This worked fine for me and hopefully someone else can do the same.

Kind Regards

/Fredrik

Subject: Re: vzrpm43 and x86_64

Posted by [laurent](#) on Mon, 08 May 2006 16:31:20 GMT

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interresting, thanks for your sharing

but how did you to install python-2.3.4-14.1.i386.rpm and libxml2-python-2.6.16-6.i386.rpm on a X86_64 bit system ?

when i tried to do that , the system ask me to install a lot of dependencies

```
rpm --test -ivh python-2.3.4-14.1.i386.rpm libxml2-python-2.6.16-6.i386.rpm
erreur: Dépendances requises:
  libbz2.so.1 est nécessaire pour python-2.3.4-14.1.i386
  libcrypto.so.4 est nécessaire pour python-2.3.4-14.1.i386
  libdb-4.2.so est nécessaire pour python-2.3.4-14.1.i386
  libgdbm.so.2 est nécessaire pour python-2.3.4-14.1.i386
  libgmp.so.3 est nécessaire pour python-2.3.4-14.1.i386
  libncurses.so.5 est nécessaire pour python-2.3.4-14.1.i386
  libpanel.so.5 est nécessaire pour python-2.3.4-14.1.i386
  libreadline.so.4 est nécessaire pour python-2.3.4-14.1.i386
  libssl.so.4 est nécessaire pour python-2.3.4-14.1.i386
  libtermcap.so.2 est nécessaire pour python-2.3.4-14.1.i386
  libz.so.1 est nécessaire pour python-2.3.4-14.1.i386
  libxml2.so.2 est nécessaire pour libxml2-python-2.6.16-6.i386
```

Subject: Re: vzrpm43 and x86_64
Posted by [vz10b4](#) on Wed, 10 May 2006 07:22:31 GMT
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Hi,

Actually I did not do any trick at all. Or maybe the trick is yum cause I installed python through yum. Yum takes care of the dependencies problem but I do not remember if I was forced to install some more packages.

I think you should ask this question on some python forum instead cause you will surely get better answers then mine:-)

/Fredrik

Subject: Re: vzrpm43 and x86_64
Posted by [gunbuster](#) on Sat, 20 May 2006 16:26:01 GMT
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What did you type in on the command line to install i386 version of python?

```
I've tried
# yum install python.i386
```

But that doesn't work. I've never really used yum much before. The last server I had running was on RH9 and I tended to install from source. Any tips would be appreciated!
