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 vztmpl-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 repositoriet 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!
