Subject: Installing OpenVZ on Debian?
Posted by Daniel15 on Fri, 11 Aug 2006 12:46:05 GMT
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Hi everyone,
 I'm trying to install OpenVZ on Debian, but I'm running into some problems.

Firstly, I tried the packages at 'debian.systs.org' but that didn't work. The kernel installed fine, but
when I tried to boot, it couldn't mount my root partition (I'm assuming this is because I'm using
LVM, which I don't think was compiled into that kernel).

Having failed that, I thought I should compile the kernel myself. I installed the
'kernel-patch-openvz' package, and followed all steps as shown on the Installation on Debian
page in the Wiki. However, once I got to the final step, it wouldn't compile. This is the output I got:

```
server1:/usr/src/linux-2.6.16# cp kernel-2.6.16-026test015-i686.config.ovz .config
server1:/usr/src/linux-2.6.16# make-kpkg --added_patches openvz
exec make -f /usr/share/kernel-package/ruleset/minimal.mk debian
KPKG_SELECTED_PATCHES="openvz"
====== making target minimal_debian [new prereqs: ]======
This is kernel package version .
test -d debian || mkdir debian
test ! -e stamp-building || rm -f stamp-building
test -f debian/control || sed        -e 's/=V/2.6.16/g'        \
        -e 's/=D/2.6.16-10.00.Custom/g'        -e 's/=A/i386/g' \
        -e 's/=SA//g'   -e 's/=L/ /g' \
        -e 's/=I//g'                            \
        -e 's/=CV/2.6/g'                \
        -e 's/=M/Unknown Kernel Package Maintainer
<unknown@unconfigured.in.etc.kernel-pkg.conf>/g'                    \
        -e 's/=ST/linux/g'      -e 's/=B/i386/g'   \
             /usr/share/kernel-package/Control > debian/control
test -f debian/changelog || sed -e 's/=V/2.6.16/g'             \
      -e 's/=D/2.6.16-10.00.Custom/g'        -e 's/=A/i386/g'        \
      -e 's/=ST/linux/g'      -e 's/=B/i386/g'         \
      -e 's/=M/Unknown Kernel Package Maintainer
<unknown@unconfigured.in.etc.kernel-pkg.conf>/g'                     \
         /usr/share/kernel-package/changelog > debian/changelog
install -p -m 755 /usr/share/kernel-package/rules debian/rules
for file in ChangeLog  Control  Control.bin86 config templates.in rules; do        \
        cp -f /usr/share/kernel-package/$file ./debian/;                \
     done
for dir  in Config docs examples ruleset scripts pkg po;  do                    \
        cp -af /usr/share/kernel-package/$dir ./debian/;                \
     done
test -d ./debian/stamps || mkdir debian/stamps
exec debian/rules  KPKG_SELECTED_PATCHES="openvz"
nothing to be done.
```

I followed all the steps as shown on the Wiki page (with the exception of getting the standard i686 config file, rather than the SMP one). What am I doing wrong?

Subject: Re: Installing OpenVZ on Debian?
Posted by Daniel15 on Fri, 11 Aug 2006 13:39:42 GMT
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Heh, I suppose it doesn't matter anymore. I reformatted, and this time, didn't bother using LVM (Just a normal partitioning scheme, with the root [/] partition on the first, 8 GB hard drive, and the /home and /var partitions on the second hard drive, a 10 GB drive. The reason I used LVM was to utilize both hard drive, but I like the way I'm doing it now, it's a lot simpler to manage)

Anyways, I'll try the precompiled package, and tell you how I go

EDIT: OK, that didn't work. I installed the package, but it didn't like my network card (a Realtek RTL8139-based card)

I tried compiling, with the same result... What should I do?

Subject: Re: Installing OpenVZ on Debian?
Posted by hvdkamer on Sun, 13 Aug 2006 12:57:48 GMT
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I think there is something missing in the Wiki. Probably the author had already done the export of the following parameter and has forgotten about is? This is how I did it (nowadays I add some extra things to the kernel package):

compile:/usr/src/kernel-source-2.6.8# cp -a ../configs/kernel-2.6.8-022stab077-i686.config.ovz .config
compile:/usr/src/kernel-source-2.6.8# export PATCH_THE_KERNEL=YES
compile:/usr/src/kernel-source-2.6.8# make-kpkg --added-patches openvz --append-to-version -openvz-k7 --revision HK.1 --config oldconfig --initrd kernel_image

I've multiple configs, but I think that the main reason is the export command. Without it, nothing is patched

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Subject: Re: Installing OpenVZ on Debian?
Posted by curx on Mon, 14 Aug 2006 01:42:45 GMT

Hi,

@Daniel15:

The kernel-images from debian.systs.org are using the kernel-configs from openvz.org.

The configs are stored in the kernel-source under ./configs
e.g. -smp ones

Which kind of network card do you use, the driver of 8139 is build as a kernel module.

CONFIG_8139CP=m
CONFIG_8139TOO=m
CONFIG_8139TOO_PIO=y
CONFIG_8139TOO_8129=y

So can you you explain, whats going wrong ?

Regards,
Thorsten
--
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