Subject: PAE Kernel Problem
Posted by Anonymous Coward on Sat, 04 Jul 2009 16:03:19 GMT
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Hi,

I'm trying to install Openvz with debian lenny on my old 32 Bit Machine.

I've made it like this:

Quote:
Quote:
apt-get install linux-image-openvz-686 vzctl vzquota

then

Quote:
ln -s /var/lib/vz /vz

then

Quote:
apt-get install cstream

then

Quote:
wget http://www.proxmox.com/cms_proxmox/cms/upload/vzdump/vzdump_ 1.1-1_all.deb

then

Quote:
dpkg -i vzdump_1.1-1_all.deb

And if I now try to start in the OpenVZ Kernel I've got this error:

Quote:
This kernel requires the following features not present on the CPU:
pae
Unable to boot - please use a kernel appropriate for your CPU

Now what shall I do?

Best regards, Aless
a

Subject: Re: PAE Kernel Problem
Posted by ltiefland on Sun, 05 Jul 2009 11:49:07 GMT
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Hi,

please look on the output of uname -a.

There you will find which kernel you need. If you have problems, please post the output here and we will try to help you. If there's no kernel for you CPU, then you have a big problem on your hands.

Subject: Re: PAE Kernel Problem
Posted by Anonymous Coward on Sun, 05 Jul 2009 12:55:22 GMT
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Hi,

The Output is:

Linux Aless-Server 2.6.26-2-686 #1 SMP Sun Jun 21 04:57:38 UTC 2009 i686 GNU/Linux

- Aless

Subject: Re: PAE Kernel Problem
Posted by ltiefland on Sun, 05 Jul 2009 19:17:31 GMT
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Aless wrote on Sun, 05 July 2009 14:55Hi,

The Output is:

Linux Aless-Server 2.6.26-2-686 #1 SMP Sun Jun 21 04:57:38 UTC 2009 i686 GNU/Linux

- Aless

Well,

that does not help a lot.

Please look at the output of
cat /proc/cpuinfo. The lines "model name", "cpu family", "model". "stepping" and "flags" are of interest.

I suppose you have a very old machine (Pentium or less).

Subject: Re: PAE Kernel Problem
Posted by Anonymous Coward on Sun, 05 Jul 2009 19:57:20 GMT
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Hi,

The Output is:

Quote:
Aless-Server:~# cat /proc/cpuinfo
processor : 0
vendor_id : GenuineIntel
cpu family : 6
model : 9
model name : Intel(R) Celeron(R) M processor 1500MHz
stepping : 5
cpu MHz : 1498.777
cache size : 512 KB
fdiv_bug : no
hlt_bug : no
f00f_bug : no
coma_bug : no
fpu : yes
fpu_exception : yes
cpuid level : 2
wp : yes
flags : fpu vme de pse tsc msr mce cx8 apic sep mtrr pge mca cmov pat clflush dts acpi mmx fxsr sse sse2 tm pbe up bts
bogomips : 2999.98
clflush size : 64
power management:

Aless-Server:~#

- Aless

Subject: Re: PAE Kernel Problem
Posted by khorenko on Wed, 08 Jul 2009 18:58:23 GMT
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Aless,

just try to use a kernel without PAE support.
i'm not sure i can point you to a Debian kernel compiled without PAE, but you can use latest stable kernel based on RHEL5 kernel:

http:// download.openvz.org/kernel/branches/rhel5-2.6.18/028stab062.3/ovzkernel-2.6.18-128.1.1.el5.028stab062.3.i686.rpm

Should work.
Alternatively you can try to rebuild the kernel without PAE:
http:// wiki.openvz.org/Compiling_the_OpenVZ_kernel_(the_Debian_way)

It's not difficult, you just need to disable CONFIG_PAE option in kernel config before the build.

Hope this helps.

--
Konstantin