
Subject: Kernel 2.6.32-5-openvz-amd64 & CPULIMIT
Posted by [jamesdean-dean-57](#) on Tue, 15 Feb 2011 16:23:35 GMT
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Hi,
I am using the new debian release (squeeze) and the kernel 2.6.32-5-openvz-amd64.

When i create a container, it is not possible to limit the number of cpu.

I use CPUS et CPULIMIT parameters and with HTOP command i can see all the cpu offered by the hardware.

Is there anybody who know if it is possible to limit this ressource ? And which kernel has to be used on Debian to limit it ?

thanks.
BERTRAND

Subject: Re: Kernel 2.6.32-5-openvz-amd64 & CPULIMIT
Posted by [dzimi](#) on Thu, 17 Feb 2011 09:39:09 GMT
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Try this one:

wiki.openvz.org/Download/kernel/rhel6/042test007.1

Recompile it. Should work with Debian 6.

It is still testing kernel. If you are going to use new RAM limits with physpages and swappages set - there is a bug: bugzilla.openvz.org/show_bug.cgi?id=1749 and server may stuck at cpu software lock.

Anyway - this kernel has a cpu limit future so you will be able to limit your cpu resources.

Subject: Re: Kernel 2.6.32-5-openvz-amd64 & CPULIMIT
Posted by [jamesdean-dean-57](#) on Tue, 29 Mar 2011 13:02:45 GMT
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Hi,

I try to compil it using this tutorial :
[wiki.openvz.org/Compiling_the_OpenVZ_kernel_\(the_Debian_way\)](http://wiki.openvz.org/Compiling_the_OpenVZ_kernel_(the_Debian_way))

Everything works fine, but i didn't patch the kernel.

I download the source from squeeze repositories (aptitude install kernel-package linux-source-2.6.32)

I use this config wiki.openvz.org/Download/kernel/rhel6/042test008.1
config-2.6.32-042test008.1.x86_64

I download this patch : patch-042test008.1-combined.gz on the same page

I extract and make ./patch-042test008.1-combined

And ...

```
--- linux-2.6.32/arch/alpha/include/asm/module.h 2009-12-03 04:51:21.000000000 +0100
+++ linux-2.6.32.ovz/arch/alpha/include/asm/module.h 1970-01-01 01:00:00.000000000 +0100
@@ -1,23 +0,0 @@
-#ifndef _ALPHA_MODULE_H
-#define _ALPHA_MODULE_H
-
-struct mod_arch_specific
-{
- unsigned int gotsecindex;
-};
-
-#define Elf_Sym Elf64_Sym
-#define Elf_Shdr Elf64_Shdr
-#define Elf_Ehdr Elf64_Ehdr
-#define Elf_Phdr Elf64_Phdr
-#define Elf_Dyn Elf64_Dyn
-#define Elf_Rel Elf64_Rel
-#define Elf_Rela Elf64_Rela
-
-#define ARCH_SHF_SMALL SHF_ALPHA_GPREL
-
-#ifdef MODULE
-asm(".section .got,\"aws\",@progbits; .align 3; .previous");
-#endif
-
-#endif /* _ALPHA_MODULE_H */
./patch-042test008.1-combined: line 2: ---: command not found
./patch-042test008.1-combined: line 3: +++: command not found
./patch-042test008.1-combined: line 4: @@: command not found
./patch-042test008.1-combined: line 5: unsigned: command not found
./patch-042test008.1-combined: line 6: syntax error near unexpected token `}'
./patch-042test008.1-combined: line 6: `};'
```

When i make config, i did not have a line with openvz. So i guess the kernel was not patching.

Could you explain how to compil, or give me some informations to fix this problem.
