
Subject: Re: howto compile kernel with some special features ?

Posted by [dvazart](#) on Thu, 03 Sep 2009 13:32:20 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi !

Ok, the kernel is working now !

But, it isn't an enterprise kernel so I'm limited to 50 containers.

Do you have an etrprise kernel for x64 in your debian repository ?

I'm also trying to compile my own kernel, following this tutorial: http://wiki.openvz.org/Kernel_build

this is what I'm doing:

```
cd /usr/src
```

```
wget http://www.kernel.org/pub/linux/kernel/v2.6/linux-2.6.18.tar.bz2
```

```
wget  
http://download.openvz.org/kernel/branches/rhel5-2.6.18/028stab064.4/patches/patch-128.2.1.el5.  
028stab064.4-combined.gz
```

```
tar vjxf linux-2.6.18.tar.bz2
```

```
cp patch-128.2.1.el5.028stab064.4-combined.gz linux-2.6.18
```

```
cd linux-2.6.18
```

```
gzip -dc patch-128.2.1.el5.028stab064.4-combined.gz | patch -p1
```

```
rm patch-128.2.1.el5.028stab064.4-combined.gz
```

```
wget  
http://download.openvz.org/kernel/branches/rhel5-2.6.18/028stab064.4/configs/kernel-2.6.18-i686  
-ent.config.ovz -O .config
```

```
make oldconfig
```

```
make
```

And I got this error :

```
LD  .tmp_vmlinux1
```

```
arch/x86_64/kernel/built-in.o: In function `alloc_iommu':  
pci-gart.c:(.text+0x111b4): undefined reference to `iommu_area_alloc'  
pci-gart.c:(.text+0x111ee): undefined reference to `iommu_area_alloc'  
arch/x86_64/kernel/built-in.o: In function `gart_unmap_single':  
.text+0x11627): undefined reference to `iommu_area_free'  
make: *** [.tmp_vmlinux1] Erreur 1
```

** Edit **

ok, I could pass the problem enabling all IOMMU options during make oldconfig, and now I got this other message:

```
Root device is (8, 2)  
Boot sector 512 bytes.  
Setup is 7233 bytes.  
System is 1762 kB  
Kernel: arch/x86_64/boot/bzImage is ready (#1)  
Building modules, stage 2.  
MODPOST  
WARNING: "arch_setup_additional_pages" [kernel/cpt/vzrst.ko] undefined!  
WARNING: "syscall32_page" [kernel/cpt/vzrst.ko] undefined!  
WARNING: "syscall32_page" [kernel/cpt/vzcpt.ko] undefined!  
make[1]: *** [__modpost] Erreur 1  
make: *** [modules] Erreur 2
```

May you help me with this please ?