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Subject: **\*SOLVED\*** CDWriter at a VPS?  
Posted by [slg2001](#) on Fri, 31 Mar 2006 09:16:00 GMT  
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Hallo,

is it possible to add a hardware-cd-writer to a VPS as an normal device /dev/hdX ?

Because i want to use this VPS in a DMZ as an cd-burn-server over LAN.

Thanks.  
slg2001

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Subject: Re: CDWriter at a VPS?  
Posted by [kir](#) on Fri, 31 Mar 2006 09:28:03 GMT  
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Sure, use smth like  
vzctl set VEID --devnodes hdX:rw --save

The needed device file will be created in VE, and access will be granted.

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Subject: Re: CDWriter at a VPS?  
Posted by [slg2001](#) on Fri, 31 Mar 2006 11:49:05 GMT  
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Hi kir,

thanks for your support, but it doesn't work! If i mount a cd at the vps, i get the following messages.

```
##### code #####  
[root@vps-burn ~]# mount /dev/hdh /media/cdrecorder  
mount: unknown filesystem type 'iso9660'  
[root@vps-burn ~]# mount /dev/hdh /media/cdrecorder -t iso9660  
mount: unknown filesystem type 'iso9660'  
[root@vps-burn ~]# ls -sla /dev/hd*  
0 brw-r----- 1 root root 34, 0 Mar 31 15:23 /dev/hdg  
0 brw-r----- 1 root root 34, 64 Mar 31 15:23 /dev/hdh  
[root@vps-burn ~]  
##### code #####
```

Some rpm package missing?

thanks

slg2001

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Subject: Re: CDWriter at a VPS?

Posted by [Vasily Tarasov](#) on Tue, 04 Apr 2006 11:08:55 GMT

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iso9660 filesystem isn't virtualized in openVZ...

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Subject: Re: CDWriter at a VPS?

Posted by [dev](#) on Tue, 04 Apr 2006 11:35:16 GMT

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Oh, sorry forgot, that isofs is not allowed in VSP by default.

Can you simply apply the following patch please?

```
--- ./fs/isofs/inode.c.isofs 2006-03-20 18:29:32.000000000 +0300
+++ ./fs/isofs/inode.c 2006-04-04 15:39:52.000000000 +0400
@@ -1459,7 +1459,7 @@ static struct file_system_type iso9660_f
 .name = "iso9660",
 .get_sb = isofs_get_sb,
 .kill_sb = kill_block_super,
- .fs_flags = FS_REQUIRES_DEV,
+ .fs_flags = FS_REQUIRES_DEV | FS_VIRTUALIZED,
};
```

```
static int __init init_iso9660_fs(void)
```

I think, we need to make this run-time configurable in future.

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Subject: Re: CDWriter at a VPS?

Posted by [slg2001](#) on Tue, 04 Apr 2006 20:03:49 GMT

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OK, thanks for the patch.

I have only one question!

How to add this patch?

slg2001

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Subject: Re: CDWriter at a VPS?

Posted by [dev](#) on Tue, 04 Apr 2006 20:14:04 GMT

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1. you need to install SRC RPM (<http://openvz.org/download/kernel/>)

2. somewhere in /usr/src (depending on host OS you use. e.g. redhat usually keeps them in /usr/src/redhat, SUSE in /usr/src/packages)

you will have directory SPECS and kernel-ovz.spec file in it.

3. in kernel-ovz.spec there is list of patches to apply.

For example, if you say the patch I proposed as /usr/src/.../SOURCES/isofs.patch, then in kernel-ovz.spec you need to add line (after the last 'PatchXXXX: ...' there):

```
Patch9999: isofs.patch
```

and line (right after the last '%patch ...':

```
%patch 9999 -p1
```

4. after that you simply need to build new RPMs with:

```
# rpmbuild -ba --target=i686 kernel-ovz.spec
```

5. build RPMs will be saved in /usr/src/.../RPMS/i686/

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Subject: Re: CDWriter at a VPS?

Posted by [dwebwarm](#) on Wed, 05 Apr 2006 12:48:27 GMT

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sorry for the offtopic, but what about configuration option, that sets the file systems that have to be virtualized in a VPS?

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Subject: Re: CDWriter at a VPS?

Posted by [dev](#) on Wed, 05 Apr 2006 12:55:47 GMT

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I want to make it runtime configurable. Do you mean this?

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Subject: Re: CDWriter at a VPS?

Posted by [dwebwarm](#) on Wed, 05 Apr 2006 13:13:43 GMT

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actually yes...

something like:

```
vzctl set VPSID --fstype +iso9660,+nfs,-xfs --save
```

where +/- enables/disables a feature for the VPS.

what do you think about this?

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Subject: Re: CDWriter at a VPS?

Posted by [slg2001](#) on Wed, 05 Apr 2006 13:31:06 GMT

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Hi,

i build the new kernel from last rpm-source-package.

```
/usr/src/redhat/BUILD/ovzkernel-2.6.16/linux-2.6.16/fs/isofs /inode.c
```

```
----- cut -----  
static struct file_system_type iso9660_fs_type = {  
    .owner      = THIS_MODULE,  
    .name       = "iso9660",  
    .get_sb     = isofs_get_sb,  
    .kill_sb    = kill_block_super,  
    .fs_flags   = FS_REQUIRES_DEV | FS_VIRTUALIZED,  
};
```

```
----- cut -----
```

installed kernel: 2.6.16-026test007.1.2006040502 #1 Wed Apr 5 13:27:32 CEST 2006 i686 i686  
i386 GNU/Linux

But i get the same errors!

```
----- cut -----  
[root@vps-burn ~]# mount /dev/hdg /media/cdrecorder  
mount: unknown filesystem type 'iso9660'  
[root@vps-burn ~]# mount /dev/hdh /media/cdrecorder  
mount: unknown filesystem type 'iso9660'  
----- cut -----
```

slg2001

### File Attachments

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1) [vps-config-file.txt](#), downloaded 420 times

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Subject: Re: CDWriter at a VPS?  
Posted by [Vasily Tarasov](#) on Wed, 05 Apr 2006 13:42:08 GMT  
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Please, can you post  
cat /proc/filesystems  
output from VE?

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Subject: Re: CDWriter at a VPS?  
Posted by [Vasily Tarasov](#) on Wed, 05 Apr 2006 14:09:41 GMT  
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Hmm... I've compiled kernel with this patch on my PC and  
was able to mount /dev/hdc from inside VE.

Can you provide, please, .config-file, that you've used compiling your kernel?

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Subject: Re: CDWriter at a VPS?  
Posted by [slg2001](#) on Wed, 05 Apr 2006 14:25:50 GMT  
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Hi,

here are the desired informations.

slg2001

#### File Attachments

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- 1) [vps-proc-filessystem.txt](#), downloaded 449 times
  - 2) [isofs.patch](#), downloaded 387 times
  - 3) [kernel-2.6.16-026test007-i686.config.ovz](#), downloaded 372 times
  - 4) [kernel-ovz\\_2.6.16-026test007.1.spec](#), downloaded 377 times
- 

Subject: Re: CDWriter at a VPS?  
Posted by [Vasily Tarasov](#) on Wed, 05 Apr 2006 14:34:36 GMT  
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I see, that you've compiled isofs as a module.

Please, load it before trying to use cd!  
You can check, if the module is loaded, using lsmod command.

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Subject: Re: CDWriter at a VPS?  
Posted by [slg2001](#) on Wed, 05 Apr 2006 14:45:24 GMT  
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Hi,

it works! The iso9660 module was not loaded!

Thank's all for your support!!!

slg2001

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