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Subject: UnionFS and OpenVZ

Posted by [wimalopaan](#) on Tue, 03 Jan 2006 21:15:43 GMT

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Hi,

I'm using UnionFS together with VServer for some time, and I want to use UnionFS also with OpenVZ. But, sadly, UnionFS supports only kernels  $\geq$  2.6.9.

Are there OpenVZ-Versions  $\geq$  2.6.9 to experiment with?

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Wilhelm

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Subject: Re: UnionFS and OpenVZ

Posted by [kir](#) on Sat, 07 Jan 2006 12:23:13 GMT

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It is not currently available, but in some time there will be OpenVZ based on more recent kernel (like, say, 2.6.14). I can not give you any estimations yet, it may be a month or a few months.

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Subject: Re: UnionFS and OpenVZ

Posted by [dev](#) on Mon, 09 Jan 2006 08:37:10 GMT

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to tell the truth, 2.6.9 and 2.6.8 are too much the same in VFS area, so I don't foresee any problems here. Try to compile unionfs.

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Subject: Re: UnionFS and OpenVZ

Posted by [Valmont](#) on Mon, 09 Jan 2006 10:05:46 GMT

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Hi!

Can you, please, describe future politic of new release openvz kernel?

Will you continue to update current 2.6.8 kernel, like you do it now?

I mean what about stability...

Thank you.

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Subject: Re: UnionFS and OpenVZ

Posted by [dev](#) on Mon, 09 Jan 2006 10:08:54 GMT

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sure, 2.6.8 kernel will be supported for at least 1-2 years.

at the same time more recent kernel will probably appear soon, but I would recommend to stick with 2.6.8 in production until we announce another stable kernel.

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Subject: Re: UnionFS and OpenVZ

Posted by [wimalopaan](#) on Mon, 09 Jan 2006 10:16:23 GMT

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seems not to be that simple:

```
gs unionfs-20060108-0200 # make
```

```
*****
```

If you have questions about or problems building Unionfs, please read INSTALL.

```
*****
```

```
make -C /lib/modules/2.6.8-022stab050-smp/build
```

```
SUBDIRS=/root/lmeier/Software/UnionFS/unionfs-20060108-0200
```

```
FISTDEVMK=/root/lmeier/Software/UnionFS/unionfs-20060108-0200/fistdev.mk modules
```

```
make[1]: Entering directory `/usr/src/linux-2.6.8-openvz-022.050'
```

```
CC [M] /root/lmeier/Software/UnionFS/unionfs-20060108-0200/subr.o
```

```
CC [M] /root/lmeier/Software/UnionFS/unionfs-20060108-0200/dentry.o
```

```
CC [M] /root/lmeier/Software/UnionFS/unionfs-20060108-0200/file.o
```

```
CC [M] /root/lmeier/Software/UnionFS/unionfs-20060108-0200/inode.o
```

```
/root/lmeier/Software/UnionFS/unionfs-20060108-0200/inode.c: In function `inode_permission':
```

```
/root/lmeier/Software/UnionFS/unionfs-20060108-0200/inode.c: 838: error: too few arguments to function
```

```
/root/lmeier/Software/UnionFS/unionfs-20060108-0200/inode.c: 852: error: too few arguments to function `vfs_permission'
```

```
/root/lmeier/Software/UnionFS/unionfs-20060108-0200/inode.c: At top level:
```

```
/root/lmeier/Software/UnionFS/unionfs-20060108-0200/inode.c: 984: warning: initialization from incompatible pointer type
```

```
/root/lmeier/Software/UnionFS/unionfs-20060108-0200/inode.c: 1000: warning: initialization from incompatible pointer type
```

```
/root/lmeier/Software/UnionFS/unionfs-20060108-0200/inode.c: 1009: warning: initialization from incompatible pointer type
```

```
make[2]: *** [/root/lmeier/Software/UnionFS/unionfs-20060108-0200/inode.o] Error 1
```

```
make[1]: *** [_module_/root/lmeier/Software/UnionFS/unionfs-20060108-0200] Error 2
```

```
make[1]: Leaving directory `/usr/src/linux-2.6.8-openvz-022.050'
```

make: \*\*\* [unionfs.ko] Error 2  
gs unionfs-20060108-0200 #

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Subject: Re: UnionFS and OpenVZ  
Posted by [dev](#) on Mon, 09 Jan 2006 10:24:53 GMT  
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it's easy. in OpenVZ kernel we added one more argument to `vfs_permission()`, but since no UnionFS were there it was not patched by us.  
Just add one more argument to `vfs_permission(... , NULL)`

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Subject: Re: UnionFS and OpenVZ  
Posted by [wimalopaan](#) on Mon, 09 Jan 2006 13:47:38 GMT  
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I made some modifications to unionfs to be compatible to kernel-2.6.8. First tests showed, that it is possible to use unionfs for unification of openvz-vps's now. I will do some more tests and then publish also the patches.

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Subject: Re: UnionFS and OpenVZ  
Posted by [dev](#) on Mon, 09 Jan 2006 14:16:37 GMT  
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thanks a lot!  
feel free to ask any questions/help!

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Subject: Re: UnionFS and OpenVZ  
Posted by [Griffon26](#) on Wed, 26 Apr 2006 20:34:39 GMT  
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Just in case anyone is still looking for a solution, I have attached a patch for unionfs snapshot 20060423-1600 and openvz 026.007.

I've not tested it yet, it just gets unionfs to compile.

#### File Attachments

1) [unionfs-20060423-1600-openvz.patch](#), downloaded 320 times

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Subject: Re: UnionFS and OpenVZ  
Posted by [dev](#) on Thu, 27 Apr 2006 07:08:48 GMT  
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your help is very much appreciated!  
can you post the results then/some HOWTO on this?

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