
Subject: UnionFS and OpenVZ

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

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

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?

--

Wilhelm

Subject: Re: UnionFS and OpenVZ

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

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

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.

Subject: Re: UnionFS and OpenVZ

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

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

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.

Subject: Re: UnionFS and OpenVZ

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

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

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.

Subject: Re: UnionFS and OpenVZ

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

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

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.

Subject: Re: UnionFS and OpenVZ

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

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

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-20060108-020 0/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 #

Subject: Re: UnionFS and OpenVZ
Posted by [dev](#) on Mon, 09 Jan 2006 10:24:53 GMT
[View Forum Message](#) <> [Reply to Message](#)

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)`

Subject: Re: UnionFS and OpenVZ
Posted by [wimalopaan](#) on Mon, 09 Jan 2006 13:47:38 GMT
[View Forum Message](#) <> [Reply to Message](#)

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.

Subject: Re: UnionFS and OpenVZ
Posted by [dev](#) on Mon, 09 Jan 2006 14:16:37 GMT
[View Forum Message](#) <> [Reply to Message](#)

thanks a lot!
feel free to ask any questions/help!

Subject: Re: UnionFS and OpenVZ
Posted by [Griffon26](#) on Wed, 26 Apr 2006 20:34:39 GMT
[View Forum Message](#) <> [Reply to Message](#)

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 356 times

Subject: Re: UnionFS and OpenVZ
Posted by [dev](#) on Thu, 27 Apr 2006 07:08:48 GMT
[View Forum Message](#) <> [Reply to Message](#)

your help is very much appreciated!
can you post the results then/some HOWTO on this?
