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 >= 2.6.9.

Are there OpenVZ-Versions >= 2.6.9 to experiment with?

--
Wilhelm

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.

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 forsee any problems here. Try to compile unionfs.

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 meen what about stability...

Thank you.

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.

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-20060108-020 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
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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)

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.

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!

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 948 times

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?