
Subject: Can't configure user_xattr option with bind mount into container

Posted by [nikichi](#) on Sun, 01 Feb 2009 01:54:33 GMT

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Hello,

Nice to be part of the community, I just joined.

I need to configure a user_xattr option on the filesystem of the container.

I have try to use bind mount with -o rw,user_xattr,acl into the container, but binded filesystem does not have "user_xattr,acl" option as /proc/mounts showed.

In HN, it was succeeded to configure as /etc/fstab showed, and working properly.

But, can't see in container node and not working as this option feature.

Is there any way to configure it into the container node or in the container node?

I don't care about bind mount way, if there are any better way.

-----information-----

[used bind command]

```
# mount --bind -o user_xattr,acl /vol/vps001 /vz/root/301/data
```

Here is the retrieved information of my system.

[[HN]]

OS: Fedora release 9 (Sulphur)

Kernel : ovzkernel 2.6.18-92.1.13.el5.028stab059.6 (should XATTR be configured)

filesystem : LVM

attr.i386	2.4.41-1.fc9	installed
libattr.i386	2.4.41-1.fc9	installed
lvm2.i386	2.02.33-11.fc9	installed
ovzkernel.i686	2.6.18-92.1.13.el5.028stab059.6	
vzctl.i386	3.0.23-1	installed
vzctl-lib.i386	3.0.23-1	installed
vzpkg.noarch	2.7.0-18	installed
vzquota.i386	3.0.12-1	installed
vzrpm43-python.i386	4.3.3-7_nonptl.6	installed
vzrpm44.i386	4.4.1-22.5	installed
vzrpm44-python.i386	4.4.1-22.5	installed
vzyum.noarch	2.4.0-11	installed

[[Container Node 301]]

OS template : fedora-9-x86.tar.gz (signature) downloaded from procreated site

attr.i386	2.4.41-1.fc9	installed
libattr.i386	2.4.41-1.fc9	installed

[[HN # mount]]

```
[root@fedorahost ~]# mount
/dev/mapper/VolGroup00-LogVol00 on / type ext3 (rw,user_xattr)
proc on /proc type proc (rw)
sysfs on /sys type sysfs (rw)
devpts on /dev/pts type devpts (rw,gid=5,mode=620)
/dev/sda1 on /boot type ext3 (rw)
tmpfs on /dev/shm type tmpfs (rw)
/dev/mapper/VolGroup00-vps001 on /vol/vps001 type ext3 (rw,user_xattr,acl)
/dev/mapper/VolGroup00-dcsvgol on /vol/dcsvgol type ext3 (rw,user_xattr,acl)
none on /proc/sys/fs/binfmt_misc type binfmt_misc (rw)
sunrpc on /var/lib/nfs/rpc_pipefs type rpc_pipefs (rw)
fusectl on /sys/fs/fuse/connections type fusectl (rw)
fuse on /root/.gvfs type fuse (rw,nosuid,nodev)
/vol/vps001 on /vz/root/301/data type none (rw,bind,user_xattr,acl)
```

[[HN # /proc/mounts]]

```
[root@fedorahost ~]# cat /proc/mounts
/dev/root / ext3 rw,data=ordered 0 0
/dev /dev tmpfs rw 0 0
/proc /proc proc rw 0 0
/sys /sys sysfs rw 0 0
/proc/bus/usb /proc/bus/usb usbfs rw 0 0
devpts /dev/pts devpts rw 0 0
/dev/sda1 /boot ext3 rw,data=ordered 0 0
tmpfs /dev/shm tmpfs rw 0 0
/dev/mapper/VolGroup00-vps001 /vol/vps001 ext3 rw,data=ordered 0 0
/dev/mapper/VolGroup00-dcsvgol /vol/dcsvgol ext3 rw,data=ordered 0 0
none /proc/sys/fs/binfmt_misc binfmt_misc rw 0 0
sunrpc /var/lib/nfs/rpc_pipefs rpc_pipefs rw 0 0
fusectl /sys/fs/fuse/connections fusectl rw 0 0
fuse /root/.gvfs fuse rw,nosuid,nodev,user_id=0,group_id=0 0 0
/vz/private/301 /vz/root/301 simfs rw 0 0
/proc /vz/root/301/proc proc rw 0 0
/sys /vz/root/301/sys sysfs rw 0 0
none /vz/root/301/dev tmpfs rw 0 0
none /vz/root/301/dev/pts devpts rw 0 0
none /vz/root/301/proc/sys/fs/binfmt_misc binfmt_misc rw 0 0
/dev/mapper/VolGroup00-vps001 /vz/root/301/data ext3 rw,data=ordered 0 0
```

[[HN # /etc/fstab]]

```
[root@fedorahost ~]# cat /etc/fstab
```

```

/dev/VolGroup00/LogVol00 /          ext3 defaults,user_xattr 1 1
UUID=925f232d-fdc5-4ddd-a5e6-32cf005aa174 /boot      ext3 defaults      1 2
tmpfs                    /dev/shm      tmpfs defaults      0 0
devpts                   /dev/pts      devpts gid=5,mode=620 0 0
sysfs                    /sys        sysfs defaults      0 0
proc                     /proc        proc  defaults      0 0
/dev/VolGroup00/LogVol01 swap          swap defaults      0 0
/dev/VolGroup00/vps001 /vol/vps001  ext3  rw,user_xattr,acl 0 0
/dev/VolGroup00/dcsvol /vol/dcsvol  ext3  rw,user_xattr,acl 0 0

```

[[CN 301 # /etc/mtab]]

```

[root@fedorahost ~]# vzctl exec 301 cat /etc/mtab
simfs / simfs rw 0 0
/proc /proc proc rw 0 0
/sys /sys sysfs rw 0 0
none /dev tmpfs rw 0 0
none /dev/pts devpts rw 0 0
none /proc/sys/fs/binfmt_misc binfmt_misc rw 0 0
/dev/mapper/VolGroup00-vps001 /data ext3 rw,data=ordered 0 0

```

[[CN 301 # mount]]

```

[root@fedorahost ~]# vzctl exec 301 mount
simfs on / type simfs (rw)
/proc on /proc type proc (rw)
/sys on /sys type sysfs (rw)
none on /dev type tmpfs (rw)
none on /dev/pts type devpts (rw)
none on /proc/sys/fs/binfmt_misc type binfmt_misc (rw)
/dev/mapper/VolGroup00-vps001 on /data type ext3 (rw,data=ordered)

```

Thanks for help

Regards,
Nikichi

Subject: Re: Can't configure user_xattr option with bind mount into container
 Posted by [maratrus](#) on Mon, 02 Feb 2009 11:42:25 GMT
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Hello,

Quote:
 [root@fedorahost ~]# cat /proc/mounts

...

```
/dev/mapper/VolGroup00-vps001 /vol/vps001 ext3 rw,data=ordered 0 0
/dev/mapper/VolGroup00-vps001 /vz/root/301/data ext3 rw,data=ordered 0 0
```

Both of that records don't have user_xattr and acl options set. They might to be default options (tune2fs -l DEVICE | grep "Default mount options").

If this functionality works on the HN try to use it inside VE.

Subject: Re: Can't configure user_xattr option with bind mount into container
Posted by [nikichi](#) on Tue, 03 Feb 2009 08:01:43 GMT

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The tune2fs hint fixed this problem...

I have checked the filesystem with your suggestion.

Quote:

```
[root@fedorahost ~]# tune2fs -l /dev/mapper/VolGroup00-vps001 | grep "Default mount options"
Default mount options:  (none)
```

As you supposed the default mount options are : none.

I set these options on mount device via tune2fs as DEFAULT option at HN.

Quote:

```
[root@fedorahost ~]# tune2fs -o user_xattr,acl /dev/mapper/VolGroup00-vps001
tune2fs 1.41.3 (12-Oct-2008)
[root@fedorahost ~]# tune2fs -l /dev/mapper/VolGroup00-vps001 | grep "Default mount options"
Default mount options:  user_xattr acl
```

And test it at inside VE. It's working !!

Thank you very much.
