
Subject: Directories read-only in one VPS, read-write in another?

Posted by [Griffon26](#) on Mon, 08 May 2006 17:01:48 GMT

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I'm looking for a way to have a certain directory read-only in one VPS and read-write in another.

So far I have thought of four solutions, but none of them are really appealing:

- 1) Put each directory for which I want to do this on a separate partition and then give different VPS's different permissions on these devices using `vzctl set --devices`.
- 2) Use unionfs to provide a read-only instance of each directory to certain VPS's and a read-write instance to others.
I'm not sure how well this will work, because this is what unionfs' INSTALL file says:

* Unionfs does not provide cache coherency. What this means to you is that if you directly modify the lower-level branches, then Unionfs will get confused. You can tell Unionfs to throw out its cache and recreate all of its objects (lazily), by running "uniondbg -g UNION".
- 3) Export the directories to localhost and mount them read-only.
This can be done with SMB, NFS, ...
- 4) Adapt Herbert Poetzel's bind mount extensions to apply to the openvz kernel that I'm using. Currently the latest version of the BME are for kernel 2.6.11-rc4, so they require some work.

Can anyone think of another way?

I'm inclined to go with 4 or with 3 if 4 turns out to be a lot of trouble.

Subject: Re: Directories read-only in one VPS, read-write in another?

Posted by [Griffon26](#) on Mon, 08 May 2006 22:17:32 GMT

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Ok, I've modified the bind mount extensions patch.
But right now I don't have time to test it anymore, so if anyone wants to try it out in the mean time... be my guest. =)

The first file is a version that should apply to 2.6.16.9,
the second one that should apply to openvz-026.009.

If this breaks your system, deletes your invaluable collection
of photographs or kills your pet, I'm not responsible

File Attachments

- 1) [patch-2.6.16.9-bme0.06.diff](#), downloaded 238 times
 - 2) [patch-2.6.16-openvz-026.009-bme0.06.diff](#), downloaded 260 times
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Subject: Re: Directories read-only in one VPS, read-write in another?

Posted by [dev](#) on Tue, 09 May 2006 15:09:03 GMT

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- 1. this is not what you want.
- 2. it should work for you. the message tells, that you should not change files from host system. that's it.
- 3. it can be quite slow.
- 4. BME should work fine with OpenVZ and from my POV this is the easiest way to go.

Thanks for doing this and will be happy to know your further results!
