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 Poetzl'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 423 times
2) patch-2.6.16-openvz-026.009-bme0.06.diff, downloaded 463 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!
