
Subject: share tmpfs volume between VEs
Posted by [consultorpc](#) on Thu, 27 May 2010 21:53:51 GMT
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Hi, is it possible in openvz to share a tmpfs volume created on host between VEs ? TIA.

Subject: Re: share tmpfs volume between VEs
Posted by [maratrus](#) on Fri, 28 May 2010 12:40:50 GMT
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You can use bind mounts i.e.

```
# mount --bind PATH_TO_DIRECTORY_ON_THE_HN /vz/root/$VEID/PATH_INSIDE_VE
```

Subject: Re: share tmpfs volume between VEs
Posted by [consultorpc](#) on Fri, 28 May 2010 21:35:15 GMT
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I did that but it doesn't work at all, although it seems to be well mounted if I write on that dir inside the VE it can't be read on HN. If I umount it then the file is there, so in reality the VE was writing to harddisk, not to tmpfs.

Did you try this ?

Subject: Re: share tmpfs volume between VEs
Posted by [maratrus](#) on Sat, 29 May 2010 07:06:58 GMT
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Hi,

could you provide all steps that were done
(from mounting tmpfs on the HN) so that it
is possible to reproduce your problem?

Subject: Re: share tmpfs volume between VEs
Posted by [consultorpc](#) on Mon, 31 May 2010 17:03:10 GMT
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I'm running these commands on HN:

```
mount -t tmpfs -o nodev,noexec,nosuid -osize=1024M tmpfs /test/  
mount --bind /test/ /var/lib/vz/private/100/test/
```

Then, if i access VE and create a file at /test/, i won't be able to see it on HN.

Example:

```
# vzctl enter 100  
entered into CT 100  
[root@mta /]# cd /test/  
[root@mta test]# touch test  
[root@mta test]# ls -lh  
total 0  
-rw-r--r-- 1 root root 0 May 31 19:00 test  
[root@mta test]# exit  
logout
```

```
[root@vz test]# cd /test/  
[root@vz test]# ls -lh  
total 0
```

Subject: Re: share tmpfs volume between VEs
Posted by [maratrus](#) on Wed, 02 Jun 2010 13:14:06 GMT
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Dear Consultorpc,

please feel a difference between the command I have suggested you issuing and the command you have issued.
I suggested you that you should do bind mount to /vz/root directory not /vz/private!

Subject: Re: share tmpfs volume between VEs
Posted by [consultorpc](#) on Thu, 03 Jun 2010 18:42:50 GMT
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Sorry, I posted private but our first tests were done using root. We do use it only for test purposes, but the same result.

Subject: Re: share tmpfs volume between VEs
Posted by [consultorpc](#) on Tue, 08 Jun 2010 19:08:05 GMT

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Anyone has success with this ?

Subject: Re: share tmpfs volume between VEs

Posted by [situationalawareness](#) on Tue, 08 Jun 2010 22:42:08 GMT

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I figure since I read this I'd say simply that it works.

A simple tmpfs creation of /test and a bind mounting to the vz/root/VEID/test (made by hand before) will do it.
