
Subject: Is NFS virtualized fully?
Posted by [Groening](#) on Fri, 31 Mar 2006 02:57:48 GMT
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What parts of NFS are not virtualized for today?

Subject: Re: Is NFS virtualized fully?
Posted by [dev](#) on Fri, 31 Mar 2006 09:52:57 GMT
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There are 2 possible ways of using NFS within VPS:

1. mount in host and bindmount to VPS
 2. it is possible to be able to mount NFS from within VPS, but this requires 2-3 small patches. I had them somewhere for 2.6.8. They enable kernel_threads in VPS and do such similar things.
-

Subject: Re: Is NFS virtualized fully?
Posted by [dowdle](#) on Wed, 12 Apr 2006 22:23:30 GMT
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Ok, I have the desired NFS mounts mounted on the physical host and I want to "bind mount" them inside of a VPS.

Er... how do I go about doing this?

I read the OpenVZ User's Guide and I saw bind mount mentioned a few times but it wasn't really clear.

HELP!

Subject: Re: Is NFS virtualized fully?
Posted by [dev](#) on Thu, 13 Apr 2006 06:15:57 GMT
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Suggested by Babyface on IRC:

```
<Babyface> mount --bind /path /to/path
<Babyface> for example
<dowdle> That command is within the VPS?
<Babyface> mount --bind /nfsroot /vz/root/<vpsid>/mnt
<Babyface> no on hostnode
<dowdle> Ok, cool. Thanks I'll try that now.
<Babyface> and vps must be started before
<Babyface> or mounted
```

<Babyface> so better to create some kind of /etc/sysconfig/vz-scripts/<vpsid>.mount and .umount files
<Babyface> then on vps startup it is automatically mounted
<dowdle> Wow... that worked like instantly! Thanks very much.
<dowdle> Ok, sure... about the mount and unmount scripts... as I want that to be automatic. So, if I create scripts with those names, they will be automatically parsed upon VPS startup?
<Babyface> yes
<dowdle> Right on.
<dowdle> Thanks Babyface!
<-- ckoehn has quit ("7:42pm| (@DenisGe) ich schneid nie wieder samstags nachts 2 uhr haare alleine")
<Babyface> mount file should look like
<Babyface> #!/bin/bash
<Babyface> # if one of these files does not exist then something is really broken
<Babyface> [-f "\${VE_CONFFILE}"] || exit 1
<Babyface> # mount nfsroot.
<Babyface> mount --bind /nfsroot /vz/root/<vpsid>/mnt
<Babyface> exit \${?}
<Babyface> and must be executable
<Babyface> umount like
<Babyface> #!/bin/bash
<Babyface> # if one of these files does not exist then something is really broken
<Babyface> [-f "\${VE_CONFFILE}"] || exit 1
<Babyface> # umount nfsroot.
<Babyface> umount /vz/root/<vpsid>/mnt
<Babyface> exit \${?}
<Babyface> also executable

Subject: Re: Is NFS virtualized fully?

Posted by [jonsmirl](#) on Fri, 14 Apr 2006 17:22:43 GMT

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What about NFS servers? My application needs to simulate a cluster of NFSv4 servers for testing purposes. The kernel has support for NFSv4 servers but you need to turn on experimental drivers to see it.
