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Subject: Re: NFS problems

Posted by [Vasily Tarasov](#) on Wed, 23 Aug 2006 13:15:19 GMT

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Hello, Commy,

I've done some experiments with user-space nfsd.

Quote:The first problem is, that I obviously can not export directories within the VE. I use the nfs-user-server (as the kernel-server seems not to work in a VE) and when I am exporting a directory based within the VE, I always get a "permission denied" error, when trying to mount that directory from a client.

The problem is that rpc.mountd, rpc.nfsd check for mounted nfs partition on server using major number of device. For simfs major also (like nfs) equals zero - so while checking this they think that nfs is mounted already and don't grant access.

The workaround here is to run rpc.mountd and rpc.nfsd with -r option:

```
# rpc.mountd -r
```

```
# rpc.nfsd -r
```

Quote:... but Backup fails at 2 GB ...

user-nfsd implements NFSv2 and this standart version limits size of files to 2 GB! =)

So just use unfs3 (<http://unfs3.sourceforge.net/>) user-space server, that implements NFSv3.

Good luck! =)

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