
Subject: NFS inside VE

Posted by [Alex Prinsier](#) on Sat, 06 Jan 2007 10:55:21 GMT

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I'm having trouble getting nfs to work inside a VE.

I think I've set it up correctly... Does anyone see a big mistake in my configuration here?

```
# cat /etc/exports
```

```
/data 10.1.1.0/24(rw,no_root_squash)
```

```
# ps aux (only copied the relevant daemons)
```

```
USER    PID %CPU %MEM  VSZ  RSS TTY    STAT START  TIME COMMAND
daemon 24471 0.0 0.0 3040 452 ?      Ss   Jan05 0:00 /sbin/portmap
root    7673 0.0 0.0 3640 544 ?      Ss   Jan05 0:00 /usr/sbin/rpc.nfsd -r
root    7675 0.0 0.0 3096 680 ?      S    Jan05 0:00 /usr/sbin/rpc.mountd -r
```

The ip of that machine is 10.1.1.2 (and I'm executing the mount on the same machine).

```
# mount 10.1.1.2:/data /mnt
```

```
mount: 10.1.1.2:/data failed, reason given by server: Permission denied
```

I get these lines in syslog:

```
Jan 6 10:49:03 fs mountd[7675]: NFS mount of /data attempted from 10.1.1.2
```

```
Jan 6 10:49:03 fs mountd[7675]: Unauthorized access by NFS client
10.1.1.2.
```

```
Jan 6 10:49:03 fs mountd[7675]: Blocked attempt of 10.1.1.2 to mount /data
```

```
# rpcinfo -p 10.1.1.2
```

```
program vers proto  port
100000  2  tcp  111  portmapper
100000  2  udp  111  portmapper
100003  2  udp  2049  nfs
100003  2  tcp  2049  nfs
100005  1  udp  644  mountd
100005  2  udp  644  mountd
100005  1  tcp  647  mountd
100005  2  tcp  647  mountd
```

Here is an strace of the mount:

```
# strace mount 10.1.1.2:/data /mnt
```

```
execve("/bin/mount", ["mount", "10.1.1.2:/data", "/mnt"], [/* 11 vars
*/]) = 0
```

```
uname({sys="Linux", node="fs.internal.ejibe.net", ...}) = 0
```

```
brk(0) = 0x856d000
```

```

old_mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS,
-1, 0) = 0xb7fed000
access("/etc/ld.so.nohwcap", F_OK) = -1 ENOENT (No such file or
directory)
open("/etc/ld.so.preload", O_RDONLY) = -1 ENOENT (No such file or
directory)
open("/etc/ld.so.cache", O_RDONLY) = 3
fstat64(3, {st_mode=S_IFREG|0644, st_size=7889, ...}) = 0
old_mmap(NULL, 7889, PROT_READ, MAP_PRIVATE, 3, 0) = 0xb7feb000
close(3) = 0
access("/etc/ld.so.nohwcap", F_OK) = -1 ENOENT (No such file or
directory)
open("/lib/libblkid.so.1", O_RDONLY) = 3
read(3, "\177ELF\1\1\1\0\0\0\0\0\0\0\0\3\0\3\0\1\0\0\0P\35\0\000"...,
512) = 512
fstat64(3, {st_mode=S_IFREG|0644, st_size=27548, ...}) = 0
old_mmap(NULL, 26520, PROT_READ|PROT_EXEC, MAP_PRIVATE, 3, 0) = 0xcef000
old_mmap(0xcf5000, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED, 3,
0x6000) = 0xcf5000
close(3) = 0
access("/etc/ld.so.nohwcap", F_OK) = -1 ENOENT (No such file or
directory)
open("/lib/libuuid.so.1", O_RDONLY) = 3
read(3, "\177ELF\1\1\1\0\0\0\0\0\0\0\0\3\0\3\0\1\0\0\0\240\1\0"...,
512) = 512
fstat64(3, {st_mode=S_IFREG|0644, st_size=9232, ...}) = 0
old_mmap(NULL, 12260, PROT_READ|PROT_EXEC, MAP_PRIVATE, 3, 0) = 0x217000
old_mmap(0x219000, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED, 3,
0x1000) = 0x219000
close(3) = 0
access("/etc/ld.so.nohwcap", F_OK) = -1 ENOENT (No such file or
directory)
open("/lib/tls/libc.so.6", O_RDONLY) = 3
read(3, "\177ELF\1\1\1\0\0\0\0\0\0\0\0\3\0\3\0\1\0\0\0`Z\1\000"...,
512) = 512
fstat64(3, {st_mode=S_IFREG|0755, st_size=1254660, ...}) = 0
old_mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS,
-1, 0) = 0xb7fea000
old_mmap(NULL, 1264972, PROT_READ|PROT_EXEC, MAP_PRIVATE, 3, 0) = 0x21a000
old_mmap(0x344000, 36864, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED,
3, 0x129000) = 0x344000
old_mmap(0x34d000, 7500, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0x34d000
close(3) = 0
set_thread_area({entry_number:-1 -> 6, base_addr:0xb7fea860,
limit:1048575, seg_32bit:1, contents:0, read_exec_only:0,
limit_in_pages:1, seg_not_present:0, useable:1}) = 0
munmap(0xb7feb000, 7889) = 0

```

```

brk(0) = 0x856d000
brk(0x858e000) = 0x858e000
brk(0) = 0x858e000
umask(022) = 022
open("/dev/null", O_RDWR|O_LARGEFILE) = 3
close(3) = 0
getuid32() = 0
geteuid32() = 0
getgid32() = 0
getgid32() = 0
prctl(0x3, 0x20, 0x856d030, 0xcf5658, 0xcf5658) = 1
open("/etc/blkid.tab", O_RDONLY) = -1 ENOENT (No such file or
directory)
getuid32() = 0
geteuid32() = 0
lstat64("/etc/mtab", {st_mode=S_IFLNK|0777, st_size=12, ...}) = 0
stat64("10.1.1.2:/data", 0xbffa0df0) = -1 ENOENT (No such file or
directory)
stat64("/sbin/mount.nfs", 0xbffa0c60) = -1 ENOENT (No such file or
directory)
uname({sys="Linux", node="fs.internal.ejibe.net", ...}) = 0
time(NULL) = 1168080828
socket(PF_INET, SOCK_STREAM, IPPROTO_TCP) = 3
getpid() = 14303
bind(3, {sa_family=AF_INET, sin_port=htons(911),
sin_addr=inet_addr("0.0.0.0")}, 16) = 0
connect(3, {sa_family=AF_INET, sin_port=htons(111),
sin_addr=inet_addr("10.1.1.2")}, 16) = 0
gettimeofday({1168080828, 691188}, NULL) = 0
write(3, "\200\0\0\0236\212\302\0\0\0\0\0\0\0\0\2\0\1\206\240\0\0"...,
44) = 44
poll([{fd=3, events=POLLIN, revents=POLLIN}], 1, 60000) = 1
read(3, "\200\0\0\0274\0236\212\302\0\0\0\1\0\0\0\0\0\0\0\0\0\0"...,
500) = 192
close(3) = 0
socket(PF_INET, SOCK_DGRAM, IPPROTO_UDP) = 3
bind(3, {sa_family=AF_INET, sin_port=htons(912),
sin_addr=inet_addr("0.0.0.0")}, 16) = 0
ioctl(3, FIONBIO, [1]) = 0
setsockopt(3, SOL_IP, IP_RECVERR, [1], 4) = 0
uname({sys="Linux", node="fs.internal.ejibe.net", ...}) = 0
geteuid32() = 0
getegid32() = 0
getgroups32(32, [0]) = 1
gettimeofday({1168080828, 693409}, NULL) = 0
sendto(3, "\1\202\312\204\0\0\0\0\0\0\0\0\2\0\1\206\245\0\0\0\2\0\0\0"...,
100, 0, {sa_family=AF_INET, sin_port=htons(644),
sin_addr=inet_addr("10.1.1.2")}, 16) = 100

```

```
poll([fd=3, events=POLLIN, revents=POLLIN], 1, 3000) = 1
recvfrom(3,
"1\202\312\204\0\0\1\0\0\0\0\0\0\0\0\0\0\0\0...", 8800, 0,
{sa_family=AF_INET, sin_port=htons(644),
sin_addr=inet_addr("10.1.1.2")}, [16]) = 28
write(2, "mount: 10.1.1.2:/data failed, re"... , 72mount: 10.1.1.2:/data
failed, reason given by server: Permission denied
) = 72
close(3)                  = 0
close(3)                  = -1 EBADF (Bad file descriptor)
exit_group(32)            = ?
```

Subject: Re: NFS inside VE
Posted by [efball](#) on Tue, 09 Jan 2007 23:22:03 GMT
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I'm having NFS problems also. I'm trying to import, not export.
I don't need NFS exports.

portmap starts OK, but netfs does not:

```
# /etc/init.d/netfs start
Mounting other filesystems: mount: none already mounted or /dev/pts busy
mount: according to mtab, devpts is already mounted on /dev/pts
                           [FAILED]
```

Do NFS mounts work?
I have not touched the /etc/fstab file:

```
# cat /etc/fstab
none /dev/pts devpts rw 0 0
```

Alex: Are you running nfslock?

On Sat, Jan 06, 2007 at 11:55:21AM +0100, Alex Prinsier wrote:
> I'm having trouble getting nfs to work inside a VE.
>
> I think I've set it up correctly... Does anyone see a big mistake in my
> configuration here?
>
> # cat /etc/exports
> /data 10.1.1.0/24(rw,no_root_squash)
>

```
> # ps aux (only copied the relevant daemons)
> USER      PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
> daemon  24471  0.0  0.0  3040  452 ?        Ss   Jan05   0:00 /sbin/portmap
> root    7673  0.0  0.0  3640  544 ?        Ss   Jan05   0:00
> /usr/sbin/rpc.nfsd -r
> root    7675  0.0  0.0  3096  680 ?        S    Jan05   0:00
> /usr/sbin/rpc.mountd -r
>
> The ip of that machine is 10.1.1.2 (and I'm executing the mount on the
> same machine).
> # mount 10.1.1.2:/data /mnt
> mount: 10.1.1.2:/data failed, reason given by server: Permission denied
>
> I get these lines in syslog:
> Jan  6 10:49:03 fs mountd[7675]: NFS mount of /data attempted from 10.1.1.2
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> Jan  6 10:49:03 fs mountd[7675]: Blocked attempt of 10.1.1.2 to mount /data
>
> # rpcinfo -p 10.1.1.2
>  program vers proto  port
> 100000  2  tcp   111  portmapper
> 100000  2  udp   111  portmapper
> 100003  2  udp   2049 nfs
> 100003  2  tcp   2049 nfs
> 100005  1  udp    644 mountd
> 100005  2  udp    644 mountd
> 100005  1  tcp    647 mountd
> 100005  2  tcp    647 mountd
```

--

E Frank Ball

efball@efball.com

Subject: Re: NFS inside VE

Posted by [Alex Prinsier](#) on Tue, 09 Jan 2007 23:27:49 GMT

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No i wasn't running any locking daemon, simply because the user space nfs server doesn't support it.

Actually my issue has been resolved, the wiki sais that I need kernel 028test006 or higher (and I have a somewhat older kernel).

I suggest you try what the wiki says: <http://wiki.openvz.org/NFS>

Alex

E Frank Ball wrote:

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> I don't need NFS exports.
>
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> # /etc/init.d/netfs start
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> mount: according to mtab, devpts is already mounted on /dev/pts
> [FAILED]

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>
>
> -----

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> > daemon 24471 0.0 0.0 3040 452 ? Ss Jan05 0:00 /sbin/portmap
> > root 7673 0.0 0.0 3640 544 ? Ss Jan05 0:00
> > /usr/sbin/rpc.nfsd -r
> > root 7675 0.0 0.0 3096 680 ? S Jan05 0:00
> > /usr/sbin/rpc.mountd -r

> > The ip of that machine is 10.1.1.2 (and I'm executing the mount on the
> > same machine).

> > # mount 10.1.1.2:/data /mnt
> > mount: 10.1.1.2:/data failed, reason given by server: Permission denied

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```
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> > 10.1.1.2.
> > Jan 6 10:49:03 fs mountd[7675]: Blocked attempt of 10.1.1.2 to mount /data
> >
> > # rpcinfo -p 10.1.1.2
> >  program vers proto  port
> > 100000  2  tcp   111  portmapper
> > 100000  2  udp   111  portmapper
> > 100003  2  udp   2049 nfs
> > 100003  2  tcp   2049 nfs
> > 100005  1  udp   644  mountd
> > 100005  2  udp   644  mountd
> > 100005  1  tcp   647  mountd
> > 100005  2  tcp   647  mountd
>
```
