

2.6.x NFS and NFSD

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2003-07/3071.html>

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To: linux-kernel@vger.kernel.org

Anyone had any luck with either of these?

2.6.x as a server:

I'm using `nfs-kernel-server v1.0.5-1` (debian).

Config Ops:

```
CONFIG_NFSD=m
```

```
CONFIG_NFSD_V3=y
```

```
# CONFIG_NFSD_V4 is not set
```

```
CONFIG_NFSD_TCP=y
```

```
CONFIG_LOCKD=m
```

```
CONFIG_LOCKD_V4=y << I didn't configure this, where'd it come from?
```

```
CONFIG_EXPORTFS=m
```

```
CONFIG_SUNRPC=m
```

This is in `/etc/exports`:

```
/ vegeta(rw,no_root_squash,async,nohide)
```

on the machine `vegeta`, I mount this machine (`kingkai:/mnt`), `cd` to `/mnt`, do `ls`, and `ls` hangs. client uses kernel 2.4.20 with NFSv3 enabled and it was mounted v3.

2.6.x as a client:

If the server is using 2.4.x with the kernel `nfs` server, all's fine except for `nohide`. I have a 2.4.21 alpha machine exporting `/` and `/raid-0` with the `nohide` option. If I mount it to `/mnt` and `cd /mnt/raid-0` there's nothing there. On 2.4.20 client this works. (NFSv3 here)

If the server is using the userspace `nfs` server (I don't like exporting all those mount points with `nohide` and this works for me on most machines that I access occasionally. I assume userspace is NFSv2. 2.2beta47-12) Kernel 2.6.x will simply say the `nfs` server is not responding if I do an `ls`. If I copy a file (not using tab completion), it seems to work.

client options:

```
CONFIG_NFS_FS=m
```

```
CONFIG_NFS_V3=y
```

```
# CONFIG_NFS_V4 is not set
```

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Now on a positive note, my hp scanjet 5370c works with 2.6.0-test2 great where as 2.4 it doesn't. the NFS is holding me back.

P.S.

Vegeta: kernel 2.4.20, userspace nfs, inspiron 8100 1ghz pIII 256mb ram
NIC: intel 10/100

Kingkai: Kernel 2.6.0-test1, kernel nfs, home build 700mhz pIII 256mb ram
NIC: 3com 3cr990srv 10/100 MainBoard: MSI MS-6163 v2

Alpha: Kernel 2.4.21, kernel nfs, AlphaServer 1000A 4/266 160mb ram
NIC: Dec Tulip 10/100

All machines use ext3 as the local filesystem.

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Lab tests show that use of micro\$oft causes cancer in lab animals

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