Subject: mount: unknown filesystem type 'nfs' (2.6.24 git)
Posted by John Kelly on Fri, 01 Feb 2008 05:09:40 GMT
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NFS client in HN fails with the error:

mount: unknown filesystem type 'nfs'

It works fine with a vanilla 2.6.24 kernel, but 2.6.24-openvz built from git pulled today, fails.

I built both kernels from a custom config, selecting NFSv3 only. The vanilla config and the openvz config are the same, except for the extra options needed for openvz.

Is it a bug?

Subject: Re: mount: unknown filesystem type 'nfs' (2.6.24 git)
Posted by lystor on Fri, 01 Feb 2008 08:50:38 GMT
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Please show results:
lsmod | grep nfs
modprobe -v nfs
lsmod | grep nfs
tail -n 10 /var/log/messages
grep nfs /proc/filesystems

Subject: Re: mount: unknown filesystem type 'nfs' (2.6.24 git)
Posted by John Kelly on Fri, 01 Feb 2008 13:58:37 GMT
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2.6.24 works:
Script started on Fri 01 Feb 2008 08:43:27 AM EST

```
debian:~/temp# lsmod | grep nfs
nfs                106540  1
lockd               53608  2 nfs
sunrpc             144604  8 nfs,lockd

debian:~/temp# modprobe -v nfs

debian:~/temp# lsmod | grep nfs
nfs                106540  1
lockd               53608  2 nfs
```

```
sunrpc             144604  8 nfs,lockd

debian:~/temp# tail -n 10 /var/log/messages
Feb  1 08:36:50 debian kernel: agpgart: agp_backend_initialize() failed.
Feb  1 08:36:50 debian kernel: agpgart-serverworks: probe of 0000:00:00.1 failed with error -22
Feb  1 08:36:50 debian kernel: input: Power Button (FF) as /devices/virtual/input/input3
Feb  1 08:36:50 debian kernel: ACPI: Power Button (FF) [PWRF]
Feb  1 08:36:50 debian kernel: EXT3 FS on dm-2, internal journal
Feb  1 08:36:50 debian kernel: loop: module loaded
Feb  1 08:36:50 debian kernel: Adding 524280k swap on /dev/mapper/v0-swap.  Priority:-1
extents:1 across:524280k
Feb  1 08:36:50 debian kernel: e100: eth0: e100_watchdog: link up, 100Mbps, full-duplex
Feb  1 08:39:18 debian kernel: RPC: Registered udp transport module.
Feb  1 08:39:18 debian kernel: RPC: Registered tcp transport module.

debian:~/temp# grep nfs /proc/filesystems
nodev   nfs

debian:~/temp# exit
exit

Script done on Fri 01 Feb 2008 08:44:38 AM EST
```

2.6.24-openvz fails:

```
Script started on Fri 01 Feb 2008 08:50:44 AM EST

debian:~/temp# lsmod | grep nfs
nfs                107596  0
lockd               54792  1 nfs
sunrpc             146300  4 nfs,lockd

debian:~/temp# modprobe -v nfs

debian:~/temp# lsmod | grep nfs
nfs                107596  0
lockd               54792  1 nfs
sunrpc             146300  4 nfs,lockd

debian:~/temp# tail -n 10 /var/log/messages
Feb  1 08:49:12 debian kernel: input: Power Button (FF) as /devices/virtual/input/input3
Feb  1 08:49:12 debian kernel: ACPI: Power Button (FF) [PWRF]
Feb  1 08:49:12 debian kernel: EXT3 FS on dm-2, internal journal
Feb  1 08:49:12 debian kernel: loop: module loaded
Feb  1 08:49:12 debian kernel: Adding 524280k swap on /dev/mapper/v0-swap.  Priority:-1
extents:1 across:524280k
Feb  1 08:49:12 debian kernel: e100: eth0: e100_watchdog: link up, 100Mbps, full-duplex
Feb  1 08:49:14 debian kernel: ip_tables: (C) 2000-2006 Netfilter Core Team
```

Feb 1 08:49:14 debian kernel: NET: Registered protocol family 17
Feb 1 08:50:05 debian kernel: RPC: Registered udp transport module.
Feb 1 08:50:05 debian kernel: RPC: Registered tcp transport module.

debian:~/temp# grep nfs /proc/filesystems

debian:~/temp# exit
exit

Script done on Fri 01 Feb 2008 08:51:47 AM ESTThe difference is that nfs does not appear under filesystems with the openvz kernel. I wonder why? The exact same system is used to boot both kernels.

My kernel config is minimal, I eliminated as much as possible. Maybe some deprecated option is needed by the openvz kernel but not the vanilla?

Or maybe it's an openvz bug?
