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Subject: \*RESOLVED\* nfs and openvz

Posted by [duelster](#) on Fri, 06 Jul 2007 03:21:39 GMT

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Hello All. New user of openvz. I have an openvz server VE that used to be able to mount an nfs share on a remote system. VE Server lost power and nfs hasn't worked since. Have not been able to mount this nfs share. Have read and googled but can't get nfs to work. I have files on another server that I need to access from this VE and can't get the nfs share to mount. Error is:

```
# mount /media
```

```
mount: fs type nfs not supported by kernel
```

```
# service nfs start
```

```
Starting NFS services:           OK ]
```

```
Starting NFS quotas:           OK ]
```

```
Starting NFS daemon:           FAILED]
```

```
Starting NFS mountd:           OK ]
```

```
Starting RPC idmapd: Error: RPC MTAB does not exist.
```

```
# tail -f /var/log/messages
```

```
Jul  5 08:07:18 mydomain nfs: Starting NFS services: succeeded
```

```
Jul  5 08:07:18 mydomain nfs: rpc.rquotad startup succeeded
```

```
Jul  5 08:07:18 mydomain nfsd[32573]: nfssvc: No such device
```

```
Jul  5 08:07:18 mydomain nfs: rpc.nfsd startup failed
```

```
Jul  5 08:07:18 mydomain nfs: rpc.mountd startup succeeded
```

```
I've restart portmap
```

```
I've modprobe sunrpc
```

```
# service rpcidmapd start
```

```
Starting RPC idmapd: Error: RPC MTAB does not exist.
```

```
]# service netfs start
```

```
Mounting NFS filesystems: mount: fs type nfs not supported by kernel
```

```
[FAILED]
```

```
Mounting other filesystems: mount: none already mounted or /dev/pts busy
```

```
mount: according to mtab, devpts is already mounted on /dev/pts [FAILED]
```

```
uname -a: Linux mydomain.serv 2.6.18-8.el5.028stab031.1 #1 SMP Sat Apr 28 00:38:07 MSD  
2007 i686 i686 i386 GNU/Linux
```

```
HN: grep nfs /proc/filesystems
```

```
nodev  nfsd
```

```
nodev  nfs
```

```
nodev  nfs4
```

```
HN: /etc/sysctl.conf
net.ipv4.ip_forward = 1
net.ipv4.conf.default.proxy_arp = 0
net.ipv4.conf.default.rp_filter = 1
net.ipv4.conf.default.accept_source_route = 0
kernel.sysrq = 1
net.ipv4.tcp_syncookies = 1
net.ipv4.conf.default.send_redirects = 1
net.ipv4.conf.all.send_redirects = 0
kernel.ve_allow_kthreads=1
```

```
HN: /etc/vz/conf/101.conf
FEATURES="nfs:on"
```

```
VE: grep nfs /proc/filesystems
(NOTHING IN THIS FILE)
```

```
VE: /etc/sysctl.conf
net.ipv4.ip_forward = 0
net.ipv4.conf.default.rp_filter = 1
net.ipv4.conf.default.accept_source_route = 0
kernel.sysrq = 0
kernel.core_uses_pid = 1
kernel.ve_allow_kthreads=1
```

It was working before I lost power to the server. Any ideas?

Noel

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Subject: Re: nfs and openvz  
Posted by [ataraxis](#) on Fri, 06 Jul 2007 10:10:58 GMT  
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Hi,  
this happens to me, when the VE was started, while the nfs kernel module was not loaded in the HN.  
Did you try to restart the VE?

Cheers,  
Kai

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Subject: SOLVED \*\* Re: nfs and openvz  
Posted by [duelster](#) on Fri, 06 Jul 2007 14:13:22 GMT  
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thanks ataraxis!

your post hinted to me that the problem may not be at the VE at all. I started "netfs" on the HN and it works now.

Noel

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Subject: Re: SOLVED \*\* Re: nfs and openvz  
Posted by [ittec](#) on Mon, 06 Oct 2008 09:47:25 GMT  
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Hi all

i have same problem. I have experience with OpenVZ but I never tried NFS with VPS. Today was first time. And i couldn't let it runing. My intention is to run NFS server in container if is possible. So I did next steps:

- 1) I created new VPS
- 2) With vzyum, installed nfs  
# vzyum VPSID install nfs\*
- 3) Setup NFS inside VPS (export, hosts.allow)
- 4) Inside VPS, tried to run services  
# /etc/init.d/portmap  
# /etc/initd./nfs

Starting NFS services:	[ OK ]
Starting NFS daemon:	[FAILED]

output /var/log/messages  
Oct 6 11:43:38 52 nfsd[5290]: nfssvc: No such device

I read this thread and installed a NFS utils on HNode and then restarted VPS without success. When i try to run NFS on HN it happens:

```
Oct 6 12:21:01 hn10 mountd[31545]: Caught signal 15, un-registering and exiting.
Oct 6 12:21:01 hn10 kernel: nfsd: last server has exited
Oct 6 12:21:01 hn10 kernel: nfsd: unexporting all filesystems
Oct 6 12:21:01 hn10 kernel: NFSD: Using /var/lib/nfs/v4recovery as the NFSv4 state recovery directory
Oct 6 12:21:01 hn10 kernel: NFSD: starting 90-second grace period
```

IPtables on HN are disabled. And the rest of services works properly.

Kernel is:

Linux 2.6.18-92.1.1.el5.028stab057.2PAE

I checked kernel config file on /boot and nothin is returned

```
# cat config-2.6.18-92.1.1.el5.028stab057.2PAE |grep "CONFIG_NFDS"
```

Nothing returned :/

Can anybody give some idea? Do I have to recompile kernel with NFS support? or are there another way ?

Thanks!

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Subject: Re: SOLVED \*\* Re: nfs and openvz  
Posted by [dowdle](#) on Tue, 13 Jan 2009 19:16:59 GMT  
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Have you read the wiki pages on NFS?

You can't run the kernel-based NFS server inside of a container. That has been made clear from the beginning.

You can however:

- 1) Run a userspace NFS server (haven't tried it myself)
  - 2) Have a container that is an NFS client
-