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

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

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

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!

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
