
Subject: Re: Does AutoFS work in OpenVZ yet?
Posted by [dranch](#) on Thu, 18 Oct 2007 18:51:19 GMT
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When you say autofs/nfs works in a VPS, is that with a vanilla patched kernel or a Centos5 patched kernel? Again.. here on Centos5, it doesn't work.

On the base system's OS (Centos5):

```
-----  
# uname -a  
Linux dolly-centos5-openvz.xxx.xxx.xxx 2.6.18-8.1.14.el5.028stab045.1 #1 SMP Mon Oct 1  
13:22:25 MSD 2007 i686 i686 i386 GNU/Linux  
  
# /sbin/lsmmod | grep auto  
autofs4          24324  8  
  
# tail /etc/vz/conf/101.conf  
--  
.  
.  
VE_PRIVATE="/vz/private/$VEID"  
ORIGIN_SAMPLE="pvl.basic"  
OSTEMPLATE="centos-5-i386-default"  
NAME="dolly-centos5-A"  
HOSTNAME="dolly-centos5-A"  
IP_ADDRESS="10.159.4.232"  
NAMESERVER="172.17.28.100 172.17.28.101"  
NETDEV="eth1"  
FEATURES="nfs:on"  
--
```

In the VPS....

```
#cat /proc/filesystems  
    ext2  
    ext3  
nodev  rpc_pipefs  
nodev  autofs  
nodev  nfs  
nodev  proc  
nodev  sysfs  
nodev  tmpfs
```

nodev devpts

Moving forward, a manual mount works fine in the physical machine's OS as does an automount (for example, the "labtools" mount):

```
# mount -t nfs 10.159.4.7:/ /mnt  
[works fine]
```

```
#df
```

```
.  
.
```

```
phobos-cf2:/vol/lab/labtools  
41943040 29057984 12885056 70% /volume/labtools  
10.159.4.7:/ 948779200 103575840 797008192 12% /mnt
```


Now.. in a VPS, there are all the initial autofs errors upon initial load that are shown earlier in this thread. Manual NFS mounts DO work though there are some minor issues:

1) it throws a permission error:

```
mount -t nfs 10.159.4.7:/ /mnt
```

Can't set perms on /etc/mtab

```
# ls -la /etc/mtab
```

```
lrwxrwxrwx 1 root root 12 Aug 16 17:46 /etc/mtab -> /proc/mounts
```

2) The "mount" command shows the source of the mount as "nfs" and not the IP address (like what it does on the physical machine shown above. Seems minor but might mean something

```
[root@dolly-centos5-A /]# df
```

Filesystem	1K-blocks	Used	Available	Use%	Mounted on
simfs	2389512	365772	2023740	16%	/
nfs	948779200	103575840	797008192	12%	/mnt

Still.. with all this.. running the RHEL5 kernel, the manual NFS mount is functional but "autofs"

doesn't work when I try to login to the VPS:

```
#ssh dranch@10.159.4.232
```

```
dranch@10.159.4.232's password:
```

```
Last login: Thu Oct 18 11:37:52 2007 from 10.150.52.4
```

```
Could not chdir to home directory /homes/dranch: No such file or directory
```

```
-bash-3.1$
```