Subject: Ubuntu VE duplicate mounts /var/run /var/lock
Posted by nixgeek on Tue, 19 Aug 2008 21:02:38 GMT
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Hi,

I have an issue {or I think it is} when I am in a VE
I notice that the following mount points are mounted 2
and sometimes 3 times...

/var/run
/var/lock

root@mysqlvz01:/# df -h
Filesystem Size Used Avail Use% Mounted on
simfs 4.0G 470M 3.6G 12% /
tmpfs 1.9G 32K 1.9G 1% /var/run
tmpfs 1.9G 0 1.9G 0% /var/lock
tmpfs 1.9G 0 1.9G 0% /dev/shm
tmpfs 1.9G 32K 1.9G 1% /var/run
tmpfs 1.9G 0 1.9G 0% /var/lock
tmpfs 1.9G 32K 1.9G 1% /var/run
tmpfs 1.9G 0 1.9G 0% /var/lock
tmpfs 1.9G 32K 1.9G 1% /var/run
tmpfs 1.9G 0 1.9G 0% /var/lock
tmpfs 1.9G 32K 1.9G 1% /var/run
tmpfs 1.9G 0 1.9G 0% /var/lock

Is this normal?

Current Setup:

Server: Ubuntu 8.04
Vzkernel: Linux vmserver 2.6.24-19-openvz #1 SMP Sat Jul 12 01:13:47 UTC 2008 x86_64 GNU/Linux

vzctl: 3.0.22
VE: ubuntu-8.04-amd64-minimal

Hardware:
CPU: Intel core 2 duo e6400
Mem: 4GB
Nic: Intel Pro 1000 ethernet adapter

Subject: Re: Ubuntu VE duplicate mounts /var/run /var/lock
Posted by piavlo on Wed, 20 Aug 2008 22:58:55 GMT

Well i'm not using ubuntu in openvz, but out of curiosity i took a look at normal desktop ubuntu installation
fgrep /var/run /proc/mounts
tmpfs /var/run tmpfs rw,nosuid,nodev,noexec 0 0
tmpfs /var/run tmpfs rw,nosuid,nodev,noexec 0 0
tmpfs /var/run tmpfs rw,nosuid,nodev,noexec 0 0
fgrep /var/lock /proc/mounts
tmpfs /var/lock tmpfs rw,nosuid,nodev,noexec 0 0
tmpfs /var/lock tmpfs rw,nosuid,nodev,noexec 0 0
tmpfs /var/lock tmpfs rw,nosuid,nodev,noexec 0 0
#
So this looks like unrelated to openvz ubuntu bug probably
in init.d scripts
egrep -e 'do.*/var/(lock|run)[[:space:]]' /etc/init.d/*
/etc/init.d/mountkernfs.sh: domount tmpfs "" /var/run -omode=0755,nodev,noexec,nosuid
/etc/init.d/mountkernfs.sh: domount tmpfs "" /var/lock -omode=1777,nodev,noexec,nosuid
/etc/init.d/mtab.sh: domtab tmpfs /var/run "varrun" -omode=0755,nodev,noexec,nosuid
/etc/init.d/mtab.sh: domtab tmpfs /var/lock "varlock" -omode=1777,nodev,noexec,nosuid
#
But # fgrep /var/lock /etc/mtab
varlock /var/lock tmpfs rw,noexec,nosuid,nodev,mode=1777 0 0
#

Subject: Re: Ubuntu VE duplicate mounts /var/run /var/lock
Posted by nixgeek on Thu, 21 Aug 2008 02:44:37 GMT

So any suggestions on how this can be resolved.

Here is the output from a VE.

root@mysqlvz01[/email]:/# egrep -e 'do.*/var/(lock|run)[[:space:]]' /etc/init.d/*
/etc/init.d/mountkernfs.sh: domount tmpfs "" /var/run -omode=0755,nodev,noexec,nosuid
/etc/init.d/mountkernfs.sh: domount tmpfs "" /var/lock -omode=1777,nodev,noexec,nosuid
/etc/init.d/mtab.sh: domtab tmpfs /var/run "varrun" -omode=0755,nodev,noexec,nosuid
/etc/init.d/mtab.sh: domtab tmpfs /var/lock "varlock" -omode=1777,nodev,noexec,nosuid

root@mysqlvz01:/# fgrep /var/lock /etc/mtab
tmpfs /var/lock tmpfs rw,nosuid,nodev,noexec 0 0
tmpfs /var/lock tmpfs rw,nosuid,nodev,noexec,relatime 0 0
tmpfs /var/lock tmpfs rw,nosuid,nodev,noexec,relatime 0 0
tmpfs /var/lock tmpfs rw,nosuid,nodev,noexec,relatime 0 0
tmpfs /var/lock tmpfs rw,nosuid,nodev,noexec,relatime 0 0

root@mysqlvz01:/# egrep -e 'do.*/var/(lock|run)[[:space:]]' /etc/init.d/*

/etc/init.d/mountkernfs.sh: domount tmpfs "" /var/run -omode=0755,nodev,noexec,nosuid
/etc/init.d/mountkernfs.sh: domount tmpfs "" /var/lock -omode=1777,nodev,noexec,nosuid
/etc/init.d/mtab.sh: domtab tmpfs /var/run "varrun" -omode=0755,nodev,noexec,nosuid
/etc/init.d/mtab.sh: domtab tmpfs /var/lock "varlock" -omode=1777,nodev,noexec,nosuid

root@mysqlvz01:/# fgrep /var/run /etc/mtab
tmpfs /var/run tmpfs rw,nosuid,nodev,noexec 0 0
tmpfs /var/run tmpfs rw,nosuid,nodev,noexec,relatime 0 0
tmpfs /var/run tmpfs rw,nosuid,nodev,noexec,relatime 0 0
tmpfs /var/run tmpfs rw,nosuid,nodev,noexec,relatime 0 0
tmpfs /var/run tmpfs rw,nosuid,nodev,noexec,relatime 0 0

==========

df -h output

Filesystem	Size	Used	Avail	Use%	Mounted on
simfs	4.0G	470M	3.6G	12%	/
tmpfs	1.9G	32K	1.9G	1%	/var/run
tmpfs	1.9G	0	1.9G	0%	/var/lock
tmpfs	1.9G	0	1.9G	0%	/dev/shm
tmpfs	1.9G	32K	1.9G	1%	/var/run
tmpfs	1.9G	0	1.9G	0%	/var/lock
tmpfs	1.9G	32K	1.9G	1%	/var/run
tmpfs	1.9G	0	1.9G	0%	/var/lock
tmpfs	1.9G	32K	1.9G	1%	/var/run
tmpfs	1.9G	0	1.9G	0%	/var/lock
tmpfs	1.9G	32K	1.9G	1%	/var/run
tmpfs	1.9G	0	1.9G	0%	/var/lock

Could this potentially be a problem?

Subject: Re: Ubuntu VE duplicate mounts /var/run /var/lock
Posted by kenjy on Fri, 22 Aug 2008 15:37:23 GMT
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I never saw something like that but It looks like a problem with the scripts of init in the ubuntu template.

Subject: Re: Ubuntu VE duplicate mounts /var/run /var/lock
Posted by darruda on Wed, 29 Dec 2010 15:23:39 GMT
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I'm this having the same issue.

I would discard the option of an issue with the ubuntu template since I have 2 other VPS in the same server, based on the same template, without this issue.

```
root@machine:~# uname -a
Linux xxxxxxx.com 2.6.24-24-openvz #1 SMP Wed Apr 15 17:40:08 UTC 2009 x86_64 GNU/Linux

root@machine:~# df -h
Filesystem            Size  Used Avail Use% Mounted on
simfs                 418G  245G  132G  66% /
tmpfs                 7.9G   36K  7.9G   1% /var/run
tmpfs                 7.9G     0  7.9G   0% /var/lock
simfs                 418G  245G  132G  66% /dev/.static/dev
udev                  7.9G     0  7.9G   0% /dev
tmpfs                 7.9G     0  7.9G   0% /dev/shm
tmpfs                 7.9G   36K  7.9G   1% /var/run
tmpfs                 7.9G     0  7.9G   0% /var/lock
tmpfs                 7.9G   36K  7.9G   1% /var/run
tmpfs                 7.9G     0  7.9G   0% /var/lock
tmpfs                 7.9G   36K  7.9G   1% /var/run
tmpfs                 7.9G     0  7.9G   0% /var/lock

root@machine:~# mount
simfs on / type simfs (rw,relatime)
proc on /proc type proc (rw,nosuid,nodev,noexec)
sysfs on /sys type sysfs (rw,nosuid,nodev,noexec)
tmpfs on /var/run type tmpfs (rw,nosuid,nodev,noexec)
tmpfs on /var/lock type tmpfs (rw,nosuid,nodev,noexec)
simfs on /dev/.static/dev type simfs (rw,relatime)
udev on /dev type tmpfs (rw,relatime)
tmpfs on /dev/shm type tmpfs (rw,relatime)
devpts on /dev/pts type devpts (rw,relatime)
tmpfs on /var/run type tmpfs (rw,nosuid,nodev,noexec,relatime)
tmpfs on /var/lock type tmpfs (rw,nosuid,nodev,noexec,relatime)
tmpfs on /var/run type tmpfs (rw,nosuid,nodev,noexec,relatime)
tmpfs on /var/lock type tmpfs (rw,nosuid,nodev,noexec,relatime)
tmpfs on /var/run type tmpfs (rw,nosuid,nodev,noexec,relatime)
tmpfs on /var/lock type tmpfs (rw,nosuid,nodev,noexec,relatime)
```

Any ideas how to sort this out? This is a production environment so I can not be experimenting this with a live server...

Many thanks!
Dário

Subject: Re: Ubuntu VE duplicate mounts /var/run /var/lock
Posted by TheStig on Mon, 03 Jan 2011 14:20:42 GMT
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I guess it is an issue with ubuntu's init.d scripts, as I got this bug with all Ubuntu versions/-templates that i created via debootstrap.

I never experienced any problems with multiple /var/run and /var/lock entries in /proc/mounts though.

Subject: Re: Ubuntu VE duplicate mounts /var/run /var/lock
Posted by darruda on Mon, 03 Jan 2011 14:30:51 GMT
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Hi all.

@TheStig - Thanks for your reply but as I mentioned, the issue is not likely to be related with the template since I have more than 10 VPS created with the same template and only 2 have this problem.

I spend some time trying to find out what was the difference between the VPSs and eventually managed to sort it out:

The only point in common between the 2 VPS showing duplicated mounts was that both had an entry in /etc/fstab with a nfs mount. More, this location was not available anymore as the machine had been removed months ago.

Just removed this entries from the fstab, restarted the VPS and... voilá! No multiple mounts for /var/lock or /var/run.

Hope this helps.

Subject: Re: Ubuntu VE duplicate mounts /var/run /var/lock
Posted by TheStig on Fri, 07 Jan 2011 12:34:08 GMT
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that's quite funny - i never ever use nfs

i think, at least on my hardware the issue located somewhere here:

on HN

joseph@av-3:~$ ls -al /vz/private/104/etc/mtab
lrwxrwxrwx 1 root root 12 2011-01-04 14:32 /vz/private/104/etc/mtab -> /proc/mounts
joseph@av-3:~$ ls -al /vz/private/103/etc/mtab
lrwxrwxrwx 1 root root 12 2010-01-25 12:51 /vz/private/103/etc/mtab -> /proc/mounts

joseph@av-3:~$ cat /proc/mounts |egrep "lock|run"
tmpfs /var/lib/vz/root/101/var/run tmpfs rw,nosuid,nodev,noexec,mode=755 0 0
tmpfs /var/lib/vz/root/101/var/lock tmpfs rw,nosuid,nodev,noexec 0 0
tmpfs /var/lib/vz/root/101/var/run tmpfs rw,nosuid,nodev,noexec,mode=755 0 0
tmpfs /var/lib/vz/root/101/var/lock tmpfs rw,nosuid,nodev,noexec 0 0
tmpfs /var/lib/vz/root/102/var/run tmpfs rw,nosuid,nodev,noexec,mode=755 0 0
tmpfs /var/lib/vz/root/102/var/lock tmpfs rw,nosuid,nodev,noexec 0 0
tmpfs /var/lib/vz/root/102/var/run tmpfs rw,nosuid,nodev,noexec,mode=755 0 0
tmpfs /var/lib/vz/root/102/var/lock tmpfs rw,nosuid,nodev,noexec 0 0
tmpfs /var/lib/vz/root/103/var/run tmpfs rw,nosuid,nodev,noexec,mode=755 0 0
tmpfs /var/lib/vz/root/103/var/lock tmpfs rw,nosuid,nodev,noexec 0 0
tmpfs /var/lib/vz/root/103/var/run tmpfs rw,nosuid,nodev,noexec,mode=755 0 0
tmpfs /var/lib/vz/root/103/var/lock tmpfs rw,nosuid,nodev,noexec 0 0
joseph@av-3:~$ uname -a
Linux av-3.VWX.YZ 2.6.26-2-openvz-amd64 #1 SMP Thu Nov 5 03:06:00 UTC 2009 x86_64 GNU/Linux

101 - 103 are Ubuntu 8.04 templates created via debootstrap, 104 is running a RHEL4-VPS that i created out of a former physical machine - thats why i guess, that at least in my case, it has something to do with ubuntu/debian-specific init.d's or OSTEMPLATE-scripts.
Bus as I believe the issue to be of an entirely cosmetic nature, I never bothered to try and fix it.

Subject: Re: Ubuntu VE duplicate mounts /var/run /var/lock
Posted by skatebored on Sun, 14 Aug 2011 12:17:26 GMT
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halu...

try this one :
1. vi /etc/init/openvz.conf
2. disable these lines below :
   mount -t tmpfs varrun /var/run
   mount -t tmpfs varlock /var/lock
3. save and restart ct
