Subject: Strange mount problem
Posted by Marc Peiser on Mon, 20 Jun 2011 12:26:31 GMT
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Hi,

I've started noticing that one of our openvz servers is doing something strange to the containers on that box, about 90% of them are now unable to do a df to show disk space, it returns nothing. I tried upgrading to the latest kernel version and still have this problem. The files are all there and everything seems to run fine apart from been able to see disk space used.

[root@va-box /]# df
Filesystem 1K-blocks Used Available Use% Mounted on
[root@va-box /]# mount
none on /dev/pts type devpts (rw)
none on /proc/sys/fs/binfmt_misc type binfmt_misc (rw)
[root@va-box /]#

Has anyone seen this before?

Regards,
Marc

Subject: Re: Strange mount problem
Posted by kir on Wed, 22 Jun 2011 12:27:04 GMT
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On 06/20/2011 04:26 PM, Marc Peiser wrote:
> Hi,
>
> I've started noticing that one of our openvz servers is doing something strange to the containers on that box, about 90% of them are now unable to do a df to show disk space, it returns nothing. I tried upgrading to the latest kernel version and still have this problem. The files are all there and everything seems to run fine apart from been able to see disk space used.
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> none on /dev/pts type devpts (rw)
> none on /proc/sys/fs/binfmt_misc type binfmt_misc (rw)
> [root@va-box /]#

Please provide the output of the following commands (in a container):
ls -l /etc/mtab
ls -l /proc/mounts
cat /proc/mounts
cat /etc/mtab

And on the host system:
uname -a
rpm -q vzctl

Subject: Re: Strange mount problem
Posted by dowdle on Wed, 22 Jun 2011 15:26:26 GMT
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Marc,

----- Original Message -----
> [root@va-box /]# df
> Filesystem 1K-blocks Used Available Use% Mounted on
> [root@va-box /]# mount
> none on /dev/pts type devpts (rw)
> none on /proc/sys/fs/binfmt_misc type binfmt_misc (rw)
> [root@va-box /]#

As kir pointed out... if /etc/mtab is not a symlink to /proc/mounts, make it one and it'll probably work for you again.

TYL,
--
Scott Dowdle
704 Church Street
Belgrade, MT 59714
(406)388-0827 [home]
(406)994-3931 [work]

Subject: Re: Strange mount problem
Posted by Marc Peiser on Mon, 27 Jun 2011 10:42:19 GMT
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Hi Kir,

Here's the output you requested:

Container:
[root@va-apache /]# ls -l /etc/mtab
-rw-r--r-- 1 root root 77 Jun 17 15:53 /etc/mtab
[root@va-apache /]# ls -l /proc/mounts
lr-xr-xr-x 1 root root 11 Jun 27 12:32 /proc/mounts -> self/mounts
[root@va-apache /]# cat /proc/mounts
/dev/simfs / simfs rw,relatime 0 0

/dev/root /opt/apps-shared1 ext3 rw,relatime,data=ordered 0 0
/dev/root /opt/apps-shared2 ext3 rw,relatime,data=ordered 0 0
//172.20.40.10/F$ /opt/dataserver cifs
 rw,mand,nodev,noexec,relatime,unc=\\172.20.40.10\F$,username
=fileshare,uid=500,forceuid,gid=0,noforcegid,addr=172.20.40.
10,file_mode=02767,dir_mode=0777,rsize=16384,wsize=57344
0 0
proc /proc proc rw,relatime 0 0
sysfs /sys sysfs rw,relatime 0 0
none /dev tmpfs rw,relatime 0 0
none /dev/pts devpts rw,relatime 0 0
none /proc/sys/fs/binfmt_misc binfmt_misc rw,relatime 0 0
[root@va-apache /]# cat /etc/mtab
none /dev/pts devpts rw 0 0
none /proc/sys/fs/binfmt_misc binfmt_misc rw 0 0

Host:
[root@lnxsvr2 ~]# uname -a
Linux lnxsvr2.valuead.com 2.6.18-238.12.1.el5.028stab091.1 #1 SMP Wed
Jun 1 13:20:25 MSD 2011 x86_64 x86_64 x86_64 GNU/Linux
[root@lnxsvr2 ~]# rpm -q vzctl
vzctl-3.0.28.3-1

Regards,
Marc

On Wed, Jun 22, 2011 at 2:27 PM, Kir Kolyshkin <kir@openvz.org> wrote:
> On 06/20/2011 04:26 PM, Marc Peiser wrote:
>>
>> Hi,
>>
>> I've started noticing that one of our openvz servers is doing something
>> strange to the containers on that box, about 90% of them are now unable to
>> do a df to show disk space, it returns nothing. I tried upgrading to the
>> latest kernel version and still have this problem. The files are all there
>> and everything seems to run fine apart from been able to see disk space
>> used.
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>> [root@va-box /]# df
>> Filesystem   1K-blocks   Used Available Use% Mounted on
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> Please provide the output of the following commands (in a container):
> ls -l /etc/mtab
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> cat /proc/mounts
> cat /etc/mtab
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> And on the host system:
> uname -a
> rpm -q vzctl
>

--
Marc Peiser
IT Matter cc
Tel : 071 678 5368
Fax : 086 602 2880
Email : marc@itmatter.co.za

Subject: Re: Strange mount problem
Posted by Marc Peiser on Mon, 27 Jun 2011 10:45:49 GMT
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Hi Scott,

You are correct, /etc/mtab was not a symlink. I deleted it and created
a symlink but when I restart the container it's back to a normal file
again:

[root@va-webdav /]# rm -rf /etc/mtab
[root@va-webdav /]# ln -s /proc/mounts /etc/mtab
[root@va-webdav /]# ls -l /etc/mtab
lrwxrwxrwx 1 root root 12 Jun 27 12:37 /etc/mtab -> /proc/mounts
[root@va-webdav /]# init 6
[root@va-webdav /]# got signal 15
exited from CT 233
[root@lnxsvr2 ~]# vzenter 233
entered into CT 233
[root@va-webdav /]# df -h
Filesystem Size Used Avail Use% Mounted on
[root@va-webdav /]# ls -l /etc/mtab
-rw-r--r-- 1 root root 77 Jun 27 12:38 /etc/mtab

Thanks,
Marc

On Wed, Jun 22, 2011 at 5:26 PM, Scott Dowdle <dowdle@montanalinux.org> wrote:
> Marc,
>

> ----- Original Message -----
>> [root@va-box /]# df
>> Filesystem 1K-blocks Used Available Use% Mounted on
>> [root@va-box /]# mount
>> none on /dev/pts type devpts (rw)
>> none on /proc/sys/fs/binfmt_misc type binfmt_misc (rw)
>> [root@va-box /]#
>
> As kir pointed out... if /etc/mtab is not a symlink to /proc/mounts, make it one and it'll probably work for you again.
>
> TYL,
> --
> Scott Dowdle
> 704 Church Street
> Belgrade, MT 59714
> (406)388-0827 [home]
> (406)994-3931 [work]
--
Marc Peiser
IT Matter cc
Tel : 071 678 5368
Fax : 086 602 2880
Email : marc@itmatter.co.za

Subject: Re: Strange mount problem
Posted by Marc Peiser on Mon, 27 Jun 2011 14:44:57 GMT
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Anatoly,

I'm using one of the precreated centos 5 templates from about a year
ago, not 100% sure which one. Is there a easy way to tell?

The only bit I can see is this from /etc/init.d/network

rootopts=$(awk '{ if ($1 !~ /^[\t]*#/ && $2 == "/") { print $4; }}' /etc/mtab)

Not sure if that writes to mtab or not?

On Mon, Jun 27, 2011 at 1:44 PM, Anatoly Pugachev <matorola@gmail.com> wrote:
> Marc,
>
> what Linux/OS template was used to create this container?
> You can probably grep start scripts of this Linux, to see is there's

> anything which could change /etc/mtab file?
>
> On Mon, Jun 27, 2011 at 2:45 PM, Marc Peiser <marc@itmatter.co.za> wrote:
>> Hi Scott,
>>
>> You are correct, /etc/mtab was not a symlink. I deleted it and created
>> a symlink but when I restart the container it's back to a normal file
>> again:
>>
>> [root@va-webdav /]# rm -rf /etc/mtab
>> [root@va-webdav /]# ln -s /proc/mounts /etc/mtab
>> [root@va-webdav /]# ls -l /etc/mtab
>> lrwxrwxrwx 1 root root 12 Jun 27 12:37 /etc/mtab -> /proc/mounts
>> [root@va-webdav /]# init 6
>> [root@va-webdav /]# got signal 15
>>   exited from CT 233
>> [root@lnxsvr2 ~]# vzenter 233
>> entered into CT 233
>> [root@va-webdav /]# df -h
>> Filesystem   Size Used Avail Use% Mounted on
>> [root@va-webdav /]# ls -l /etc/mtab
>> -rw-r--r-- 1 root root 77 Jun 27 12:38 /etc/mtab
>>
>> Thanks,
>> Marc
>>
>> On Wed, Jun 22, 2011 at 5:26 PM, Scott Dowdle <dowdle@montanalinux.org> wrote:
>>> Marc,
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>>> As kir pointed out... if /etc/mtab is not a symlink to /proc/mounts, make it one and it'll probably work for you again.
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Marc Peiser
IT Matter cc
Tel : 071 678 5368
Fax : 086 602 2880

Email : marc@itmatter.co.za