Subject: Quotas / Disk Space
Posted by Douglas Phillips on Fri, 03 Nov 2006 20:19:49 GMT

First of all, this is my first post to the list. I've tried to do
some research and investigation on this, but at this point have not
found anything useful.

Here's the scenario:
Customer using OpenVZ, RHEL 4 Update 3, Kernel 2.6.9-023stab016.2-smp
They tell me that they have 200G of space on the drive, and there is
one partition that is not mounted, but when I try to mount comes up
with "/dev/hda6 already mounted or /mnt/test busy".

I'm assuming that VZ is using that partition in a raw format,
although I have no specific information that I've found that confirms
that. Am I correct?

Mount points on the host machine are as follows:
[root@(machine) ~]# df -h
Filesystem   Size Used Avail Use% Mounted on
/dev/hda3   20G 9.1G 9.7G 49% /
/dev/hda1   99M   45M   50M 48% /boot
none   1008M   0 1008M   0% /dev/shm
/dev/hda2   20G   13G 5.8G 70% /var
/dev/mapper/vps-swap 20G   18G 1.7G 92% /srv/vservers/swap
[root@(machine) ~]# mount
/dev/hda3 on / type ext3 (rw)
none on /proc type proc (rw)
none on /sys type sysfs (rw)
none on /dev/pts type devpts (rw,gid=5,mode=620)
/dev/hda1 on /boot type ext3 (rw)
none on /dev/shm type tmpfs (rw)
/dev/hda2 on /var type ext3 (rw)
/dev/mapper/vps-swap on /srv/vservers/swap type ext3 (rw)
[root@(machine) ~]#

The problem is as follows:
There are 6 VEs currently running on the system, 4 with quotas set at
11GB, 1 at 5GB, and the one in question which was at 5GB, but which I
upped to 20GB. When I "rebooted" this VPS, #102, and I go back, the
quota stat shows quota back at 5GB.

The internal df output shows the following:
bash-3.00# df -h
Filesystem   Size Used Avail Use% Mounted on
simfs   3.4G 699M 1.7G 30% /
tmpfs   1008M   0 1008M   0% /dev/shm

```
tmpfs                1008M    0 1008M   0% /dev/shm
bash-3.00#
```

The desired result is that the filesystem would have 20GB available
to it. Obviously that's not happening. Since I am not familiar with
OpenVZ, I'd like to get some suggestions from the community on where
I should look to resolve the issue.

Thanks in advance,

--
Douglas G. Phillips
Simple Business Solutions

Subject: Re: Quotas / Disk Space
Posted by Mishin Dmitry on Tue, 07 Nov 2006 08:35:06 GMT
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Hi, Douglas!

Answers are inline.

On Friday 03 November 2006 23:19, Douglas Phillips wrote:
> First of all, this is my first post to the list. I've tried to do
> some research and investigation on this, but at this point have not
> found anything useful.
>
> Here's the scenario:
> Customer using OpenVZ, RHEL 4 Update 3, Kernel 2.6.9-023stab016.2-smp
I advice to upgrade to newer 2.6.9 kernel - it is much more stable, than this.

> They tell me that they have 200G of space on the drive, and there is
> one partition that is not mounted, but when I try to mount comes up
> with "/dev/hda6 already mounted or /mnt/test busy".
>
> I'm assuming that VZ is using that partition in a raw format,
> although I have no specific information that I've found that confirms
> that. Am I correct?
No, OpenVZ doesn't use raw partitions.
>
> Mount points on the host machine are as follows:
> [root@(machine) ~]# df -h
> Filesystem   Size Used Avail Use% Mounted on
> /dev/hda3   20G 9.1G 9.7G 49% /
> /dev/hda1   99M   45M   50M 48% /boot
> none   1008M   0 1008M   0% /dev/shm
> /dev/hda2   20G   13G 5.8G 70% /var

> /dev/mapper/vps-swap 20G 18G 1.7G 92% /srv/vservers/swap
This is probably an answer - /dev/hda6 is used as a part of LVM group.

> [root@(machine) ~]# mount
> /dev/hda3 on / type ext3 (rw)
> none on /proc type proc (rw)
> none on /sys type sysfs (rw)
> none on /dev/pts type devpts (rw,gid=5,mode=620)
> /dev/hda1 on /boot type ext3 (rw)
> none on /dev/shm type tmpfs (rw)
> /dev/hda2 on /var type ext3 (rw)
> /dev/mapper/vps-swap on /srv/vservers/swap type ext3 (rw)
> [root@(machine) ~]#
>
> The problem is as follows:
> There are 6 VEs currently running on the system, 4 with quotas set at
> 11GB, 1 at 5GB, and the one in question which was at 5GB, but which I
> upped to 20GB. When I "rebooted" this VPS, #102, and I go back, the
> quota stat shows quota back at 5GB.
Probably, you uppped quota without --save flag. You could check this by `grep
DISKSPACE /etc/vz/conf/102.conf` command.

>
> The internal df output shows the following:
> bash-3.00# df -h
> Filesystem   Size Used Avail Use% Mounted on
> simfs   3.4G 699M 1.7G 30% /
> tmpfs   1008M   0 1008M   0% /dev/shm
> tmpfs   1008M   0 1008M   0% /dev/shm
> bash-3.00#
>
> The desired result is that the filesystem would have 20GB available
> to it. Obviously that's not happening. Since I am not familiar with
> OpenVZ, I'd like to get some suggestions from the community on where
> I should look to resolve the issue.
>
> Thanks in advance,
>
> --
> Douglas G. Phillips
> Simple Business Solutions
--
Thanks,
Dmitry.

Subject: Re: SOLVED: Quotas / Disk Space

Posted by Douglas Phillips on Tue, 07 Nov 2006 09:53:28 GMT

On Nov 7, 2006, at 2:35 AM, Dmitry Mishin wrote:

>> /dev/mapper/vps-swap   20G 18G 1.7G 92% /srv/vservers/swap
> This is probably an answer - /dev/hda6 is used as a part of LVM group.

That was the answer!! It was staring me in the face and I was
missing it. Thanks very much.

>> upped to 20GB. When I "rebooted" this VPS, #102, and I go back, the
>> quota stat shows quota back at 5GB.
> Probably, you uppped quota without --save flag. You could check
> this by `grep
> DISKSPACE /etc/vz/conf/102.conf` command.

I missed that flag as well.

--
Douglas Phillips
Simple Business Solutions