Subject: Re: disk use/empty files question
Posted by massimiliano.sciabica on Thu, 31 May 2012 20:23:12 GMT
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Hi,
I had a similar issue when I first tried to improve performance of VPS
with high number of small files.
When a VPS reports 0% usage it is usually due to a not ext2 family
filesystem. What fs where you using?

On 31/05/2012 21:41, Keith Keller wrote:
> Hello openvz users,
>
> I am brand new to OpenVZ, evaluating it to see if it will work in my
> environment. I have been playing around, and had a question about disk
> usage.
>
> I noticed that, when I first started using my new VZ container, that df
> always reported 0 blocks in use:
>
> # df -h
> Filesystem   Size Used Avail Use% Mounted on
> /dev/simfs   693G   0 693G 0% /
> none   16G 4.0K 16G 1% /dev
>
> This is even after having copied quite a bit of data into the container.
>
> Recently, the hardware node seems to have had a hard crash (which I'm
> still checking out). On restart, a large number of files that I'd
> previously added were truncated to be empty, for example:
>
> # ls -l /usr/lib64/libMagickWand.so.2.0.0
> -rwxr-xr-x 1 root root 0 May 7 12:07 /usr/lib64/libMagickWand.so.2.0.0
>
> I'm not sure how to interpret these events. Could they possibly be
> related? Is there an issue with my configuration that's causing
> problems with container storage?
>
> I am using a CentOS 6.2 on the hardware node, and the stock packages
> available from the OpenVZ repos. In addition, after the file size issue
> occurred I modified the VZ's config to increase the disk space limits
> (it was previously 2G:1000G), which I wonder might be the cause.
>
> Some additional info below. If you need any more details please let me
> know. Thanks!
>
>
>

```
> # uname -a
> Linux dhcp-128-32-252-85.lips.berkeley.edu 2.6.32-042stab055.10 #1 SMP
> Thu May 10 15:38:32 MSD 2012 x86_64 x86_64 x86_64 GNU/Linux
>
> # rpm -qa |grep vz
> vzctl-3.2.1-1.x86_64
> vzkernel-firmware-2.6.32-042stab055.10.noarch
> vzctl-lib-3.2.1-1.x86_64
> vzquota-3.0.12-1.x86_64
> vzkernel-2.6.32-042stab055.10.x86_64
>
> # cat /etc/vz/conf/21.conf
>
> # RAM (this particular server has 128GB of physical memory)
> PHYSPAGES="0:32G"
>
> # Swap
> SWAPPAGES="0:512M"
>
> # Disk quota parameters (in form of softlimit:hardlimit)
> DISKSPACE="1000G:2000G"
> DISKINODES="400000:500000"
> QUOTATIME="0"
>
> # CPU fair scheduler parameter
> CPUUNITS="1000"
> VE_ROOT="/vz/root/$VEID"
> VE_PRIVATE="/vz/private/$VEID"
> OSTEMPLATE="centos-6-x86_64"
> ORIGIN_SAMPLE="vswap-256m"
> FEATURES=" nfs:on"
>
>
>
```