Subject: Weird Disk Spac Problem
Posted by mperkel on Fri, 29 Aug 2008 14:22:04 GMT
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I have one server (Than I'm using as my main web server) where HTTP crashes and won't start saying that it has run out of disk space. However - there is plenty of disk space. Over 300 gigs free.

Fri Aug 29 07:00:27 2008] [emerg] (28)No space left on device: Couldn't create accept lock (/etc/httpd/logs/accept.lock.12239) (5)

The server has a single VE. But I did have an issue earlier where the disk free (df) didn't show simfs in the list. So I did a hard link /etc/mtab -> /proc/mounts and that put simfs back into the list. I had the problem before I did the hard link so I'm thinking there is something else wrong and my simlink masked it.

Why would simfs not show up in df? And why would df show plenty of space free at the time when apache thinks it is out of space?

Thanks in advance.

Subject: Re: Weird Disk Spac Problem
Posted by maratrus on Fri, 29 Aug 2008 15:31:25 GMT
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Hi,

I cannot understand if you talk about HN or about VE?
Where is httpd running?

Quote:
I did a hard link /etc/mtab -> /proc/mounts

hard link?

Quote:
Why would simfs not show up in df?

Because df gets its information from /etc/mtab?

Quote:
And why would df show plenty of space free at the time when apache thinks it is out of space?

Did you check user_beancounters?

May be disk inodes were expired? (df -i)

Subject: Re: Weird Disk Spac Problem
Posted by mperkel on Fri, 29 Aug 2008 16:43:31 GMT
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Sorry - I meant simlink.

Inodes are 3% in use.

No overages on the bea counters. I'm not using quotas.

Subject: Re: Weird Disk Space Problem
Posted by mperkel on Fri, 29 Aug 2008 17:19:39 GMT
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Also - restarting the VZ service clears the error.

Subject: Re: Weird Disk Space Problem
Posted by mperkel on Fri, 29 Aug 2008 19:11:58 GMT
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Still investigating. Might have been a bean counter issue. One change I'm making to all my servers. Added this to my /etc/vz/vz.conf file.

```
# Primary parameters
AVNUMPROC="unlimited:unlimited"
NUMPROC="unlimited:unlimited"
NUMTCPSOCK="unlimited:unlimited"
NUMOTHERSOCK="unlimited:unlimited"
VMGUARPAGES="unlimited:unlimited"

# Secondary parameters
KMEMSIZE="2G:2G"
TCPSNDBUF="unlimited:unlimited"
TCPRCVBUF="unlimited:unlimited"
OTHERSOCKBUF="unlimited:unlimited"
DGRAMRCVBUF="unlimited:unlimited"
OOMGUARPAGES="unlimited:unlimited"

# Auxiliary parameters
LOCKEDPAGES="unlimited:unlimited"
SHMPAGES="unlimited:unlimited"
PRIVVMPAGES="unlimited:unlimited"
```

NUMFILE="unlimited:unlimited"
NUMFLOCK="unlimited:unlimited"
NUMPTY="unlimited:unlimited"
NUMSIGINFO="unlimited:unlimited"
DCACHESIZE="unlimited:unlimited"

PHYSPAGES="unlimited:unlimited"
NUMIPTENT="unlimited:unlimited"

Subject: Re: Weird Disk Spac Problem
Posted by lj2012 on Mon, 01 Sep 2008 15:12:17 GMT
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weird diskspace errors sometimes come up when copying to a ve straight from the main machine. SimFS is not aware, so you need to reset quota.

I don't know if that has anything to do with your problem, nevertheless... Think there is a wiki page too...

... yup:
http://wiki.openvz.org/Disk_quota%2C_df_and_stat_weird_behav
iour#Other_reasons_of_strange_numbers

(only bottom section)

Good luck,
L.

Subject: Re: Weird Disk Spac Problem
Posted by kenjy on Tue, 02 Sep 2008 15:46:10 GMT
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What web server are you ussing? when you get the error please do a lsof |grep deleted the last day I had a nginx issue whit logrotate and the HD filling my hard disk.

Subject: Re: Weird Disk Spac Problem
Posted by mperkel on Tue, 02 Sep 2008 15:54:40 GMT
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I'll look into that as it runs. Seeing a few of these:

httpd 9712 apache 710w REG 0,20 0 13369352 (deleted) /var/log/httpd/ssl_mutex
httpd 9713 apache 710w REG 0,20 0 13369352 (deleted) /var/log/httpd/ssl_mutex

Logrotate runs once a week. But HTTPD is restarted lately fairly often. But the server was locked up this morning with the same disk space complaint.

Here's what the logs were showing today.

[Tue Sep 02 05:08:02 2008] [crit] (28)No space left on device: mod_rewrite: could not create rewrite_log_lock
Configuration Failed

Subject: Re: Weird Disk Spac Problem
Posted by lj2012 on Tue, 02 Sep 2008 16:03:30 GMT
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you didn't leave selinux on, did you?

Subject: Re: Weird Disk Spac Problem
Posted by mperkel on Tue, 02 Sep 2008 16:14:57 GMT
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Nope - I get rid of that right away.

Subject: Re: Weird Disk Spac Problem
Posted by kenjy on Thu, 04 Sep 2008 14:51:13 GMT
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You need to correctly log rotate your ssl_mutex log file, well I think that this is the problem:

httpd 9712 apache 710w REG 0,20 0 13369352 (deleted) /var/log/httpd/ssl_mutex
httpd 9713 apache 710w REG 0,20 0 13369352 (deleted) /var/log/httpd/ssl_mutex

You have a deleted file who is growing in some way. I fix it adding this to log rotate but this is in nginx web server with this script, obviously it works rotating logs each night because we want a log each night (my logs are about 2gb so I need to make a slide at the middle of the day):

www:/opt/mantenimiento# cat nginx_logs.sh
#Obtenemos la hora actual, dependiendo de si son las 00 o las 12 se rotara el log
hora=$(date +%H)

```
ayer=$(date -d yesterday +%Y-%m-%d)
hoy=$(date  +%Y-%m-%d)
ruta=/var/log/nginx

if [ "$hora" = "00" ]; then
 mv $ruta/access.log $ruta/jornada_access_$ayer-12.log
        if [ -f /var/run/nginx.pid ]; then
  kill -USR1 `cat /var/run/nginx.pid`
 fi

 cat $ruta/jornada_access_$ayer-12.log >> /$ruta/jornada_access_$ayer-00.log
 mv $ruta/jornada_access_$ayer-00.log $ruta/jornada_access_$ayer.log
 rm $ruta/jornada_access_$ayer-12.log
 gzip -9 $ruta/jornada_access_$ayer.log


elif [ "$hora" = "12" ]; then
 mv $ruta/access.log $ruta/jornada_access_$hoy-00.log
 if [ -f /var/run/nginx.pid ]; then
         kill -USR1 `cat /var/run/nginx.pid`
        fi

else
 echo "No se procesa, fuera de hora."


fi


www:/opt/mantenimiento#
```