
Subject: rsync problem

Posted by [till](#) on Thu, 09 Nov 2006 15:11:26 GMT

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Hello,

I have a problem again.

I try to rsync my server to back it up(via snapshot).

The prog uses this cmd to do so:

```
/usr/bin/rsync -azHx --delete --numeric-ids --relative --delete-excluded --stats --rsh="/usr/bin/ssh -c blowfish" root@ip.here:/var/cache/rsnapshot/hourly.0/myserver/
```

Looks good. On the one vz it works good. The other one crashes. I cant login via ssh or so. via vzctl I can enter. But I have to restart the vz to get it back to work.

This is the user_beancounters for the box that works:

```
101: kmemsize      2565294  3224974  16384000  18022400    0
    lockedpages    0      4072    4096     4096     1175
    privvmpages    153755   261999   262144   292912    3945
    shmpages       692     1348    131072   131072     0
    dummy          0        0        0         0         0
    numproc        77       89       500       500         0
    physpages      8718     13130      0  2147483647    0
    vmguarpages    0         0     6144  2147483647    0
    oomguarpages   8718     13130     6144  2147483647    0
    numtcpsock     5         7       500       500         0
    numflock        3         8       200       210         0
    numpty          1         3        64        64         0
    numsiginfo      0         3       512       512         0
    tcpsndbuf      46956   219128   5365760  10485760     0
    tcprcvbuf      81920   81920   5365760  10485760     0
    othersockbuf   4472   132000   132096   336896    9956
    dgramrcvbuf    0       2236   1503232   4063232     0
    numothersock    5         15       500       500         0
    dcachesize      0         0  4194304   4317184     0
    numfile        1330    1557     8192     8192         0
    dummy          0         0         0         0         0
    dummy          0         0         0         0         0
    dummy          0         0         0         0         0
    numiptent      10        10      128      128         0
```

and this for the one that dos not:

```
105: kmemsize      1918950  3591777  16384000  18022400    0
    lockedpages    0         0     4096     4096         0
    privvmpages    42463   87224   262144   292912     0
    shmpages       142     908    131072   131072     0
```

dummy	0	0	0	0	0
numproc	30	55	500	500	0
physpages	9905	49164	0	2147483647	0
vmguarpages	0	0	6144	2147483647	0
oomguarpages	9905	49164	6144	2147483647	0
numtcpsock	8	25	500	500	0
numflock	4	8	200	210	0
numpty	0	2	64	64	0
numsignifo	0	28	512	512	0
tcpsndbuf	71552	230308	5365760	10485760	0
tcprcvbuf	131072	0	5365760	10485760	0
othersockbuf	29068	132036	132096	336896	4709
dgramrcvbuf	0	8380	1503232	4063232	0
numothersock	17	27	500	500	0
dcachesize	0	0	4194304	4317184	0
numfile	822	1516	8192	8192	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	10	10	128	128	0

I cant find something in the logfiles.

Runnig now a 2.6.9 Kernel from debian.

Subject: Re: rsync problem

Posted by [dev](#) on Thu, 09 Nov 2006 19:10:35 GMT

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```
> I try to rsync my server to back it up(via snapshot).
> The prog uses this cmd to do so:
> /usr/bin/rsync -azHx --delete --numeric-ids --relative
> --delete-excluded --stats --rsh="/usr/bin/ssh -c blowfish"
> root@ip.here:/ /var/cache/rsnapshot/hourly.0/myserver/
```

1. what do you mean by snapshot? LVM snapshot or what? rsync doesn't do any real(!) snapshots.
2. Do I understand correctly that you run this command from inside VE to backup its data *to* remote server?

> Looks good. On the one vz it works good.

> The other one crashes.

1. Can you shed some light on this? rsync requires 2 nodes. So I can't understand what "on the one vz it works, the other crashes" mean.

Do you mean that source node or destination (where backups are stored) crashes?

2. What do you mean by crashes?

Does your host system continues to work?

Can you ssh to the host?

Do you see some kernel messages on the screen?

3. is it reproducible? if yes, can you demonstrate it with exact commands/details and maybe provide us login to resolve it?

4. what are kernel versions on source and destination nodes (uname -a)? have you taken kernels from binary RPMs or rebuilt kernel yourself? what kernel configs have you used?

> I cant login via ssh or so. via vzctl I can enter.

> But I have to restart the vz to get it back to work.

Ok, this makes me believe that host system continues to work, right?

But VE networking somehow stops responding?

Does ping ve-ip-addr works?

Do you mean "restart vz" == "/etc/init.d/vz restart"? If yes, I guess 'vzctl restart VEID' helps as well?

P.S. I renamed the title of your post, since it was too emotional, with too incomplete information.

Subject: Re: rsync problem

Posted by [till](#) on Thu, 09 Nov 2006 23:14:03 GMT

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dev wrote on Thu, 09 November 2006 14:10> I try to rsync my server to back it up(via snapshot).

> The prog uses this cmd to do so:

> /usr/bin/rsync -azHx --delete --numeric-ids --relative

> --delete-excluded --stats --rsh="/usr/bin/ssh -c blowfish"

> root@ip.here:/ /var/cache/rsnapshot/hourly.0/myserver/

1. what do you mean by snapshot? LVM snapshot or what? rsync doesn't do any real(!) snapshots.

The program is namend rsnapshot (<http://www.rsnapshot.org/>). Its something that generates rsync cmds and moves the old files away. Nothing special.

Quote:

2. Do I understand correctly that you run this command from inside VE to backup its data *to* remote server?

oke, my fault. The setup:

fileserver (for the backup)

box with openvz-kernel

-->virtual box 1 (works with the rsnapshot/rsync)

-->virtual box 2 (does not work with rsnapshot/rsync)

the fileserve runs the rsync cmd.

Quote:

2. What do you mean by crashes?

Does your host system continues to work?
Can you ssh to the host?
Do you see some kernel messages on the screen?

After some MB of the rsync, rsync dies. So it does not copy eny more files.

I _can_ ping the virtual box.

I _cant_ ssh the virtual box.

I _cant_ ping from inside of the virtual box.

Quote:

3. is it reproducible? if yes, can you demonstrate it with exact commands/details and maybe provide us login to resolve it?

The good news: It is reproducible. And it is simple. I simply run this cmd from the fileserver: rsync -rv root@ip.of.virtual.box.2.:/ .

Give you access: May be possible. The problem is that this box runs a memberdatabase of two NGOs. Perhaps we will find a way to do this via screen, hm?

Quote:

4. what are kernel versions on source and destination nodes (uname -a)? have you taken kernels from binary RPMs or rebuilt kernel yourself? what kernel configs have you used?

uame -a:

Linux bi-o-mass 2.6.9-023stab032.1-ovz-i386 #1 Thu Oct 26 19:39:19 UTC 2006 i686 GNU/Linux
The kernel is from debian testing. I used the binary build of the guys.

Quote:

> I cant login via ssh or so. via vzctl I can enter.

> But I have to restart the vz to get it back to work.

Ok, this makes me believe that host system continues to work, right?

But VE networking somehow stops responding?

Does ping ve-ip-addr wo]rks?

Do you mean "restart vz" == "/etc/init.d/vz restart"? If yes, I guess 'vzctl restart VEID' helps as well?

I restart the machine via vzctl restart VZID. VZ seems running fine as well as the other virtual systems. Normaly it takes ~10 sec to restart this virtual server(2). But in case of doing an rsync before it takes ~60 sec.

I dont find any output in any logfiles. If I have time at the weekend I will drive to the serverroom and look at the screenoutput.

Quote:

P.S. I renamed the title of your post, since it was too emotional, with too incomplete information.

No probem. It was just a funny idea

Thanks for your time!

Subject: Re: rsync problem

Posted by [dev](#) on Fri, 10 Nov 2006 08:43:48 GMT

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does increasing othersockbuf parameter for the VE helps?

Subject: Re: rsync problem

Posted by [till](#) on Sat, 11 Nov 2006 12:57:21 GMT

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Hello,
thanks for your answer!

It does not help. It would be very stange if it would help. The one virtual machine works great with the same settings and does not stop after ~100 mb.

What could I do?

Subject: Re: rsync problem

Posted by [dev](#) on Mon, 13 Nov 2006 09:37:57 GMT

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`strace -f -tt -v -o out <your command>`
attach out file here.
