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Subject: VPS checkpointing problem

Posted by [dagr](#) on Mon, 18 Sep 2006 11:01:40 GMT

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i tried to play with checkpointing

[http://wiki.openvz.org/Checkpointing\\_and\\_live\\_migration](http://wiki.openvz.org/Checkpointing_and_live_migration)

first time i made dump and restore on same host and all was ok.

```
sudo vzctl start 2
sudo vzctl chkpnt 2 --suspend
sudo vzctl chkpnt 2 --dump --dumpfile /home/dagr/2.dump
sudo vzctl chkpnt 2 --kill
sudo vzctl restore 2 --undump --dumpfile /home/dagr/2.dump
sudo vzctl restore 2 --resume
```

VPS - was default centos - inside sendmail processes .

after that i entered VPS - run this commands

screen

top -d 1

// then detached ssh client - and after relogging i saw screen and top processes inside vps - it was ok .

then repeated all above with chkpointing and got at the end

```
[dagr@mydbtest ~]$ sudo vzctl restore 2 --undump --dumpfile /home/dagr/2.dump
```

Restoring VPS ...

Starting VPS ...

VPS is mounted

undump...

Adding IP address(es): 192.168.102.2

Setting CPU units: 1000

Error: undump failed: No such file or directory

Restoring failed:

rst\_file: -2 48448

rst\_files: -2

make\_baby: -2

rst\_clone\_children

VPS start failed

Stopping VPS ...

VPS was stopped

VPS is unmounted

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so the question is - why did it failed ?

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Subject: Re: VPS checkpointing problem

Posted by [Andrey Mirkin](#) on Mon, 18 Sep 2006 12:10:37 GMT

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Did you try to restore it two times?

You can restore VPS only one time as VPS file system changes after VPS is restored.

Can you please post here full list of commands before you got this error.

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Subject: Re: VPS checkpointing problem

Posted by [dagr](#) on Mon, 18 Sep 2006 12:59:42 GMT

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of course i didnt tried to restore it 2 times

here is list of commands

```
sudo vzctl start 2
sudo vzctl chkpnt 2 --suspend
sudo vzctl chkpnt 2 --dump --dumpfile /home/dagr/2.dump
sudo vzctl chkpnt 2 --kill
sudo vzctl restore 2 --undump --dumpfile /home/dagr/2.dump
sudo vzctl restore 2 --resume
sudo vzctl stop 2
```

```
sudo vzctl start 2
```

<<

here i entered vps and launched screen and top -d 1 inside it

then detached (just dropped connection)

after such trick you are able to enter vps again , run "screen -r" and you get to same console where top -d 1

<<

and after that: (i write successfull commands without output)

```
sudo vzctl chkpnt 2 --suspend
sudo vzctl chkpnt 2 --dump --dumpfile /home/dagr/2.dump
sudo vzctl chkpnt 2 --kill
[dagr@mydbtest ~]$ sudo vzctl restore 2 --undump --dumpfile /home/dagr/2.dump
Restoring VPS ...
Starting VPS ...
VPS is mounted
undump...
Adding IP address(es): 192.168.102.2
Setting CPU units: 1000
Error: undump failed: No such file or directory
Restoring failed:
rst_file: -2 48448
```

rst\_files: -2  
make\_baby: -2  
rst\_clone\_children  
VPS start failed  
Stopping VPS ...  
VPS was stopped  
VPS is unmounted  
/home/dagr/2.dump  
Restoring VPS ...  
Starting VPS ...  
VPS is mounted  
undump...  
Adding IP address(es): 192.168.102.2  
Setting CPU units: 1000  
Error: undump failed: No such file or directory  
Restoring failed:  
rst\_file: -2 48448  
rst\_files: -2  
make\_baby: -2  
rst\_clone\_children  
VPS start failed  
Stopping VPS ...  
VPS was stopped  
VPS is unmounted

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Subject: Re: VPS checkpointing problem  
Posted by [dagr](#) on Mon, 18 Sep 2006 13:01:10 GMT  
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also i noticed when i run simply "screen" or tail -f 1.txt >/dev/null 2>&1 & - dump/restore - goes ok

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Subject: Re: VPS checkpointing problem  
Posted by [Andrey Mirkin](#) on Mon, 18 Sep 2006 13:50:38 GMT  
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Can you please attach here gzipped dump file.  
Can yo give me an access to HW node to investigate this issue?

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Subject: Re: VPS checkpointing problem  
Posted by [Andrey Mirkin](#) on Mon, 18 Sep 2006 15:48:44 GMT  
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What kernel did you use in your experiments?

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If you compiled it yourself please post here .config.

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Subject: Re: VPS checkpointing problem  
Posted by [dagr](#) on Tue, 19 Sep 2006 11:23:33 GMT  
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Linux mydbtest.ipcb.msk 2.6.9-023stab016.2-smp #1 SMP Fri Aug 11 00:06:44 MSD 2006 i686 i686 i386 GNU/Linux

RHEL 4.3 ES

Strange - but now all seems ok. I cant repeat this bug

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Subject: Re: VPS checkpointing problem  
Posted by [Andrey Mirkin](#) on Tue, 19 Sep 2006 12:42:31 GMT  
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If you find out how to reproduce this bug, then please save dump file and post it here for further investigation.

Thanks!

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Subject: Re: VPS checkpointing problem  
Posted by [dagr](#) on Tue, 19 Sep 2006 13:12:04 GMT  
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will do

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Subject: Re: VPS checkpointing problem  
Posted by [sabetta](#) on Fri, 15 Feb 2008 18:02:07 GMT  
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After so much time, I'm having the exact same problem using kernel 2.6.18-028stab027. Did the OP find the cause of the problem? Does anybody have suggestions on how to solve it? I can provide a bunch of dumps that cause the problem, if you want to reproduce it. I'll be glad to provide you with all the info that is necessary to track down the problem.  
Thanks for your help.

AS

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Subject: Re: VPS checkpointing problem  
Posted by [xemul](#) on Wed, 20 Feb 2008 10:58:57 GMT  
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Sabetta, please, fill the bug and attach the dump files. We'll investigate this issue.

Thanks.

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