Subject: VPS checkpointing problem
Posted by dagr on Mon, 18 Sep 2006 11:01:40 GMT
View Forum Message <> Reply to Message

i tried to play with checkpointing
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 relogining i saw screen and top procceses 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

////////////////////////////////
so the question is - why did it failed ?

Subject: Re: VPS checkpointing problem
Posted by Andrey Mirkin on Mon, 18 Sep 2006 12:10:37 GMT
View Forum Message <> Reply to Message

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.

Subject: Re: VPS checkpointing problem
Posted by dagr on Mon, 18 Sep 2006 12:59:42 GMT
View Forum Message <> Reply to Message

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

Subject: Re: VPS checkpointing problem
Posted by dagr on Mon, 18 Sep 2006 13:01:10 GMT
View Forum Message <> Reply to Message

also i noticed when i run simply "screen" or tail -f 1.txt >/dev/null 2>&1 & - dump/restore - goes ok

---

Subject: Re: VPS checkpointing problem
Posted by Andrey Mirkin on Mon, 18 Sep 2006 13:50:38 GMT
View Forum Message <> Reply to Message

Can you please attach here gzipped dump file.
Can yo give me an access to HW node to investigate this issue?

Subject: Re: VPS checkpointing problem
Posted by Andrey Mirkin on Mon, 18 Sep 2006 15:48:44 GMT
View Forum Message <> Reply to Message

What kernel did you use in your experiments?

If you compiled it yourself please post here .config.

Subject: Re: VPS checkpointing problem
Posted by dagr on Tue, 19 Sep 2006 11:23:33 GMT
View Forum Message <> Reply to Message

Linux mydbtest.ipcb.msk 2.6.9-023stab016.2-smp #1 SMP Fri Aug 11 00:06:44 MSD 20
06 i686 i686 i386 GNU/Linux

RHEL 4.3 ES

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

Subject: Re: VPS checkpointing problem
Posted by Andrey Mirkin on Tue, 19 Sep 2006 12:42:31 GMT
View Forum Message <> Reply to Message

If you find out how to reproduce this bug, then please save dump file and post it here for further
investigation.

Thanks!

Subject: Re: VPS checkpointing problem
Posted by dagr on Tue, 19 Sep 2006 13:12:04 GMT
View Forum Message <> Reply to Message

will do

Subject: Re: VPS checkpointing problem
Posted by sabetta on Fri, 15 Feb 2008 18:02:07 GMT
View Forum Message <> Reply to Message

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

Subject: Re: VPS checkpointing problem
Posted by xemul on Wed, 20 Feb 2008 10:58:57 GMT

Sabetta, please, fill the bug and attach the dump files. We'll investigate this issue.

Thanks.