
Subject: checkpoint-restore fails on undump

Posted by [astnwt](#) on Mon, 18 Apr 2011 14:45:36 GMT

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Hey there

We are using openVZ on different HNs which all mount /var/lib/vz from a shared storage to avoid long migration times and allow us to do fast HN-to-HN transitions. All CTs have veth devices that are bridged to VLANs on the HN.

However, we are not able to resume a machine that's been suspended and dumped, since the undump command will not succeed.

Kernel: 2.6.32-5-openvz-amd64 #1 SMP Mon Mar 7 22:25:57 UTC 2011 x86_64 GNU/Linux

HN: Debian 6.0.1 (latest patches)

CT: Debian 6.0.1 (latest patches).

What we actually do:

Example: Moving a CT from HN-A to HN-B

HN-A# vzctl chkpnt 2000 --suspend

Setting up checkpoint...

suspend...

get context...

Checkpointing completed succesfully

HN-A# vzctl chkpnt 2000 --dump --dumpfile /vz/dump/2000.dump

Setting up checkpoint...

join context..

dump...

Checkpointing completed succesfully

HN-A# vzctl chkpnt 2000 --kill

Killing...

HN-B# vzctl restore 2000 --undump --dumpfile /vz/dump/2000.dump

Restoring container ...

Starting container ...

VPS_MOUNT_SCRIPT: will bridge veth2000.0 to br100 as soon as CT is in running state..

Container is mounted

undump...

Setting CPU units: 1000

Configure veth devices: veth2000.0

Error: undump failed: No such file or directory

Restoring failed:

Error: can't open file /var/run/apache2/.nfs0000000000054309600000037

Error: rst_file: -2 58400
Error: rst_files: -2
Error: make_baby: -2
Error: rst_clone_children
Container start failed
Stopping container ...
Container was stopped
Container is unmounted

/usr/lib/vz (aka. /vz) is mounted from the same storage share, so the dump file written to /vz/dump is available on all three HNs after performing the dump command.

Could the veth device be the problem as it will be created at CT startup?
We would really appreciate any help on this.

All the best,

creo
