Subject: Online migration "Error: undump failed: Invalid argument"
Posted by whity on Thu, 19 Jul 2007 07:45:39 GMT
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I did some tests with OpenVZ this week. Now im testing the online migration and run into a problem i could not solve yet.

Both systems have the same OS:
- System: CentOS 5 (x86_64)
- Kernel: 2.6.18-8.1.4.el5.028stab035.1 (from yum repo)

- Source: 172.30.101.24 (00:1B:24:1D:EA:F4)
- Target: 172.30.101.96 (00:16:36:D2:F0:FE)

Output of vzmigration:

```
[root@ovz02 ~]# vzmigrate -r yes --online -v 172.30.101.96 1001
OPT:-r
OPT:--online
OPT:-v
OPT:172.30.101.96
Starting online migration of VE 1001 on 172.30.101.96
OpenVZ is running...
   Loading /etc/vz/vz.conf and /etc/vz/conf/1001.conf files
   Check IPs on destination node: 172.30.101.26
Preparing remote node
   Copying config file
1001.conf                                                    100% 1809
   1.8KB/s   00:00
Saved parameters for VE 1001
   Creating remote VE root dir
   Creating remote VE private dir
Initializing remote quota
   Quota init
   Turning remote quota on
Syncing private
Live migrating VE
   Suspending VE
Setting up checkpoint...
       suspend...
       get context...
Checkpointing completed succesfully
   Dumping VE
Setting up checkpoint...
       join context..
       dump...
Checkpointing completed succesfully
   Copying dumpfile
dump.1001                                                    100%
```

127MB 11.5MB/s   00:11
   Syncing private (2nd pass)
Syncing 2nd level quota
   Dumping 2nd level quota
   Copying 2nd level quota
quotadump.1001

vzctl.log (Source):
2007-07-19T09:34:34+0200 vzctl : VE 1001 : Setting up checkpoint...
2007-07-19T09:34:34+0200 vzctl : VE 1001 : suspend...
2007-07-19T09:34:34+0200 vzctl : VE 1001 : get context...
2007-07-19T09:34:34+0200 vzctl : VE 1001 : Checkpointing completed succesfully
2007-07-19T09:34:34+0200 vzctl : VE 1001 : Setting up checkpoint...
2007-07-19T09:34:34+0200 vzctl : VE 1001 : join context..
2007-07-19T09:34:34+0200 vzctl : VE 1001 : dump...
2007-07-19T09:34:35+0200 vzctl : VE 1001 : Running: /usr/lib64/vzctl/scripts/vps-net_del
2007-07-19T09:34:35+0200 vzctl : VE 1001 : Checkpointing completed succesfully
2007-07-19T09:34:47+0200 vzctl : VE 1001 : Resuming...
2007-07-19T09:34:47+0200 vzctl : VE 1001 : Running: /usr/lib64/vzctl/scripts/vps-net_add
2007-07-19T09:34:48+0200 vzctl : VE 1001 : put context

vzctl.log (Target):
2007-07-19T09:33:59+0200 vzctl : VE 1001 : Saved parameters for VE 1001
2007-07-19T09:34:00+0200 vzctl : VE 1001 : Running: /usr/sbin/vzquota init 1001 -b 10485760 -B 12582912 -i 200000 -I 220000 -p /vz/private/1001 -e 0 -n 0 -s 0
2007-07-19T09:34:00+0200 vzctl : VE 1001 : Running: /usr/sbin/vzquota show 1001
2007-07-19T09:34:00+0200 vzctl : VE 1001 : Running: /usr/sbin/vzquota on 1001 -r 0 -b 10485760 -B 12582912 -i 200000 -I 220000 -e 0 -n 0 -s 0
2007-07-19T09:37:12+0200 vzctl : VE 1001 : Restoring VE ...
2007-07-19T09:37:12+0200 vzctl : VE 1001 : Starting VE ...
2007-07-19T09:37:12+0200 vzctl : VE 1001 : Running: /usr/sbin/vzquota show 1001
2007-07-19T09:37:12+0200 vzctl : VE 1001 : Running: /usr/sbin/vzquota on 1001 -r 0 -b 10485860 -B 12583012 -i 200100 -I 220100 -e 0 -n 0 -s 0
2007-07-19T09:37:12+0200 vzctl : VE 1001 : Running: vzquota setlimit 1001 -p /vz/private/1001 -b 10485860 -B 12583012 -i 200100 -I 220100 -e 0 -n 0
2007-07-19T09:37:12+0200 vzctl : VE 1001 : Mounting root: /vz/root/1001 /vz/private/1001
2007-07-19T09:37:12+0200 vzctl : VE 1001 : VE is mounted
2007-07-19T09:37:13+0200 vzctl : VE 1001 : Adding IP address(es): 172.30.101.26
2007-07-19T09:37:13+0200 vzctl : VE 1001 : Running: /usr/lib64/vzctl/scripts/vps-net_add
2007-07-19T09:37:13+0200 vzctl : VE 1001 : Setting CPU units: 36185
2007-07-19T09:37:13+0200 vzctl : VE 1001 : Configure meminfo: 262144
2007-07-19T09:37:13+0200 vzctl : VE 1001 : Running: /usr/sbin/vzquota stat 1001 -f
2007-07-19T09:37:13+0200 vzctl : VE 1001 : Running: vzquota setlimit 1001 -b 10485760 -B 12582912 -i 200000 -I 220000 -e 0 -n 0
2007-07-19T09:37:13+0200 vzctl : VE 1001 : VE start failed
2007-07-19T09:37:13+0200 vzctl : VE 1001 : Stopping VE ...
2007-07-19T09:37:13+0200 vzctl : VE 1001 : VE was stopped
2007-07-19T09:37:13+0200 vzctl : VE 1001 : Running: /usr/sbin/vzquota stat 1001 -f
2007-07-19T09:37:13+0200 vzctl : VE 1001 : Running: vzquota setlimit 1001 -b 10485760 -B 12582912 -i 200000 -I 220000 -e 0 -n 0
2007-07-19T09:37:13+0200 vzctl : VE 1001 : Running: /usr/sbin/vzquota stat 1001 -f
2007-07-19T09:37:13+0200 vzctl : VE 1001 : Running: /usr/sbin/vzquota off 1001
2007-07-19T09:37:14+0200 vzctl : VE 1001 : VE is unmounted

Any ideas??

Thank you very much
Urs

Subject: Re: Online migration "Error: undump failed: Invalid argument"
Posted by Vasily Tarasov on Thu, 19 Jul 2007 08:11:55 GMT
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Hello,

As far as I understand you have atached the kernel log from source node. Can you post here the kernel logs at destination also?

Thank you,
Vasily.

Subject: Re: Online migration "Error: undump failed: Invalid argument"
Posted by whity on Thu, 19 Jul 2007 08:42:57 GMT
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Hi Vasily

Yes, was the kernel log of the source. Forgot the one from the target:

Jul 19 10:34:35 ovz01 kernel: VE: 1001: started
Jul 19 10:34:36 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: JFixup 139010 168949078000
Jul 19 10:34:37 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: 12734,1(init)open RDONLY fifo ino 392664 ffff810109b11bc0 1180
Jul 19 10:34:43 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:48 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:48 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by dentry_open
Jul 19 10:34:48 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:48 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:48 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by dentry_open
Jul 19 10:34:48 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:48 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:48 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by dentry_open
Jul 19 10:34:48 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:48 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by dentry_open
Jul 19 10:34:48 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by

dentry_open
Jul 19 10:34:48 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:49 ovz01 last message repeated 4 times
Jul 19 10:34:49 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by
dentry_open
Jul 19 10:34:49 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by
dentry_open
Jul 19 10:34:49 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:49 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by
dentry_open
Jul 19 10:34:49 ovz01 last message repeated 2 times
Jul 19 10:34:49 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:49 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by
dentry_open
Jul 19 10:34:49 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by
dentry_open
Jul 19 10:34:49 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:49 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by
dentry_open
Jul 19 10:34:49 ovz01 last message repeated 2 times
Jul 19 10:34:49 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:49 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by
dentry_open
Jul 19 10:34:50 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by
dentry_open
Jul 19 10:34:50 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:50 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by
dentry_open
Jul 19 10:34:50 ovz01 last message repeated 2 times
Jul 19 10:34:50 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:50 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by
dentry_open
Jul 19 10:34:50 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by
dentry_open
Jul 19 10:34:50 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:50 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by
dentry_open
Jul 19 10:34:50 ovz01 last message repeated 2 times
Jul 19 10:34:50 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:50 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: bsd lock restored
Jul 19 10:34:50 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: 12778,9832(qmail-send)open
RDONLY fifo ino 396584 ffff8100be07c5c0 1192
Jul 19 10:34:50 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by
dentry_open
Jul 19 10:34:50 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by
dentry_open
Jul 19 10:34:50 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:50 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by

dentry_open
Jul 19 10:34:51 ovz01 last message repeated 6 times
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by dentry_open
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:51 ovz01 last message repeated 6 times
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by dentry_open
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by dentry_open
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: deleted file created as /tmp/ibK1GLR3, ffff8100bd816380, 8180
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: deleted file created as /tmp/ibtmNmrP, ffff8100bd816280, 8180
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: deleted file created as /tmp/ibjM9X0A, ffff8100bd816180, 8180
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: deleted file created as /tmp/ibgci0Am, ffff8100bd816080, 8180
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: deleted file created as /tmp/ibhHdhm8, ffff8100bd433cc0, 8180
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: restoring file data block: 00000000-00001000
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: restoring file data block: 00000000-00055000
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: restoring file data block: 00000000-00001000
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: restoring file data block: 00000000-00002000
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: restoring file data block: 00011000-00012000
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by dentry_open
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by dentry_open
Jul 19 10:34:51 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:51 ovz01 last message repeated 3 times
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: rst_file: file obtained by dentry_open
Jul 19 10:34:52 ovz01 last message repeated 2 times
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: file is attached to a socket
Jul 19 10:34:52 ovz01 last message repeated 35 times
Jul 19 10:34:52 ovz01 kernel: CPT ERR: ffff8101194b1800,1001 :do_rst_mm 22770776
Jul 19 10:34:52 ovz01 kernel: CPT ERR: ffff8101194b1800,1001 :rst_mm: -22
Jul 19 10:34:52 ovz01 kernel: CPT ERR: ffff8101194b1800,1001 :make_baby: -22
Jul 19 10:34:52 ovz01 kernel: CPT ERR: ffff8101194b1800,1001 :rst_clone_children

Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12734/1 ffff81007f44b180
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12755/8150 ffff81011e101780
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12757/9563 ffff81011e774c40
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12756/9560 ffff81011f5a6800
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12760/9766 ffff81011f13eb00
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12758/9661 ffff81011e3a6c40
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12759/9739 ffff81011e3a6c40
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12792/9964 ffff8100beeebb80
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12790/9898 ffff8100be7340c0
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12789/9897 ffff8100be7340c0
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12788/9896 ffff8100be7340c0
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12787/9895 ffff8100be7340c0
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12786/9894 ffff8100be7340c0
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12784/9837 ffff8100be734440
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12783/9836 ffff8100be7347c0
Jul 19 10:34:52 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12782/9835 ffff8100be734b40
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12805/10037 ffff8100beeeb100
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12781/9834 ffff81010ef4d780
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12806/10041 ffff8100bd399bc0
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12785/9893 ffff8100be7340c0
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12778/9832 ffff81011df46c40
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12776/9822 ffff81011e78b780
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12812/10047 ffff8100bcf8d500
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12761/9777 ffff81011f688b40

Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12814/10058 ffff8100bcacfc40
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12762/9793 ffff8101156d3780
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12764/9795 ffff81011d9fe140
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12766/9803 ffff8101156d3b00
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12768/9805 ffff81011f3ad100
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12813/10048 ffff8100bcf8d180
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12770/9813 ffff81011d959100
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12772/9811 ffff81011f3ad480
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12811/10046 ffff8100bcf8d880
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12774/9820 ffff81011e78b400
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12795/10000 ffff8100beeeb800
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12798/10003 ffff8100beeeb800
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12791/9899 ffff8100be7340c0
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12810/10045 ffff8100bcf8dc00
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12803/10009 ffff8100beeeb800
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12804/10030 ffff8100beeeb480
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12796/10001 ffff8100beeeb800
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12809/10044 ffff8100bd399140
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12797/10002 ffff8100beeeb800
Jul 19 10:34:53 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12802/10008 ffff8100beeeb800
Jul 19 10:34:54 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12801/10007 ffff8100beeeb800
Jul 19 10:34:54 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12800/10006 ffff8100beeeb800
Jul 19 10:34:54 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12799/10004 ffff8100beeeb800
Jul 19 10:34:54 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12807/10042 ffff8100bd399840

Jul 19 10:34:54 ovz01 kernel: CPT DBG: ffff8101194b1800,1001: leaked through 12808/10043 ffff8100bd3994c0
Jul 19 10:34:54 ovz01 kernel: VE: 1001: stopped

Hope it tells you more than it tells me....

Urs

Subject: Re: Online migration "Error: undump failed: Invalid argument"
Posted by Vasily Tarasov on Thu, 19 Jul 2007 09:59:39 GMT
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Hmmm... It seems to be some checkpointing problem. Can you, please, create an archive of your VE (/vz/private/<veid>/) and put this archive somethere, where I'll be able to download it?

Then I'll try to reproduce your problem locally and give it to the creators of checkpointing.

Thank you.
