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Subject: online container migration fails with Remote exception I/O operation on closed file

Posted by [msolovyev](#) on Wed, 23 May 2018 14:33:46 GMT

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Hello,

I'm trying to do live migration of container, and getting such an error (this happens even with empty test container):

```
[root@vz03 ~]# vzmigrate -vvv --online --require-realtime vz04 222
```

```
...
2018-05-23 10:30:10.732: Live migration stage started
2018-05-23 10:30:36.320: lo multiplexer aborted
2018-05-23 10:30:36.320: 2018-05-23 10:30:36.321: Phaul service failed to live migrate CT
2018-05-23 10:30:36.320: 2018-05-23 10:30:36.321: error [-73] : Phaul service failed to live migrate CT
2018-05-23 10:30:36.321: Phaul service failed to live migrate CT
2018-05-23 10:30:36.321: Phaul failed to live migrate CT (/var/log/phaul.log)
2018-05-23 10:30:36.322: 2018-05-23 10:30:36.322: cleaning : destroy CT 222
2018-05-23 10:30:36.372: 2018-05-23 10:30:36.372: cleaning : 'rm' dir : /vz/private/222
2018-05-23 10:30:36.372: 2018-05-23 10:30:36.372: can not rename : [/vz/private/222] -> [/vz/private/222.ss6sKg]
2018-05-23 10:30:36.372: 2018-05-23 10:30:36.373: cleaning : 'rmdir' dir : /vz/root/222
2018-05-23 10:30:36.372: 2018-05-23 10:30:36.373: can not find entry for delete : [/vz/root/222]
2018-05-23 10:30:37.373: 2018-05-23 10:30:37.373: unlocking 222
2018-05-23 10:30:37.375: Can't move/copy CT 222 -> CT 222, [], [] : Phaul failed to live migrate CT (/var/log/phaul.log)
2018-05-23 10:30:37.375: unlocking 222
2018-05-23 10:30:37.375: close channel
```

```
[root@vz03 ~]# tail -20 /var/log/phaul.log
```

```
10:30:33.214: 285170: Notify (post-network-lock)
```

```
10:30:35.283: 285170: Final FS and images sync
```

```
10:30:35.522: 285170: Sending images to target
```

```
10:30:35.524: 285170: Pack
```

```
10:30:35.561: 285170: Add htype images
```

```
10:30:35.812: 285170: Asking target host to restore
```

```
10:30:36.271: 285170: Remote exception
```

```
10:30:36.271: 285170: I/O operation on closed file
```

```
Traceback (most recent call last):
```

```
File "/usr/libexec/phaul/p.haul", line 9, in <module>
```

```
load_entry_point('phaul==0.1', 'console_scripts', 'p.haul')()
```

```
File "/usr/lib/python2.7/site-packages/phaul/shell/phaul_client.py", line 49, in main
worker.start_migration()
```

```
File "/usr/lib/python2.7/site-packages/phaul/iters.py", line 161, in start_migration
```

```
self.__start_live_migration()
File "/usr/lib/python2.7/site-packages/phaul/iters.py", line 232, in __start_live_migration
self.target_host.restore_from_images()
File "/usr/lib/python2.7/site-packages/phaul/xem_rpc_client.py", line 26, in __call__
raise Exception(resp[1])
Exception: I/O operation on closed file
```

Logs from destination server:

```
[root@vz04 ~]# tail -20 /var/log/phaul-service.log
10:30:35.562: 817892: Waiting for images to unpack
10:30:35.813: 817892: Restoring from images
10:30:35.827: 817892: Starting vzctl restore
10:30:36.269: 817892: > Restoring the Container ...
10:30:36.269: 817892: > Mount image: /vz/private/222/root.hdd
10:30:36.269: 817892: > Container is mounted
10:30:36.269: 817892: > Setting permissions for image=/vz/private/222/root.hdd
10:30:36.269: 817892: > (00.000283) Error (criu/util.c:694): Can't read link of fd -404: No such
file or directory
10:30:36.270: 817892: > (00.000295) Error (criu/protobuf.c:77): Unexpected EOF on (null)
10:30:36.270: 817892: > The restore log was saved in
/vz/dump/222/rst-_cQGWZ-18.05.23-10.30/criu_restore.9.log
10:30:36.270: 817892: > criu exited with rc=17
10:30:36.270: 817892: > Unmount image: /vz/private/222/root.hdd
10:30:36.270: 817892: > Container is unmounted
10:30:36.270: 817892: > Failed to restore the Container
10:30:36.321: 817892: Disconnected
10:30:36.322: 817892: Closing images
10:30:36.322: 817892: Removing images
10:30:36.373: 817892: Stop by 15
10:30:36.373: 817892: RPC Service stops
10:30:36.374: 817892: Bye!
```

```
[root@vz04 ~]# tail -20 /vz/dump/222/rst-_cQGWZ-18.05.23-10.30/criu_restore.9.log
(00.000142) Version: 3.8 (gitid 0)
(00.000188) Running on vz04.boardreader.com Linux 3.10.0-693.21.1.vz7.47.4 #1 SMP Sat Apr
28 11:48:07 MSK 2018 x86_64
(00.000237) No inventory.img image
(00.000283) Error (criu/util.c:694): Can't read link of fd -404: No such file or directory
(00.000295) Error (criu/protobuf.c:77): Unexpected EOF on (null)
```

Both servers run the following openvz version:

```
[root@vz03 ~]# uname -a
```

Linux vz03.boardreader.com 3.10.0-693.21.1.vz7.47.4 #1 SMP Sat Apr 28 11:48:07 MSK 2018  
x86\_64 x86\_64 x86\_64 GNU/Linux

```
[root@vz03 ~]# cat /etc/*release*  
OpenVZ release 7.0.8 (142)  
NAME="Virtuozzo"  
VERSION="7.0.8"  
ID="virtuozzo"  
ID_LIKE="rhel fedora"  
VERSION_ID="7"  
PRETTY_NAME="OpenVZ release 7.0.8"  
ANSI_COLOR="0;31"  
CPE_NAME="cpe:/o:virtuozzoproject:vz:7"  
HOME_URL="http://www.virtuozzo.com"  
BUG_REPORT_URL="https://bugs.openvz.org/"  
OpenVZ release 7.0.8 (142)  
Virtuozzo Linux release 7.4  
OpenVZ release 7.0.8 (142)  
cpe:/o:virtuozzoproject:vzlinux:7:ga  
OpenVZ release 7.0.8 (142)  
Virtuozzo Linux release 7.5.0 (549)
```

If I remove --online --require-realtime options, it works.

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