Subject: OpenVZ7 - VE Migration fails
Posted by A(r|d)min on Fri, 24 Feb 2017 10:33:38 GMT
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Hi,

i have a fresh installation of Virtuozzo Linux 7.2 with OpenVZ7 on two physical server. I created a VE and try to migrate this one to the other host. But this is failing. Would be great if someone can give me a hint about this. These are the details:

cat /etc/redhat-release
Virtuozzo Linux release 7.2

uname -a
Linux srv01 3.10.0-327.36.1.vz7.18.7 #1 SMP Tue Oct 11 15:39:22 MSK 2016 x86_64 x86_64 x86_64 GNU/Linux

rpm -qa | grep -i vz7
qemu-kvm-vz-2.3.0-31.2.21.vz7.69.x86_64
libvzevent-7.0.7-1.vz7.x86_64
ploop-lib-7.0.74-1.vz7.x86_64
libprlcommon-7.0.78-1.vz7.x86_64
libvirt-daemon-driver-nwfilter-1.3.3.2-1.vz7.11.x86_64
libvirt-daemon-driver-vz-1.3.3.2-1.vz7.11.x86_64
libvirt-daemon-driver-lxc-1.3.3.2-1.vz7.11.x86_64
libvzctl-7.0.293-1.vz7.x86_64
vztt-7.0.43-1.vz7.x86_64
python-subprocess32-3.2.6-5.vz7.x86_64
libvirt-daemon-driver-qemu-1.3.3.2-1.vz7.11.x86_64
vzkernel-3.10.0-327.36.1.vz7.18.7.x86_64
seavgabios-bin-1.7.5-11.vz7.3.noarch
coripper-1.0.3-2.vz7.x86_64
vzpkgenv410x64-7.0.9-11.vz7.x86_64
libvcmmd-7.0.12-1.vz7.x86_64
openvz-logos-70.0.11-1.vz7.noarch
seabios-bin-1.7.5-11.vz7.3.noarch
libvirt-daemon-kvm-1.3.3.2-1.vz7.11.x86_64
libguestfs-1.32.3-1.vz7.11.x86_64
prlctl-7.0.95-1.vz7.x86_64
centos-7-x86_64-ez-7.0.0-16.vz7.noarch
libreport-plugin-vz-bugs-1.0.1-1.vz7.noarch
qt-4.8.5-12.vz7.2.x86_64
libprlxmlmodel-7.0.50-1.vz7.x86_64
libprlsdk-python-7.0.142-3.vz7.x86_64
libvirt-daemon-1.3.3.2-1.vz7.11.x86_64
libvirt-daemon-driver-nodedev-1.3.3.2-1.vz7.11.x86_64
libvirt-daemon-config-nwfilter-1.3.3.2-1.vz7.11.x86_64
libvirt-python-1.3.5-1.vz7.1.x86_64

libvirt-daemon-driver-network-1.3.3.2-1.vz7.11.x86_64
criu-2.5.0.16-1.vz7.x86_64
vztt-lib-7.0.43-1.vz7.x86_64
vzctl-7.0.120-1.vz7.x86_64
qemu-img-vz-2.3.0-31.2.21.vz7.69.x86_64
libvirt-daemon-driver-storage-1.3.3.2-1.vz7.11.x86_64
libvirt-daemon-driver-interface-1.3.3.2-1.vz7.11.x86_64
ipxe-roms-qemu-20130517-7.gitc4bce43.vz7.3.noarch
prl-disp-service-7.0.533.1-1.vz7.x86_64
spfs-0.08.018-1.vz7.x86_64
ploop-7.0.74-1.vz7.x86_64
libprlsdk-7.0.142-3.vz7.x86_64
libvirt-client-1.3.3.2-1.vz7.11.x86_64
libvirt-daemon-driver-secret-1.3.3.2-1.vz7.11.x86_64
vcmmd-7.0.91-1.vz7.x86_64
qemu-kvm-common-vz-2.3.0-31.2.21.vz7.69.x86_64
libvirt-1.3.3.2-1.vz7.11.x86_64

```
# prlctl list -a
UUID                                    STATUS       IP_ADDR         T  NAME
{fea3c1cf-40d4-4b10-89c4-f5c3ac9bfa61}  running      172.1.1.10      CT VE01
```

```
# prlctl migrate VE01 srv02 -v 10
Logging in
server uuid={41ca7251-106c-44ec-9aa4-4b28dc490d58}
sessionid={210ea24c-280e-44b2-bb49-3357d4974269}
The virtual machine found: VE01
Migrate the CT VE01 on srv02  ()
security_level=0
PrlCleanup::register_hook: 8179c0
EVENT type=100030
Migration started.
EVENT type=100031
Migration cancelled!
```

Failed to migrate the CT: Failed to migrate the Container. An internal error occurred when performing the operation. Try to migrate the Container again. If the problem persists, contact the Parallels support team for assistance.

```
resultCount: 0
PrlCleanup::unregister_hook: 8179c0
Logging off
```

This ist the output of prl-disp.log of srv01 (migration source):

```
02-24 11:27:25.806 W /disp:1751:20480/ handleClientConnected
02-24 11:27:25.807 F /disp:1751:20480/ Processing command 'DspCmdUserLoginLocal' 2040
(PJOC_SRV_LOGIN_LOCAL)
02-24 11:27:25.811 F /disp:1751:20480/ Processing command 'DspCmdUserLoginLocalStage2'
```

2041 (PJOC_SRV_LOGIN_LOCAL)
02-24 11:27:25.812 F /disp:1751:20480/ Parallels user [root@.] successfully logged on(LOCAL). [sessionId = {0e00a342-236b-476c-aa8d-a128f6a49350}]
02-24 11:27:25.812 F /disp:1751:20480/ Session with uuid[{0e00a342-236b-476c-aa8d-a128f6a49350}] was started.
02-24 11:27:25.817 F /disp:1751:20480/ Processing command 'DspCmdSetNonInteractiveSession' 2125 (PJOC_SRV_SET_NON_INTERACTIVE_SESSION)
02-24 11:27:25.818 F /disp:1751:20480/ Session was non-interactive, session now is non-interactive
02-24 11:27:25.825 F /disp:1751:20480/ Processing command 'DspCmdGetVmConfigById' 2173 (PJOC_SRV_GET_VM_CONFIG)
02-24 11:27:26.131 F /disp:1751:20480/ Processing command 'DspCmdGetHostCommonInfo' 2048 (PJOC_SRV_GET_COMMON_PREFS)
02-24 11:27:26.147 F /disp:1751:20480/ Processing command 'DspCmdUserGetProfile' 2045 (PJOC_SRV_GET_USER_PROFILE)
02-24 11:27:26.153 F /disp:1751:20480/ Processing command 'DspCmdDirVmMigrate' 2028 (PJOC_VM_MIGRATE)
02-24 11:27:26.154 F /disp:1751:20480/ Processing command 'DspCmdDirVmMigrate' 2028 for CT uuid='{fea3c1cf-40d4-4b10-89c4-f5c3ac9bfa61}'
02-24 11:27:26.155 F /disp:1751:20486/ Task '20Task_MigrateCtSource' with uuid = {f90a25d5-ffba-4c54-95aa-04395ee170e8} was started. Flags = 0
02-24 11:27:26.163 F /disp:1751:20486/ connect to the target dispatcher: host 'srv02' port 64000
02-24 11:27:26.316 I /disp:20489:20489/ Run migration command: '/usr/sbin/vzmsrc -ps 64 66 68 70 --online --nonsharedfs srv02 140093'
02-24 11:27:26.337 F /disp:1751:20486/ Sending SIGTERM to 20489...
02-24 11:27:26.337 F /disp:1751:20486/ Sending SIGKILL to 20489...
02-24 11:27:26.339 F /disp:1751:20486/ Task '20Task_MigrateCtSource' with uuid = {f90a25d5-ffba-4c54-95aa-04395ee170e8} was finished with result PRL_ERR_CT_MIGRATE_INTERNAL_ERROR (0x80031035))
02-24 11:27:26.340 I /IOCommunication:1751:20487/ IO client ctx [read thr] (sender 2): Stop in progress for read thread
02-24 11:27:26.345 F /disp:1751:20480/ Processing command 'DspCmdUserLogoff' 2042 (PJOC_SRV_LOGOFF)
02-24 11:27:26.345 F /disp:1751:20480/ Parallels user [root@.] successfully logged off. [sessionId = {0e00a342-236b-476c-aa8d-a128f6a49350}]
02-24 11:27:26.346 I /IOCommunication:1751:20480/ IO server ctx [read thr] (handle 46, sender 2): Stop in progress for read thread
02-24 11:27:26.346 W /disp:1751:20480/ handleClientDisconnected

This is the output of prl-disp.log of srv02 (migration destination):
02-24 11:27:25.626 W /disp:1910:19181/ handleClientConnected
02-24 11:27:25.627 F /disp:1910:19181/ Processing command 'DspCmdUserLoginLocal' 2040 (PJOC_SRV_LOGIN_LOCAL)
02-24 11:27:25.631 F /disp:1910:19181/ Processing command 'DspCmdUserLoginLocalStage2' 2041 (PJOC_SRV_LOGIN_LOCAL)
02-24 11:27:25.632 F /disp:1910:19181/ Parallels user [root@.] successfully logged on(LOCAL). [sessionId = {19f8afe6-efe5-495e-a41c-b2734608bd86}]
02-24 11:27:25.633 F /disp:1910:19181/ Session with uuid[

{19f8afe6-efe5-495e-a41c-b2734608bd86}] was started.
02-24 11:27:25.646 F /disp:1910:19181/ Processing command 'DspCmdGetHostCommonInfo' 2048 (PJOC_SRV_GET_COMMON_PREFS)
02-24 11:27:25.748 F /disp:1910:19186/ Processing command 6001
02-24 11:27:25.749 F /disp:1910:19186/ Dispatcher session was successfully authorized with '{19f8afe6-efe5-495e-a41c-b2734608bd86}' session UUID
02-24 11:27:25.769 F /disp:1910:19186/ Processing command 6501
02-24 11:27:25.782 F /disp:1910:19188/ Task '20Task_MigrateCtTarget' with uuid = {fa161df0-96f7-4710-9451-8258f6f4021b} was started. Flags = 0
02-24 11:27:25.804 F /disp:1910:19186/ Processing command 6502
02-24 11:27:25.824 I /disp:19189:19189/ Run migration command: '/usr/sbin/vzmdest -ps 62 64 66 68 --online --nonsharedfs localhost 140093'
02-24 11:27:25.843 F /disp:1910:19188/ waitpid() : No child processes
02-24 11:27:25.844 F /disp:1910:19188/ Task '20Task_MigrateCtTarget' with uuid = {fa161df0-96f7-4710-9451-8258f6f4021b} was finished with result PRL_ERR_CT_MIGRATE_INTERNAL_ERROR (0x80031035))
02-24 11:27:25.872 F /disp:1910:19186/ Processing command 6002
02-24 11:27:25.873 I /IOCommunication:1910:19186/ IO server ctx [read thr] (handle 50, sender 2): Socket graceful shutdown detected. No worries, everything goes fine.
02-24 11:27:25.877 F /disp:1910:19181/ Processing command 'DspCmdUserLogoff' 2042 (PJOC_SRV_LOGOFF)
02-24 11:27:25.877 F /disp:1910:19181/ Parallels user [root@.] successfully logged off. [sessionId = {19f8afe6-efe5-495e-a41c-b2734608bd86}]
02-24 11:27:25.878 I /IOCommunication:1910:19181/ IO server ctx [read thr] (handle 44, sender 2): Stop in progress for read thread
02-24 11:27:25.878 W /disp:1910:19181/ handleClientDisconnected

Does someone knows what "EVENT type=100031" means? Is it possible to get more debug information? Has someone a hint to fix this?

Subject: Re: OpenVZ7 - VE Migration fails
Posted by A(r|d)min on Fri, 24 Feb 2017 16:39:50 GMT
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I found out by reading some Jira posts, people still use "vzmigrate" to migrate VE from vz7 to vz7 host even "prlctl migrate" should be able to do this. So I installed vzmigrate. At first I got this error:
vzmigrate -r yes srv01 2f64cf14-2534-4d29-bc71-6046ecfce652
Connection to destination node (srv01) is successfully established
Moving/copying CT 2f64cf14-2534-4d29-bc71-6046ecfce652 -> CT 2f64cf14-2534-4d29-bc71-6046ecfce652, [], [] ...
locking 2f64cf14-2534-4d29-bc71-6046ecfce652
Checking bindmounts
Check cluster ID
Checking keep dir for private area copy
Checking technologies
Check target CT name: VE02
rsync : rsync: --fdin: unknown option

rsync : rsync error: syntax or usage error (code 1) at main.c(1435) [client=3.0.9]
rsync exited with code 1
Can't move/copy CT 2f64cf14-2534-4d29-bc71-6046ecfce652 -> CT
2f64cf14-2534-4d29-bc71-6046ecfce652, [], [] : rsync exited with code 1
But after reading https://bugs.openvz.org/browse/OVZ-6308 I upgraded my systems to VZ Linux 7.3 and all the related latest packages (including rsync which was mentioned in the ticket). So afterwards a migration was working successfully:
vzmigrate -r yes srv01 2f64cf14-2534-4d29-bc71-6046ecfce652
Connection to destination node (srv01) is successfully established
Moving/copying CT 2f64cf14-2534-4d29-bc71-6046ecfce652 -> CT
2f64cf14-2534-4d29-bc71-6046ecfce652, [], [] ...
locking 2f64cf14-2534-4d29-bc71-6046ecfce652
Checking bindmounts
Check cluster ID
Checking keep dir for private area copy
Checking technologies
Check target CT name: VE02
Checking RATE parameters in config
Checking ploop format 2
copy CT private /vz/private/2f64cf14-2534-4d29-bc71-6046ecfce652
Successfully completed

I hope this post might help someone.