Subject: **Bug 343-Workaround** vzmigrate error upon failback - /dev/stdout: No such device or address
Posted by jmeek on Wed, 08 Nov 2006 20:45:18 GMT
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I have two hosts on the same local network, same version of OpenVZ (2.6.9-023stab032.1-smp), the main host (HARPALYKE) is running 20+ VMs without a problem. The other system (OTHOSIE) can create VMs and run them as expected.

I can vzmigrate a VM from the main to the secondary and after the ARP tables on the switch update it works perfectly but when I try to fail back I get this error:

[/]# vzmigrate -r no -v harpalyke 121
OPT:-r
OPT:-v
OPT:harpalyke
Starting migration of VE 121 on harpalyke
bash: /dev/stdout: No such device or address
OpenVZ is not running on the target machine
Can't continue migration

I don't know where to go from here. Please help me understand why on two identical machines I can fail one way but cannot fail back ..

Subject: Re: vzmigrate error upon failback - /dev/stdout: No such device or address
Posted by Andrey Mirkin on Thu, 09 Nov 2006 16:45:08 GMT
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Can you please post here output of ls /dev/stdout -l on both servers.
What distrib is installed on servers?

Subject: Re: vzmigrate error upon failback - /dev/stdout: No such device or address
Posted by jmeek on Thu, 09 Nov 2006 17:16:10 GMT
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On HARPALYKE (the working one):
[~]$ ls /dev/stdout -l
lrwxrwxrwx 1 root root 15 Nov 8 06:39 /dev/stdout -> /proc/self/fd/1

On OTHOSIE (the nonworking one)
[~]# ls /dev/stdout -l
lrwxrwxrwx 1 root root 15 Nov 8 07:07 /dev/stdout -> /proc/self/fd/1

Subject: Re: vzmigrate error upon failback - /dev/stdout: No such device or address
Posted by Andrey Mirkin on Fri, 10 Nov 2006 07:50:50 GMT
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Please post here result of "/etc/init.d/vz status" command on both servers. Actually this is the main problem, which stops migration.
What vzctl version do you use?
And what Linux distributive is installed on both servers?

Subject: Re: vzmigrate error upon failback - /dev/stdout: No such device or address
Posted by jmeek on Fri, 10 Nov 2006 14:42:00 GMT
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both systems have VZ running, esp from the secondary to the primvary since it hosting 19 ofther VMs

The VM version on the main (was):
[harpalyke ~]$ rpm -qa |grep vzctl
vzctl-lib-3.0.10-1
vzctl-3.0.10-1

but since has been updated to match the secondary, which is:
[othosie ~]# rpm -qa |grep vzctl
vzctl-lib-3.0.12-1
vzctl-3.0.12-1

Distribution os both systems is CentOS4 for the host and VMs

Subject: Re: vzmigrate error upon failback - /dev/stdout: No such device or address
Posted by dev on Fri, 10 Nov 2006 16:03:25 GMT
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please run:
bash -x vzmigrate -r no -v harpalyke 121

Subject: Re: vzmigrate error upon failback - /dev/stdout: No such device or address
Posted by jmeek on Fri, 10 Nov 2006 16:24:21 GMT

I tested two VMs, one was created on OTHOSIE and cannot migrate to HARPALYKE (VM:121) and the other came from HARPALYKE to OTHOSIE correctly but cannot return (VM:103).

Migrating 121 (A new VM created on OTHOSIE):

```
[root@othosie ~]# bash -x vzmigrate -r no -v harpalyke 121
+ ACT_SCRIPTS_SFX='start stop mount umount'
+ SSH_OPTIONS=
+ SSH='ssh '
+ SCP='scp '
+ online=0
+ verbose=0
+ remove_area=1
+ keep_dst=0
+ debug=0
+ out=/dev/null
+ confdir=/etc/vz/conf
+ vzconf=/etc/vz/vz.conf
+ tmpdir=/var/tmp
+ act_scripts=
+ MIG_ERR_USAGE=1
+ MIG_ERR_VPS_IS_STOPPED=2
+ MIG_ERR_CANT_CONNECT=4
+ MIG_ERR_COPY=6
+ MIG_ERR_START_VPS=7
+ MIG_ERR_STOP_SOURCE=8
+ MIG_ERR_EXISTS=9
+ MIG_ERR_NOEXIST=10
+ MIG_ERR_IP_IN_USE=12
+ MIG_ERR_QUOTA=13
+ MIG_ERR_CHECKPOINT=8
+ MIG_ERR_MOUNT_VPS=7
+ MIG_ERR_RESTORE_VPS=7
+ MIG_ERR_OVZ_NOT_RUNNING=14
+ MIG_ERR_APPLY_CONFIG=15
+ '[' 5 -lt 2 ']'
+ '[' '!' -z -r ']'
+ echo OPT:-r
OPT:-r
+ case "$1" in
+ shift
+ '[' no = yes ']'
+ '[' no = no ']'
+ remove_area=0
+ shift
+ '[' '!' -z -v ']'
+ echo OPT:-v
```

```
OPT:-v
+ case "$1" in
+ verbose=1
+ out=/dev/stdout
+ shift
+ '[' '!' -z harpalyke ']'
+ echo OPT:harpalyke
OPT:harpalyke
+ case "$1" in
+ break
+ host=harpalyke
+ shift
+ VEID=121
+ shift
+ '[' -z harpalyke -o -z 121 -o 0 -ne 0 ']'
+ vpsconf=/etc/vz/conf/121.conf
+ '[' '!' -r /etc/vz/vz.conf -o '!' -r /etc/vz/conf/121.conf ']'
++ vzctl status 121
+ get_status VEID 121 exist unmounted down
+ exist=exist
+ mounted=unmounted
+ state=down
+ '[' exist = deleted ']'
+ '[' 0 -eq 1 ']'
+ log 1 'Starting migration of VE 121 on harpalyke'
+ '[' 1 -eq 1 ']'
+ shift
+ echo -e Starting migration of VE 121 on harpalyke
Starting migration of VE 121 on harpalyke
+ ssh '-o BatchMode=yes' root@harpalyke /bin/true
+ ssh '-o BatchMode=yes' root@harpalyke '/etc/init.d/vz status &> /dev/stdout'
bash: /dev/stdout: No such device or address
+ echo 'OpenVZ is not running on the target machine'
OpenVZ is not running on the target machine
+ echo 'Can\''t continue migration'
Can't continue migration
+ exit 14
```

Migrating a VM that was migrated from HARPALYKE to OTHOSIE and trying to migrate it back:

```
[root@othosie ~]# bash -x vzmigrate -r no -v harpalyke 103
+ ACT_SCRIPTS_SFX='start stop mount umount'
+ SSH_OPTIONS=
+ SSH='ssh '
+ SCP='scp '
+ online=0
+ verbose=0
```

```
+ remove_area=1
+ keep_dst=0
+ debug=0
+ out=/dev/null
+ confdir=/etc/vz/conf
+ vzconf=/etc/vz/vz.conf
+ tmpdir=/var/tmp
+ act_scripts=
+ MIG_ERR_USAGE=1
+ MIG_ERR_VPS_IS_STOPPED=2
+ MIG_ERR_CANT_CONNECT=4
+ MIG_ERR_COPY=6
+ MIG_ERR_START_VPS=7
+ MIG_ERR_STOP_SOURCE=8
+ MIG_ERR_EXISTS=9
+ MIG_ERR_NOEXIST=10
+ MIG_ERR_IP_IN_USE=12
+ MIG_ERR_QUOTA=13
+ MIG_ERR_CHECKPOINT=8
+ MIG_ERR_MOUNT_VPS=7
+ MIG_ERR_RESTORE_VPS=7
+ MIG_ERR_OVZ_NOT_RUNNING=14
+ MIG_ERR_APPLY_CONFIG=15
+ '[' 5 -lt 2 ']'
+ '[' '!' -z -r ']'
+ echo OPT:-r
OPT:-r
+ case "$1" in
+ shift
+ '[' no = yes ']'
+ '[' no = no ']'
+ remove_area=0
+ shift
+ '[' '!' -z -v ']'
+ echo OPT:-v
OPT:-v
+ case "$1" in
+ verbose=1
+ out=/dev/stdout
+ shift
+ '[' '!' -z harpalyke ']'
+ echo OPT:harpalyke
OPT:harpalyke
+ case "$1" in
+ break
+ host=harpalyke
+ shift
+ VEID=103
```

```
+ shift
+ '[' -z harpalyke -o -z 103 -o 0 -ne 0 ']'
+ vpsconf=/etc/vz/conf/103.conf
+ '[' '!' -r /etc/vz/vz.conf -o '!' -r /etc/vz/conf/103.conf ']'
++ vzctl status 103
+ get_status VEID 103 exist mounted running
+ exist=exist
+ mounted=mounted
+ state=running
+ '[' exist = deleted ']'
+ '[' 0 -eq 1 ']'
+ log 1 'Starting migration of VE 103 on harpalyke'
+ '[' 1 -eq 1 ']'
+ shift
+ echo -e Starting migration of VE 103 on harpalyke
Starting migration of VE 103 on harpalyke
+ ssh '-o BatchMode=yes' root@harpalyke /bin/true
+ ssh '-o BatchMode=yes' root@harpalyke '/etc/init.d/vz status &> /dev/stdout'
bash: /dev/stdout: No such device or address
+ echo 'OpenVZ is not running on the target machine'
OpenVZ is not running on the target machine
+ echo 'Can'\''t continue migration'
Can't continue migration
+ exit 14
```

Subject: Re: vzmigrate error upon failback - /dev/stdout: No such device or address
Posted by dev on Fri, 10 Nov 2006 16:44:59 GMT
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run the following commands from othosie:
ssh '-o BatchMode=yes' root@harpalyke '/etc/init.d/vz status &> /dev/stdout'

does it work?
if not, then:
1. run:
ssh '-o BatchMode=yes' root@harpalyke 'ls -la /dev/stdout'
ssh '-o BatchMode=yes' root@harpalyke 'ls -la /proc/self/fd'

2. check /etc/passwd on harpalyke, what shell is specified for root user?

Subject: Re: vzmigrate error upon failback - /dev/stdout: No such device or address
Posted by jmeek on Fri, 10 Nov 2006 16:53:47 GMT

[root@othosie ~]# ssh '-o BatchMode=yes' root@harpalyke '/etc/init.d/vz status &> /dev/stdout'
bash: /dev/stdout: No such device or address

[root@othosie ~]# ssh '-o BatchMode=yes' root@harpalyke 'ls -la /dev/stdout'
lrwxrwxrwx 1 root root 15 Nov 8 06:39 /dev/stdout -> /proc/self/fd/1

[root@othosie ~]# ssh '-o BatchMode=yes' root@harpalyke 'ls -la /proc/self/fd'
total 4
dr-x------ 2 root root 0 Nov 10 10:52 .
dr-xr-xr-x 3 root root 0 Nov 10 10:52 ..
lrwx------ 1 root root 64 Nov 10 10:52 0 -> socket:[10705511]
lrwx------ 1 root root 64 Nov 10 10:52 1 -> socket:[10705511]
lrwx------ 1 root root 64 Nov 10 10:52 2 -> socket:[10705513]
lr-x------ 1 root root 64 Nov 10 10:52 3 -> /proc/4922/fd

[root@harpalyke ~]$ grep root /etc/passwd
root:x:0:0:root:/root:/bin/bash
operator:x:11:0:operator:/root:/sbin/nologin

Subject: Re: vzmigrate error upon failback - /dev/stdout: No such device or address
Posted by dev on Fri, 10 Nov 2006 17:12:49 GMT

heh, I reproduced it locally. don't know why it doesn't work yet.
but the bug is definetely here. probably somehow depends on bash or ssh version.

please, fill in a bug and use the following workaround:
edit your /usr/sbin/vzmigrate file:
- remove "&> $out" in the following fragment:

# Check if OpenVZ is running
if ! $SSH "-o BatchMode=yes" "root@$host" "/etc/init.d/vz status &> $out"; then

to get:

# Check if OpenVZ is running
if ! $SSH "-o BatchMode=yes" "root@$host" "/etc/init.d/vz status"; then

---

Subject: Re: **Bug 343-Workaround** vzmigrate error upon failback - /dev/stdout: No such device or address

Posted by consultorpc on Wed, 03 Jan 2007 06:21:20 GMT
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I had exactly the same bug here.

Using the workaround seems to work ok, BTW.