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Subject: Re: Even worse thing when migrating online

Posted by [divB](#) on Sun, 06 Sep 2009 20:35:29 GMT

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Hi,

I have built in the hack too and now the migration also succeeds! I have tried a few times, no problems!

But actually I do NOT understand why because the MAC of the bridge never changes!!

Quote:More precisely, almost fine, since now I have to somehow persuade the switches to automatically and quickly learn the location of the migrated VE (currently, even if the VE has been migrated, all the pings coming outside of the VE's segment are "routed" to the source HW node -- as soon as I ping anything from the migrated VE, the switches learn this new location and "route" all the packets as suspected.

My hack is to read out the ARP table just before migration and after migration, I ping all those IPs. For this, I modified vzmigrate:

```
--- /usr/sbin/vzmigrate 2009-05-08 14:40:23.0000000000 +0200
+++ /usr/local/sbin/vzmigrate2 2009-09-05 13:07:07.0000000000 +0200
@@ -446,6 +446,13 @@
if [ $online -eq 1 ]; then
    log 1 "Live migrating VE"

+    log 1 "Saving arp table"
+    # vzctl exec2 $VEID "arp -n | awk '{print $1}' | egrep '^([0-9\.]+)$' >/var/run/arp_table"
+    vzctl exec $VEID 'arp -n | awk "{print \$1}" | egrep "^([0-9\.]+)$" >/var/run/arp_table'
+
    log 2 "Suspending VE"
    time_suspend=$(date +%s.%N)
    if ! logexec 2 vzctl chkpnt $VEID --suspend ; then
@@ -560,6 +567,12 @@
    log 2 "Removing dumpfiles"
    rm -f "$VE_DUMPFILE"
    $SSH "root@$host" "rm -f $VE_DUMPFILE"

+
+    log 1 "Pinging hosts in arp cache"
+    $SSH root@$host vzctl exec $VEID "[ -x /usr/sbin/fping ] && fping -i 1 -r 1 -f
/var/run/arp_table"
else
    if [ "$state" = "running" ]; then
        log 1 "Starting VE"
```

Regards,

divB