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Subject: ARP? Short network outages on OpenVZ HOST when starting or stopping OVZ nodes (netw bridging)

Posted by [vazir](#) on Sun, 17 Feb 2008 16:38:46 GMT

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Does anyone seen that glitch, when the virtual host started or stopped, in 95 cases (with me - the main host loses network (seems ARP tables getting emptied) - and restores in ~30 seconds. None of virtual nodes on this host loses connectivity - just hardware node. For networking I use bridged networking (veth)

The strange thing is that this happens not on the every node.

Starting/stopping some of the nodes does not break networking on the host at all.

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Subject: Re: ARP? Short network outages on OpenVZ HOST when starting or stopping OVZ nodes (netw bridging)

Posted by [den](#) on Mon, 18 Feb 2008 08:48:23 GMT

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I think that you see a MAC address change on your bridge. In this case a DHCP will re-negotiate the HWN IP.

Pls check this. eth0 MAC should be the smallest beyond ones inserting to a bridge. If this does not help, pls explain your setup in more details including exact kernel version you are using.

Regards,  
Den

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Subject: Re: ARP? Short network outages on OpenVZ HOST when starting or stopping OVZ nodes (netw bridging)

Posted by [vazir](#) on Mon, 18 Feb 2008 09:07:35 GMT

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Hi Den!

I don't use DHCP in my network, a little confused how DHCP is involved in this.

My setup is as follows:

Behaves the same on:

Linux vz1 2.6.18-fza-028stab051.1-686 #1 SMP Fri Dec 7 17:44:02 CET 2007 i686 GNU/Linux (P4 netburst)

Linux vz2 2.6.22-ovz005.1 #1 SMP Thu Nov 15 15:35:00 MSK 2007 x86\_64 GNU/Linux (Core2 quad)

br0     Link encap:Ethernet HWaddr 00:18:51:52:7C:8C

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```
eth1    Link encap:Ethernet HWaddr 00:50:04:04:0A:D7
veth116.0 Link encap:Ethernet HWaddr 00:18:51:99:F3:C7
veth122.0 Link encap:Ethernet HWaddr 00:18:51:89:DB:CF
veth124.0 Link encap:Ethernet HWaddr 00:18:51:8B:9C:ED
veth126.0 Link encap:Ethernet HWaddr 00:18:51:D0:EB:B7
veth130.0 Link encap:Ethernet HWaddr 00:18:51:A2:C8:5F
```

Do you think having eth1 HWaddr 00:50:04:04:0A:D7 - might be a problem?

config of one of the VE, which affects HN

```
ONBOOT="yes"
```

```
# UBC parameters (in form of barrier:limit)
# Primary parameters
AVNUMPROC="40:40"
NUMPROC="512:512"
NUMTCPSOCK="80:80"
NUMOTHERSOCK="80:80"
VMGUARPAGES="6144:2147483647"
# Secondary parameters
KMEMSIZE="268435456:268435456"
TCPSNDBUF="1924288:1924288"
TCPRCVBUF="1924288:1924288"
OTHERSOCKBUF="132096:336896"
DGRAMRCVBUF="132096:132096"
OOMGUARPAGES="6144:2147483647"
# Auxiliary parameters
LOCKEDPAGES="32:32"
SHMPAGES="8192:8192"
PRIVVMPAGES="262144:262144"
NUMFILE="2048:2048"
NUMFLOCK="100:110"
NUMPTY="16:16"
NUMSIGINFO="256:256"
DCACHESIZE="1048576:1097728"

PHYSPPAGES="0:2147483647"
NUMIPTENT="128:128"

# Disk quota parameters (in form of softlimit:hardlimit)
DISKSPACE="10485760:10485760"
DISKINODES="2000000:2000000"
QUOTATIME="0"

# CPU fair sheduler parameter
CPUUNITS="1000"
VE_ROOT="/home/vzmount/forum2"
```

```
VE_PRIVATE="/home/vzhosts/forum2"
OSTEMPLATE="debian_forum_backup"
ORIGIN_SAMPLE="template.10GB"
NAME="forum2"
HOSTNAME="forum2"
NETIF=" ifname=eth0,mac=00:18:51:1A:6E:66,host_ifname=veth130.0,host
_mac=00:18:51:A2:C8:5F "
CUSTOM_CONFIG="yes"
```

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Subject: Re: ARP? Short network outages on OpenVZ HOST when starting or stopping OVZ nodes (netw bridging)

Posted by [den](#) on Mon, 18 Feb 2008 10:56:20 GMT

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I was wrong with the suggestion. It was from older kernel.

So now it looks like a "bridge topology changed" timeout.

brctl setfd br0 0  
should help.

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Subject: Re: ARP? Short network outages on OpenVZ HOST when starting or stopping OVZ nodes (netw bridging)

Posted by [vazir](#) on Mon, 18 Feb 2008 11:05:39 GMT

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Looks it helped! Thanks so much man! This was annoying

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