Subject: Assign more ips to container
Posted by pateutz on Sat, 07 Jul 2012 23:13:39 GMT
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hy everyone

i have Debian 6.0 i386 with openvz 686

i make some containers and them work good

but i wann make a container with multiple public ips to container

at server i have made bridge this is the config

root@smallhosting:~# cat /etc/network/interfaces
This file describes the network interfaces available on your system
and how to activate them. For more information, see interfaces(5).

The loopback network interface
auto lo
iface lo inet loopback

The primary network interface

brctl addbr br0
auto br0
iface br0 inet static
bridge_ports eth1
 address 89.42.231.180
 broadcast 89.42.231.255
 netmask 255.255.255.0
 gateway 89.42.231.1

the id of container is 113

this is conf of 113.conf

VE_ROOT="/storage/vz/root/$VEID"
VE_PRIVATE="/storage/vz/private/$VEID"
OSTEMPLATE="debian-6.0-i386-minimal"
ORIGIN_SAMPLE="basic"
HOSTNAME="test.smallhosting.ro"
NAMESERVER="193.231.169.2"
SEARCHDOMAIN="smallhosting.ro"
VETH_IP_ADDRESS="89.42.231.113"

NETIF="ifname=eth1.113,mac=00:02:04:06:08:02,host_ifname=veth113.0,host_mac=00:19:99:c4:66:87"

so i tryed a lots of times and search 2 weeks on google to read how to make this

so i tryed like this:

i installed vlan and i config interface like this

```
brctl addbr br0
auto br0
iface br0 inet static
bridge_ports eth1
 address 89.42.231.180
 broadcast 89.42.231.255
 netmask 255.255.255.0
 gateway 89.42.231.1

auto eth1.113
iface eth1.113 inet static
        address 89.42.231.113
        netmask 255.255.255.0
        #gateway 192.168.110.254
        #network 192.168.110.0
        broadcast 89.42.231.255
        vlan_raw_device eth1

auto eth1.124
iface eth1.124 inet static
        address 89.42.231.124
        netmask 255.255.255.0
        #gateway 192.168.110.254
        #network 192.168.110.0
        broadcast 89.42.231.255
        vlan_raw_device eth1
```

113.conf was this

```
VE_ROOT="/storage/vz/root/$VEID"
VE_PRIVATE="/storage/vz/private/$VEID"
OSTEMPLATE="debian-6.0-i386-minimal"
ORIGIN_SAMPLE="basic"
HOSTNAME="test.smallhosting.ro"
```

```
NAMESERVER="193.231.169.2"
SEARCHDOMAIN="smallhosting.ro"
VETH_IP_ADDRESS="89.42.231.113/24;89.42.231.124/24"
#BRIDGEDEV="br0"
NETIF="ifname=eth1.113,mac=00:02:04:06:08:02,host_ifname=veth113.0,host_mac=00:19:99:c4
:66:87;ifname=eth1.124,mac=00:02:04:06:08:04,host_ifname=veth113.1,host_mac=00:19:99:c4:6
6:87"
```

i restarted the network

```
root@smallhosting:~# /etc/init.d/networking restart
Running /etc/init.d/networking restart is deprecated because it may not enable again some
interfaces ... (warning).
Reconfiguring network interfaces...Removed VLAN -:eth1.113:-

Waiting for br0 to get ready (MAXWAIT is 32 seconds).
Set name-type for VLAN subsystem. Should be visible in /proc/net/vlan/config
Added VLAN with VID == 113 to IF -:eth1:-
Set name-type for VLAN subsystem. Should be visible in /proc/net/vlan/config
Added VLAN with VID == 124 to IF -:eth1:-
done.
```

this is the ifconfig

```
root@smallhosting:~# ifconfig
br0       Link encap:Ethernet  HWaddr 00:19:99:c4:66:87
          inet addr:89.42.231.180  Bcast:89.42.231.255  Mask:255.255.255.0
          inet6 addr: fe80::219:99ff:fec4:6687/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:2325 errors:0 dropped:0 overruns:0 frame:0
          TX packets:70 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:184371 (180.0 KiB)  TX bytes:5912 (5.7 KiB)

eth1      Link encap:Ethernet  HWaddr 00:19:99:c4:66:87
          inet6 addr: fe80::219:99ff:fec4:6687/64 Scope:Link
          UP BROADCAST RUNNING PROMISC MULTICAST  MTU:1500  Metric:1
          RX packets:121742 errors:0 dropped:0 overruns:0 frame:0
          TX packets:4798 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:11519797 (10.9 MiB)  TX bytes:518455 (506.3 KiB)
          Interrupt:18 Memory:fe600000-fe620000
```

```
eth1.113  Link encap:Ethernet  HWaddr 00:19:99:c4:66:87
          inet addr:89.42.231.113  Bcast:89.42.231.255  Mask:255.255.255.0
          inet6 addr: fe80::219:99ff:fec4:6687/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:6 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:0 (0.0 B)  TX bytes:468 (468.0 B)

eth1.124  Link encap:Ethernet  HWaddr 00:19:99:c4:66:87
          inet addr:89.42.231.124  Bcast:89.42.231.255  Mask:255.255.255.0
          inet6 addr: fe80::219:99ff:fec4:6687/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:6 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:0 (0.0 B)  TX bytes:468 (468.0 B)
```

i started the container

```
root@smallhosting:~# vzctl start 113
Restarting container
Starting container ...
Container is mounted
Setting CPU units: 1000
Set hostname: test.smallhosting.ro
File resolv.conf was modified
Configure veth devices: veth113.0 veth113.1
ifname=
host_ifname=
Initializing interface veth113.0 for VE113.
Adding interface veth113.0 to the bridge br0.
Adding an IP 89.42.231.113/24 to the eth1.113 for VE113.
Adding a route from VE0 to VE113.
RTNETLINK answers: File exists
ifname=
host_ifname=
Initializing interface veth113.1 for VE113.
SIOCSIFADDR: No such device
veth113.1: ERROR while getting interface flags: No such device
Adding interface veth113.1 to the bridge br0.
interface veth113.1 does not exist!
Cannot find device "eth1.124"
Adding an IP 89.42.231.124/24 to the eth1.124 for VE113.
Cannot find device "eth1.124"
Adding a route from VE0 to VE113.
```

```
ifname=
host_ifname=
Initializing interface veth113.0 for VE113.
Adding interface veth113.0 to the bridge br0.
device veth113.0 is already a member of a bridge; can't enslave it to bridge br0.
Adding an IP 89.42.231.113/24 to the eth1.113 for VE113.
RTNETLINK answers: File exists
Adding a route from VE0 to VE113.
RTNETLINK answers: File exists
ifname=
host_ifname=
Initializing interface veth113.1 for VE113.
Adding interface veth113.1 to the bridge br0.
Adding an IP 89.42.231.124/24 to the eth1.124 for VE113.
Adding a route from VE0 to VE113.
RTNETLINK answers: File exists
Container start in progress...
```

i entered in container "vzctl enter 113"

ifconfig in container

```
eth1.113  Link encap:Ethernet  HWaddr 00:02:04:06:08:02
          inet addr:89.42.231.113  Bcast:0.0.0.0  Mask:255.255.255.0
          inet6 addr: fe80::202:4ff:fe06:802/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:1393 errors:0 dropped:0 overruns:0 frame:0
          TX packets:9 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:103134 (100.7 KiB)  TX bytes:600 (600.0 B)

eth1.124  Link encap:Ethernet  HWaddr 00:02:04:06:08:04
          inet addr:89.42.231.124  Bcast:0.0.0.0  Mask:255.255.255.0
          inet6 addr: fe80::202:4ff:fe06:804/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:1386 errors:0 dropped:0 overruns:0 frame:0
          TX packets:9 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:102147 (99.7 KiB)  TX bytes:600 (600.0 B)

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
```

collisions:0 txqueuelen:0
RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)

route -n on container

root@test:/# route -n
Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
89.42.231.1	0.0.0.0	255.255.255.255	UH	0	0	0	eth1.113
89.42.231.0	0.0.0.0	255.255.255.0	U	0	0	0	eth1.113
89.42.231.0	0.0.0.0	255.255.255.0	U	0	0	0	eth1.124
0.0.0.0	89.42.231.1	0.0.0.0	UG	0	0	0	eth1.113

no internet access
no pings in gateway

root@test:/# ping 89.42.231.1
PING 89.42.231.1 (89.42.231.1) 56(84) bytes of data.

--- 89.42.231.1 ping statistics ---
2 packets transmitted, 0 received, 100% packet loss, time 999ms

root@test:/# ping 89.42.231.1
PING 89.42.231.1 (89.42.231.1) 56(84) bytes of data.

--- 89.42.231.1 ping statistics ---
5 packets transmitted, 0 received, 100% packet loss, time 3999ms

route -n on server

89.42.231.124	0.0.0.0	255.255.255.255	UH	0	0	0	br0
89.42.231.113	0.0.0.0	255.255.255.255	UH	0	0	0	br0
89.42.231.0	0.0.0.0	255.255.255.0	U	0	0	0	br0
89.42.231.0	0.0.0.0	255.255.255.0	U	0	0	0	eth1.113
89.42.231.0	0.0.0.0	255.255.255.0	U	0	0	0	eth1.124
0.0.0.0	89.42.231.1	0.0.0.0	UG	0	0	0	br0

ping from server in container at 89.42.231.113

root@smallhosting:~# ping 89.42.231.113
PING 89.42.231.113 (89.42.231.113) 56(84) bytes of data.
64 bytes from 89.42.231.113: icmp_req=1 ttl=64 time=0.020 ms

64 bytes from 89.42.231.113: icmp_req=2 ttl=64 time=0.033 ms
64 bytes from 89.42.231.113: icmp_req=3 ttl=64 time=0.028 ms
^C
--- 89.42.231.113 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 1999ms
rtt min/avg/max/mdev = 0.020/0.027/0.033/0.005 ms

ping in same container but in 89.42.231.124

root@smallhosting:~# ping 89.42.231.124
PING 89.42.231.124 (89.42.231.124) 56(84) bytes of data.
64 bytes from 89.42.231.124: icmp_req=1 ttl=64 time=0.020 ms
64 bytes from 89.42.231.124: icmp_req=2 ttl=64 time=0.025 ms
64 bytes from 89.42.231.124: icmp_req=3 ttl=64 time=0.024 ms
^C
--- 89.42.231.124 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 1999ms
rtt min/avg/max/mdev = 0.020/0.023/0.025/0.002 ms

and i tryed a lots of tutorials and how to make but nothig

someone can help me plz? i need quick of this

thx and sorry for my english