
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 tried a lots of times and search 2 weeks on google to read how to make this

so i tried 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:c4:66:87"
```

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
