Subject: assign public (or private) ip to new vps?
Posted by snowdeal on Wed, 15 Feb 2006 02:37:30 GMT

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since i don't see any other posts regarding this topic, i'm going to have to assume that i'm missing something basic and this is yet another opportunity for me to embarrass myself in public.

anyway, i have a openvz installed on a hardware node running rhel3 with one nic and eth0 and lo enabled by default [1]. and for the life of me i can't figure out how to assign public ips from my pool of available addresses to a new vps.

of course, at first i tried following the quick install instructions precisely [2] and ran into a "Unable to apply network parameters: VPS is not running" error. so, naturally i'd start the vps and then apply the public ip. while the vps starts without a problem, i get an error that it's unable to add the route [3] because the network is down.

next, using my faulty logic skills i thought i'd turn on the addresses on the hardware node by properly configuring ifcfg-eth0-range0 and running './ifup-aliases eth0' to bring up the pool of addresses and assign one to the new vps. but after creating the node with a slightly modified set of commands [4], when i attempt to start the vps, i receive enough errors [5] to indicate that something has gone seriously awry.

lastly, i thought i might try assigning a private ip to the node and ssh into the running vps and assign the public ip, but i run into this problem [6] where my network is claming that they have every private/non-routable IP address for reasons that i don't understand.

if someone could help get me out of this quagmire, i'd be mighty obliged.

eric

[1]
```
eth0      Link encap:Ethernet  HWaddr my.mac.address
          inet addr:my.public.ip  Bcast:my.bcast  Mask:255.255.255.224
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:262511 errors:0 dropped:0 overruns:0 frame:0
          TX packets:237674 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:226756755 (216.2 Mb)  TX bytes:38988863 (37.1 Mb)
          Base address:0xecc0 Memory:fe100000-fe120000

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:8493 errors:0 dropped:0 overruns:0 frame:0
          TX packets:8493 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:799010 (780.2 Kb)  TX bytes:799010 (780.2 Kb)
```

[2]
vzctl create 101 --ostemplate centos-4-i386-default --config vps.basic
/usr/sbin/vzctl set 101 --ipadd next.public.ip
Unable to apply network parameters: VPS is not running
WARNING: Settings were not saved and will be resetted to original values on next start (use --save flag)

[3]
/usr/sbin/vzctl set 101 --ipadd next.public.ip
Adding IP address(es): next.public.ip
RTNETLINK answers: Network is down
vps-net_add ERROR: Unable to add route /sbin/ip route add next.public.ip dev venet0 src my.public.ip

[4]
vzctl create 101 --ostemplate centos-4-i386-default --config vps.basic
vzctl set 101 --onboot yes --save
vzctl set 101 --ipadd next.public.ip --save

[5]
Starting VPS ...
VPS is mounted
Adding IP address(es): next.public.ip
RTNETLINK answers: Network is down
vps-net_add ERROR: Unable to add route /sbin/ip route add public.ip.195 dev venet0 src public.ip.215
VPS start failed
Stopping VPS ...
VPS was stopped
vzquota : (error) Quota off syscall for id 101: Device or resource busy
vzquota setlimit -f failed [3]
VPS is unmounted

[6]
  http://forum.openvz.org/index.php?t=msg&th=207&#msg_ 951