Subject: Private/public IPs on VEs
Posted by ktwalrus on Sun, 23 Nov 2008 19:40:44 GMT
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I'm new to OpenVZ and from reading over the pages here, I think I basically understand some of the issues to do what I want, but I'd like to read opinions since I haven't seen an article specifically address my set up.

I have a server (HN) that has two ethernet ports: eth0 and eth1. eth0 is for Private VLAN and eth1 is for Public Internet.

I have 5 Public IPs (4 usable for VEs) and 64 Private IPs (63 usable for VEs).

I want to create the VEs so some of them have a Public IP and all of them have a Private IP. All of them should be able to see all VEs and HN. The HN has both a public and a private IP. All of them should be able to see the internet including seeing the DNS servers. The internet should only see the VEs with Public IPs.

Subject: Re: Private/public IPs on VEs
Posted by maratrus on Mon, 24 Nov 2008 13:24:40 GMT
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Hello,

it is a possible scenario.

You may use either venet interface or veth inside VE.
I'll try to describe in a few words venet case. You can read more about veth interface at the following page http://wiki.openvz.org/Veth .

- set appropriate sysctl parameters for example as described
http://wiki.openvz.org/Quick_installation#sysctl
- to assign an ip address to your VE use "vzctl set $VEID --ipadd $IP [-save]"
- make sure that default gateway inside each VE pointed to venet interface. you can also set explicit routes inside VE i.e.
ip route add $PRIAVTE_NETWORK src $PRIVATE_IP dev venet0
ip route add $PUBLIC_NETWORK src $PUBLIC_IP dev venet0
- to provide an access to internet for your "private" VEs you can use SNAT
 http://wiki.openvz.org/Using_NAT_for_container_with_private_ IPs

Subject: Re: Private/public IPs on VEs
Posted by ktwalrus on Tue, 25 Nov 2008 04:24:04 GMT
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Thanks. I got it mostly working.

Subject: Re: Private/public IPs on VEs
Posted by maratrus on Tue, 25 Nov 2008 09:05:18 GMT
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Hello,

just to be more fair and precise.
I was pointed out that my previous post was not correct. The suggestion to put route like

ip route add $PUBLIC_NETWORK src $PUBLIC_IP dev venet0

in some cases is meaningless. The better way to give an access to internet is

ip route add default dev venet0 src $PUBLIC_IP