Subject: how to let container forward ip packets
Posted by openvzcnsha on Sun, 06 Mar 2011 03:19:39 GMT
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Hello

I've setup two interfaces in my container, eth0 and eth1.

the ip address of eth0 is 192.168.1.8/24
the ip address of eth1 is 172.16.0.3/24

when i ping 172.16.0.3 from my web server 192.168.1.4, I found the ping is failed.

Then I turned on the tcpdump on interface eth1 and I saw that:

06:17:27.373507 IP 192.168.1.4 > 172.16.0.3: ICMP echo request, id 11023, seq 1134, length 64
06:17:28.373521 IP 192.168.1.4 > 172.16.0.3: ICMP echo request, id 11023, seq 1135, length 64
06:17:29.373524 IP 192.168.1.4 > 172.16.0.3: ICMP echo request, id 11023, seq 1136, length 64
06:17:30.373530 IP 192.168.1.4 > 172.16.0.3: ICMP echo request, id 11023, seq 1137, length 64

there is only echo in but no echo reply.

So, I think the problem is that the icmp packet reached my container buy it doesn't know how to forward it.

the route table in my container is:
root@r02:/# route -n
Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
172.16.0.0	0.0.0.0	255.255.255.0	U	0	0	0	eth1
192.168.1.0	0.0.0.0	255.255.255.0	U	0	0	0	eth0
0.0.0.0	192.168.1.2	0.0.0.0	UG	100	0	0	eth0
0.0.0.0	172.16.0.1	0.0.0.0	UG	100	0	0	eth1

When I try to use sysctl -p command to see my sysctl configuraton, it says:

root@r02:/# sysctl -p
error: permission denied on key 'kernel.printk'
error: permission denied on key 'kernel.maps_protect'
error: permission denied on key 'fs.inotify.max_user_watches'
error: "vm.mmap_min_addr" is an unknown key
net.ipv4.conf.default.rp_filter = 1
net.ipv4.conf.all.rp_filter = 1
net.ipv4.conf.default.forwarding = 1
net.ipv4.conf.default.proxy_arp = 1
net.ipv4.ip_forward = 1
net.ipv4.conf.all.rp_filter = 1
error: permission denied on key 'kernel.sysrq'

net.ipv4.conf.default.send_redirects = 1
net.ipv4.conf.all.send_redirects = 0

Is there something need to be done on sysctl regarding on VZ?

Thanks you in advance.