
Subject: Re: how to talk with...

Posted by [teekien](#) on Fri, 30 Apr 2010 14:20:46 GMT

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Problem is, I can't talk with 172 subnetwork on the physical host machine, nevermind OpenVZ containers.

I can communicate with hosts through eth0 (ie: ping -I eth0 192.168.1.any_host is successful), but not communicate with hosts in subnet 172 on through eth1.

I don't want to route packets between these two subnets. All traffic should go to 192 (external through 192 default gateway) except when the destination is a 172 network.

```
eth0    Link encap:Ethernet HWaddr 00:22:a7:2b:fc:f0
        inet addr:192.168.1.50 Bcast:192.168.1.255 Mask:255.255.255.0
        inet6 addr: fe80::217:a4ff:fe3b:fcf0/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
        RX packets:33873975 errors:0 dropped:0 overruns:0 frame:0
        TX packets:26973121 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:3267024423 (21.1 GiB) TX bytes:3234716554 (19.5 GiB)
        Interrupt:25
```

```
eth1    Link encap:Ethernet HWaddr 00:22:a7:1b:fa:e0
        inet addr:172.168.1.40 Bcast:172.168.1.255 Mask:255.255.255.0
        inet6 addr: fe80::217:a4ff:fe3b:fcef/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:1000
        RX bytes:0 (0.0 B) TX bytes:492 (492.0 B)
        Interrupt:26
```

venet0 etc...

I added static route:

```
ip route add 172.168.1.0/24 dev eth1 proto kernel scope link src 172.168.1.40
```

Here is relevant part of routing table:

```
172.168.1.0 * 255.255.255.0 U 0 0 0 eth1
192.168.1.0 * 255.255.255.0 U 0 0 0 eth0
default host.example.ca 0.0.0.0 UG 0 0 0 eth0
```

```
172.168.1.0/24 dev eth1 proto kernel scope link src 172.168.1.40
192.168.1.0/24 dev eth0 proto kernel scope link src 192.168.1.50
default via 192.168.1.50 dev eth0
```

I can't ping any host connected to the 172 subnet.

Here is my /etc/network/interfaces:

```
#loopback
auto lo eth0 eth1
iface lo inet loopback
```

```
# The primary network interface
allow-hotplug eth0
allow-hotplug eth1
```

```
iface eth0 inet static
address 192.168.1.50
netmask 255.255.255.0
network 192.168.1.0
gateway 192.168.1.1
broadcast 192.168.1.255
```

```
iface eth1 inet static
address 172.168.1.40
netmask 255.255.255.0
network 172.168.1.0
broadcast 172.168.1.255
```

```
#no gateway for eth1 specified as I want all external traffic forwarded through eth0
```

restarted interface:

```
ifdown eth1  
ifconfig eth1 172.168.1.40 netmask 255.255.255.0 up
```

The physical connection to the switch is fine. Before I can get to the containers I need to fix this problem.

I can ping the both local interfaces.

Any help please???
