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Subject: VPN Routing from CT

Posted by [bigmyx](#) on Tue, 09 Aug 2011 06:46:06 GMT

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I am trying to make OpenVPN tunnel accessible for all OVZ CT's running on the host.  
I have initialized the tunnel device on the host server to remote VPN server.  
Although I have PING response from the remote tunnel end-point on the host, I do not have it from inside the container.

Can anyone point me on the routing configuration that I need to perform in order to have the remote VPN server accessible from inside the OpenVPN containers ?

Here is my configuration:

```
iptables -t nat -L && iptables -t filter -L && iptables -t mangle -L
```

Chain PREROUTING (policy ACCEPT)

```
target    prot opt source                destination
```

Chain POSTROUTING (policy ACCEPT)

```
target    prot opt source                destination
```

Chain OUTPUT (policy ACCEPT)

```
target    prot opt source                destination
```

Chain INPUT (policy ACCEPT)

```
target    prot opt source                destination
```

Chain FORWARD (policy ACCEPT)

```
target    prot opt source                destination
```

Chain OUTPUT (policy ACCEPT)

```
target    prot opt source                destination
```

Chain PREROUTING (policy ACCEPT)

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target    prot opt source                destination
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Chain FORWARD (policy ACCEPT)

```
target    prot opt source                destination
```

Chain OUTPUT (policy ACCEPT)

```
target    prot opt source                destination
```

Chain POSTROUTING (policy ACCEPT)

```
target    prot opt source                destination
```

```
netstat -nr
```

Kernel IP routing table

Destination	Gateway	Genmask	Flags	MSS	Window	irtt	Iface
0.0.0.0	172.16.172.1	255.255.255.255	UGH	0 0		0	tun0
95.211.87.106	0.0.0.0	255.255.255.255	UH	0 0		0	venet0
95.211.96.45	0.0.0.0	255.255.255.255	UH	0 0		0	venet0
95.211.96.46	0.0.0.0	255.255.255.255	UH	0 0		0	venet0
95.211.96.47	0.0.0.0	255.255.255.255	UH	0 0		0	venet0
95.211.87.104	0.0.0.0	255.255.255.255	UH	0 0		0	venet0
95.211.87.113	0.0.0.0	255.255.255.255	UH	0 0		0	venet0
95.211.96.48	0.0.0.0	255.255.255.255	UH	0 0		0	venet0
95.211.96.33	0.0.0.0	255.255.255.255	UH	0 0		0	veth104.0
95.211.96.34	0.0.0.0	255.255.255.255	UH	0 0		0	venet0
95.211.87.101	0.0.0.0	255.255.255.255	UH	0 0		0	venet0
95.211.87.64	0.0.0.0	255.255.255.192	U	0 0		0	eth0
172.16.172.0	0.0.0.0	255.255.255.0	U	0 0		0	tun0
10.11.0.0	172.16.172.1	255.255.0.0	UG	0 0		0	tun0
172.16.0.0	172.16.172.1	255.255.0.0	UG	0 0		0	tun0
169.254.0.0	0.0.0.0	255.255.0.0	U	0 0		0	eth0
0.0.0.0	95.211.87.126	0.0.0.0	UG	0 0		0	eth0

```
/etc/sysctl.conf
```

```
net.ipv4.conf.default.rp_filter = 1
net.ipv4.conf.default.accept_source_route = 0
kernel.sysrq = 0
kernel.core_uses_pid = 1
net.ipv4.tcp_syncookies = 1
kernel.msgmnb = 65536
kernel.msgmax = 65536
kernel.shmmax = 68719476736
kernel.shmall = 4294967296
net.ipv4.ip_forward = 1
net.ipv6.conf.default.forwarding = 1
net.ipv6.conf.all.forwarding = 1
net.ipv4.conf.default.proxy_arp = 0
net.ipv4.conf.eth0.forwarding = 1
net.ipv4.conf.veth101.0.forwarding = 1
net.ipv4.conf.all.rp_filter = 1
kernel.sysrq = 1
net.ipv4.conf.default.send_redirects = 1
net.ipv4.conf.all.send_redirects = 0
```

172.16.0.0 is the target remote network that I want to get access to from CT's and its is currently unreachable.

Thanks !

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