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Subject: Leaking private IPs of container?  
Posted by [rala](#) on Fri, 20 Sep 2013 15:08:21 GMT  
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I've just been informed that apparently my OpenVZ server in the datacenter leaks private IP addresses and announces them to the rest of the network.

What did I do wrong?

iptables

```
*nat
:PREROUTING ACCEPT [0:0]
## forward ports to container
-A PREROUTING -p tcp --dport 80 -j DNAT --to-destination 192.168.1.5
# [...]
:POSTROUTING ACCEPT [0:0]
:OUTPUT ACCEPT [0:0]
-A POSTROUTING -s 192.168.1.0/25 -o eth0 -j SNAT --to-source <publicip>
COMMIT
```

sysctl

```
net.ipv4.conf.all.forwarding=1
net.ipv4.conf.all.rp_filter=1
net.ipv4.icmp_echo_ignore_broadcasts=1
net.ipv4.conf.default.forwarding=1
net.ipv4.conf.default.proxy_arp = 0
net.ipv4.conf.all.promote_secondaries = 1
net.ipv6.conf.all.forwarding = 1
net.ipv6.conf.default.forwarding = 1
net.ipv6.conf.all.proxy_ndp = 1
```

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Subject: Re: Leaking private IPs of container?  
Posted by [Paparaciz](#) on Sat, 21 Sep 2013 14:48:13 GMT  
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show sysctl settings of:

```
net.ipv4.conf.eth0.proxy_arp
```

or other interfaces

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Subject: Re: Leaking private IPs of container?  
Posted by [rala](#) on Sat, 21 Sep 2013 16:13:40 GMT  
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```
# sysctl -a | grep proxy_arp
net.ipv4.conf.all.proxy_arp = 0
net.ipv4.conf.all.proxy_arp_pvlan = 0
net.ipv4.conf.default.proxy_arp = 0
net.ipv4.conf.default.proxy_arp_pvlan = 0
net.ipv4.conf.lo.proxy_arp = 0
net.ipv4.conf.lo.proxy_arp_pvlan = 0
net.ipv4.conf.eth0.proxy_arp = 0
net.ipv4.conf.eth0.proxy_arp_pvlan = 0
net.ipv4.conf.venet0.proxy_arp = 0
net.ipv4.conf.venet0.proxy_arp_pvlan = 0
```

I am still on Proxmox 2.3. vzctl 4.0-4.git.162dded. I use Debian and Ubuntu in CTs, and venet exclusively.

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Subject: Re: Leaking private IPs of container?  
Posted by [rala](#) on Sat, 16 Nov 2013 18:22:15 GMT  
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I haven't solved this yet. Any suggestions?

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Subject: Re: Leaking private IPs of container?  
Posted by [prabhus](#) on Thu, 06 Nov 2014 10:08:27 GMT  
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Hello,

My provider has complained about the same problem too. My sysctl entry is below.

```
> sysctl -a | grep proxy_arp

net.ipv4.conf.all.proxy_arp = 0
net.ipv4.conf.all.proxy_arp_pvlan = 0
net.ipv4.conf.default.proxy_arp = 0
net.ipv4.conf.default.proxy_arp_pvlan = 0
net.ipv4.conf.lo.proxy_arp = 0
net.ipv4.conf.lo.proxy_arp_pvlan = 0
net.ipv4.conf.eth0.proxy_arp = 1
net.ipv4.conf.eth0.proxy_arp_pvlan = 0
```

```
net.ipv4.conf.venet0.proxy_arp = 1
net.ipv4.conf.venet0.proxy_arp_pvlan = 0
net.ipv4.conf.veth104/0.proxy_arp = 1
net.ipv4.conf.veth104/0.proxy_arp_pvlan = 0
```

In my case I need the proxy\_arp setting to allow the containers access the internet. As shown in the config, I use veth for the containers with a private IP range. Any pointers?

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