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Subject: Re: network issue

Posted by [soptom](#) on Mon, 29 Oct 2007 17:05:42 GMT

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```
[root@master2 ~]# ip r s
91.194.90.126 dev venet0 scope link
91.194.90.0/25 dev eth0 proto kernel scope link src 91.194.90.25
169.254.0.0/16 dev eth0 scope link
default via 91.194.90.1 dev eth0
```

```
[root@master2 ~]# ip a s
2: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
4: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 00:02:b3:b7:29:75 brd ff:ff:ff:ff:ff:ff
    inet 91.194.90.25/25 brd 91.194.90.127 scope global eth0
    inet6 fe80::202:b3ff:feb7:2975/64 scope link
        valid_lft forever preferred_lft forever
6: sit0: <NOARP> mtu 1480 qdisc noop
    link/sit 0.0.0.0 brd 0.0.0.0
1: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,LOWER_UP> mtu 1500 qdisc noqueue
    link/void
```

```
[root@master2 ~]# cat /etc/sysctl.conf
# Kernel sysctl configuration file for Red Hat Linux
#
# For binary values, 0 is disabled, 1 is enabled. See sysctl( and
# sysctl.conf(5) for more details.
```

```
# Disables packet forwarding
net.ipv4.ip_forward=1
```

```
# Disables IP source routing
net.ipv4.conf.all.accept_source_route = 0
net.ipv4.conf.lo.accept_source_route = 0
net.ipv4.conf.eth0.accept_source_route = 0
net.ipv4.conf.default.accept_source_route = 0
net.ipv4.conf.default.proxy_arp = 0
```

```
# Enable IP spoofing protection, turn on source route verification
net.ipv4.conf.all.rp_filter = 1
net.ipv4.conf.lo.rp_filter = 1
net.ipv4.conf.eth0.rp_filter = 1
net.ipv4.conf.default.rp_filter = 1
```

```
# Disable ICMP Redirect Acceptance
net.ipv4.conf.all.accept_redirects = 0
net.ipv4.conf.lo.accept_redirects = 0
net.ipv4.conf.eth0.accept_redirects = 0
net.ipv4.conf.default.accept_redirects = 0

# Enable Log Spoofed Packets, Source Routed Packets, Redirect Packets
net.ipv4.conf.all.log_martians = 0
net.ipv4.conf.lo.log_martians = 0
net.ipv4.conf.eth0.log_martians = 0

# Disables IP source routing
net.ipv4.conf.all.accept_source_route = 0
net.ipv4.conf.lo.accept_source_route = 0
net.ipv4.conf.eth0.accept_source_route = 0
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# Disable ICMP Redirect Acceptance
net.ipv4.conf.all.accept_redirects = 0
net.ipv4.conf.lo.accept_redirects = 0
net.ipv4.conf.eth0.accept_redirects = 0
net.ipv4.conf.default.accept_redirects = 0
net.ipv4.conf.default.send_redirects = 1
net.ipv4.conf.all.send_redirects = 0

# Disables the magic-sysrq key
kernel.sysrq = 1

# Decrease the time default value for tcp_fin_timeout connection
net.ipv4.tcp_fin_timeout = 15

# Decrease the time default value for tcp_keepalive_time connection
net.ipv4.tcp_keepalive_time = 1800

# Turn off the tcp_window_scaling
net.ipv4.tcp_window_scaling = 0

# Turn off the tcp_sack
net.ipv4.tcp_sack = 0

# Turn off the tcp_timestamps
```

net.ipv4.tcp\_timestamps = 0

# Enable TCP SYN Cookie Protection

net.ipv4.tcp\_syncookies = 1

# Enable ignoring broadcasts request

net.ipv4.icmp\_echo\_ignore\_broadcasts = 1

# Enable bad error message Protection

net.ipv4.icmp\_ignore\_bogus\_error\_responses = 1

# Log Spoofed Packets, Source Routed Packets, Redirect Packets

net.ipv4.conf.all.log\_martians = 1

# Increases the size of the socket queue (effectively, q0).

net.ipv4.tcp\_max\_syn\_backlog = 1024

# Increase the tcp-time-wait buckets pool size

net.ipv4.tcp\_max\_tw\_buckets = 1440000

# Allowed local port range

net.ipv4.ip\_local\_port\_range = 16384 65536

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