
Subject: Pound / iptables issue

Posted by [keenan](#) on Thu, 26 Apr 2012 10:32:17 GMT

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Hi,

I have a ProxMox setup with a couple OpenVZ guests on the 10.10.10.0 network. I have set up rules to forward SSH from other ports to the guests' 22 and everything is working as it should: I can SSH to both VMs, VMs see the internet, ping from the guest to the host works and vice versa, etc. I guess routing and iptables are not the problem here.

Now I want to set up pound so incoming HTTP traffic on the host port 80 redirects to port 80 on each machine depending on the URL.

My pound config is as follows:

```
ListenHTTP
    Address my_external_address
    Port 80
    xHTTP 0
    Service
        HeadRequire "Host:.*domain.com.*"
        BackEnd
            Address 10.10.10.4
            Port 80
        End
    End
End
ListenHTTP
    Address my_external_address
    Port 80
    xHTTP 0
    Service
        HeadRequire "Host:.*domain2.com.*"
        BackEnd
            Address 10.10.10.5
            Port 80
        End
    End
End
```

If I do "tcpdump port http and dst my_external_address", I can see packets are reaching the host just right:

```
12:26:31.608497 IP my_ip.55591 > my_external_host.www: S 3735442263:3735442263(0) win 8192 <mss 1452,nop,nop,sackOK>
```

tcpdump on the guest doesn't show anything though, so the problem is the redirection of the packets from the host to the guest.

Do I need to set up any other routes or something?

This is my netfilter configuration:

```
# iptables -t nat -L && iptables -t filter -L && iptables -t mang
Chain PREROUTING (policy ACCEPT)
target    prot opt source                destination              tcp dpt:10224 to:10.10.10.4:22
DNAT      tcp  -- anywhere              anywhere                 tcp dpt:10225 to:10.10.10.5:22
DNAT      tcp  -- anywhere              anywhere                 tcp dpt:10224 to:10.10.10.4:22
DNAT      tcp  -- anywhere              anywhere                 tcp dpt:10225 to:10.10.10.5:22

Chain POSTROUTING (policy ACCEPT)
target    prot opt source                destination              to:my_ip
SNAT      all  -- 10.10.10.0/24         anywhere                 to:my_ip
SNAT      all  -- 10.10.10.0/24         anywhere                 to:my_ip
SNAT      all  -- 10.10.10.0/24         anywhere                 to:my_ip

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)
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 POSTROUTING (policy ACCEPT)
target    prot opt source                destination
```

Subject: Re: Pound / iptables issue
Posted by [keenan](#) on Thu, 26 Apr 2012 18:21:30 GMT
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Oh, and I can redirect port 80 (and others) to port 80 on the VMs without any trouble.
