Subject: routing tables with openvz container
Posted by Wittiko on Tue, 06 Oct 2009 21:46:47 GMT
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i have two interfaces for some containers one for internal network and one for external network

my problem is that the extern interface gateway is the modem of my isp and the internal is my firewall/routing server

so i need two routing tables

i tried this with two routing tables

the problem was that every change in a container was applied to all containers

for example:

i did is this way:

echo "1 wan" >> /etc/iproute2/rt_tables
ip route add [WAN-NETWORK] dev eth0 src [WAN-IP] table wan
ip route add default via [WAN-GW] dev eth0 table wan
ip rule add from [WAN-IP]/32 table wan
ip rule add to [WAN-IP]/32 table wan

any solutions for this problem?

Subject: Re: routing tables with openvz container
Posted by maratrus on Fri, 09 Oct 2009 16:11:24 GMT
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Hello,

Quote:
the problem was that every change in a container was applied to all containers

but that is normal. If anything is done on the HN it might affect other containers.

I'm afraid I don't understand the problem completely. Could you please elaborate on it a little bit?

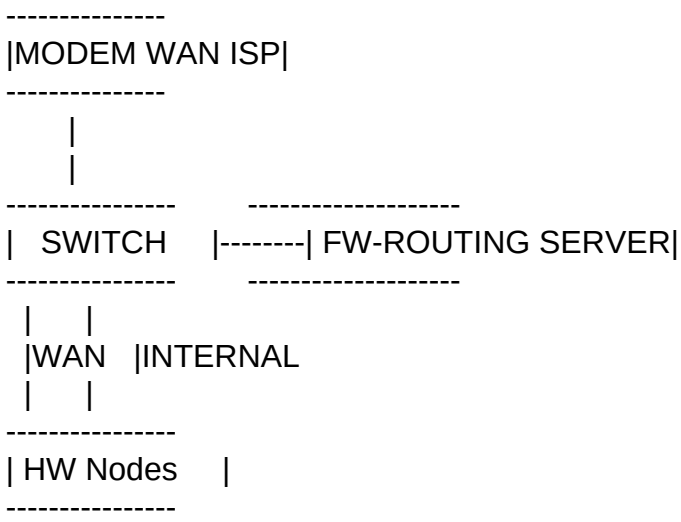
Subject: Re: routing tables with openvz container
Posted by Wittiko on Sun, 11 Oct 2009 12:33:33 GMT
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maratrus wrote on Fri, 09 October 2009 18:11Hello,

but that is normal. If anything is done on the HN it might affect other containers.

i do the changes inside a container not on the hardware node

here is the situation:



the wan subnets go over the switch direct to the modem but for the internal networks the traffic had to go over the fw

so i need two interfaces with two default gw
i think the only way to do this is with 2 routing tables
with the containers with only one interface (only with internal address) there are no problems but with containers with 2 interfaces there are problems with the internal networks or the server is not reachable from extern

i need a solution that the traffic which come from eth0 go out over eth0 and the traffic which come from eth1 go out over eth1

eth0 and eth1 are the interfaces inside of the container

i hope you can understand the situation now

Subject: Re: routing tables with openvz container
Posted by maratrus on Sat, 24 Oct 2009 10:28:40 GMT
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Hello Wittiko,

I'm terribly sorry for that big delay.
I do really hope the problem to be solved but if not
just let me share my thoughts:

- It seems that I understand what you want to achieve
-
Quote:
echo "1 wan" >> /etc/iproute2/rt_tables
ip route add [WAN-NETWORK] dev eth0 src [WAN-IP] table wan
ip route add default via [WAN-GW] dev eth0 table wan
ip rule add from [WAN-IP]/32 table wan
ip rule add to [WAN-IP]/32 table wan

Why do you need a default gateway record in wan table? The only case when a wan table is examined according to provided rules is when a network packet is addressed to WAN-IP/32 (a single ip address). So, because WAN-IP/32 is within WAN-NETWORK range, the packet will pass through eth0.
