Subject: VPS routing with venet0
Posted by galaxy on Thu, 11 Oct 2007 20:51:05 GMT
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I'm having an issue with routing between 3 machines, 2 with OpenVZ and one with Virtuozzo.

Machine A and B have OpenVZ, machine C has Virtuozzo.
I'll call the VPS's affected A1, B2 and C3 (each a VPS in
the associated hardware node A, B and C.

All hardware nodes have private addresses, VPS's have public IP's.
(fake IP's below:)

A has 10.0.0.86
B has 10.0.0.40
C has 10.0.0.50

All of them have a default route to 10.0.0.1.

A1 has 192.168.1.10
B2 has 192.168.1.20
B3 has 192.168.1.30

All VPS's are running SMTP servers on port 25.
All VPS's can ping all other VPS's.

A1 can connect to port 25 on both B2 and C3.
B2 can connect to port 25 on C3
C3 can connect to port 25 on B2

Neither B2 nor C3 can connect to port 25 on A1 and get the message "No route to host", but give a proper "Connection refused" to port 80 (no webserver, so thats correct) and they can ping. Its only routing via port 25 (or any valid port a service is listening to). There's no iptables or firewall running.

A has kernel 2.6.18-ovz028stab031.1-enterprise (open VZ)
B has kernel 2.6.8-022stab061.1-enterprise (open VZ)
C has kernel 2.6.9-023stab043.1-enterprise (virtuozzo)

So the problem is that B2 and C3 cannot connect to A1 services,
however any non-vz operating system (pure linux, solaris, cisco router, etc.) can connect to A1 services without a problem. It seems to only be affected by vps's connecting to this VPS.

A1 and B2 are both supposed to be inbound mail servers backing each other up, however I can't get to A1 from any other VPS on the network, only normal/regular hosts.

What am I missing?