Subject: network configuration problem - dumb device on eth0
Posted by mamos on Wed, 22 Feb 2006 12:29:39 GMT
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hello all,

situation - general overview:

machine with ovzkernel, two devices (eth0 public IP, eth1 private = 192.168.1.0/24) - act as a GW to the net with NAT support. I want to have one/two VPS for development purpose with private IP. eth0 is connected to cable modem.

The problem follow:
vzctl set 1001 --ipadd 192.168.1.100

behind vzctl is a small piece of script /usr/lib/vzctl/scripts/vps-net_add

from which I can see this error:

arpsend: 192.168.1.100 is detected on another computer : 00:0e:39:d0:20:70
vps-net_add WARNING: arpsend -c 1 -w 1 -D -e 192.168.1.100 eth0 FAILED

it's because the script is doing arpsend for every device which is NOT in "LOOPBACK|NOARP|SLAVE" statups

```
for DEV in $NETDEVICES; do
 ${ARPSEND_CMD} .....................
done
```

NETDEVICEs are detected by
ip link list | egrep -v -E "LOOPBACK|NOARP|SLAVE" | awk "/^[0-9].*:/&&/UP/ {print substr(\$2, 0, length(\$2)-1)}"

The root cause of this problem is a cable modem on the public side (MAC 00:0e:39:d0:20:70). This modem reply to every arpsend comming from eth0 with his MAC addr.

the arp table:
? (192.168.1.101) at * PERM PUP on eth1
? (192.168.1.101) at * PERM PUP on eth0

and routing table:

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
192.168.1.101	0.0.0.0	255.255.255.255	UH	0	0	0	venet0
192.168.1.0	0.0.0.0	255.255.255.0	U	0	0	0	eth1
pub-net	0.0.0.0	255.255.240.0	U	0	0	0	eth0
169.254.0.0	0.0.0.0	255.255.0.0	U	0	0	0	eth1
0.0.0.0	pub-net-gw	0.0.0.0	UG	0	0	0	eth0

Any tips how to fix this issue before I will try to modify the startup script?

thank you for and hint with this very specific problem.