
Subject: VEs periodically drop offline, while host remains online

Posted by [vpsjohn](#) on Wed, 24 Nov 2010 21:21:45 GMT

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I have two OpenVZ servers running on CentOS 5.5 (vmlinuz-2.6.18-194.17.1.el5.028stab070.7)

Lately I've been observing that all the VEs on both servers will periodically drop offline for 1-2 minutes (as observed by pinging the VE IP address from an outside network) while the Host boxes remain online during the time. The VEs stay up and running - just their network drops off

Both the Host and the VEs are in the same network range. The Host servers are configured to have eth0 be the internal network, and eth1 be the external network. The only explanation I can think of right now is maybe VEs are sending their traffic through eth0 and having to have it bridged back to eth1 to get out and it is hitting congestion. I say that because the VEs on both servers drop offline at about the same time. This is happening once every hour or so.

Any ideas would be greatly appreciated.

ifcfg-eth0:

```
DEVICE=eth0
BOOTPROTO=none
HWADDR=00:26:44:28:49:3B
IPADDR=10.1.1.113
NETMASK=255.255.255.0
ONBOOT=yes
TYPE=Ethernet
```

ifcfg-eth1:

```
DEVICE=eth1
BOOTPROTO=none
BROADCAST=73.108.2.255
HWADDR=00:26:55:18:49:2A
IPADDR=73.108.2.170
NETMASK=255.255.255.128
NETWORK=173.208.102.128
GATEWAY=173.208.102.129
```

ifcfg-vnet0

```
DEVICE=venet0
ONBOOT=yes
STARTMODE=onboot
```

ip rule list

```
0: from all lookup 255
32766: from all lookup main
32767: from all lookup default
```

ip route list table all

```
73.108.2.132 dev venet0 scope link
73.108.2.133 dev venet0 scope link
73.108.2.134 dev venet0 scope link
73.108.2.135 dev venet0 scope link
73.108.2.130 dev venet0 scope link
73.108.2.131 dev venet0 scope link
73.108.2.140 dev venet0 scope link
73.108.2.141 dev venet0 scope link
73.108.2.142 dev venet0 scope link
73.108.2.143 dev venet0 scope link
73.108.2.136 dev venet0 scope link
73.108.2.139 dev venet0 scope link
73.108.2.148 dev venet0 scope link
73.108.2.149 dev venet0 scope link
73.108.2.150 dev venet0 scope link
73.108.2.151 dev venet0 scope link
73.108.2.144 dev venet0 scope link
73.108.2.147 dev venet0 scope link
73.108.2.173 dev venet0 scope link
73.108.2.172 dev venet0 scope link
73.108.2.175 dev venet0 scope link
73.108.2.174 dev venet0 scope link
73.108.2.171 dev venet0 scope link
73.108.2.181 dev venet0 scope link
73.108.2.180 dev venet0 scope link
73.108.2.183 dev venet0 scope link
73.108.2.182 dev venet0 scope link
73.108.2.177 dev venet0 scope link
73.108.2.176 dev venet0 scope link
73.108.2.179 dev venet0 scope link
73.108.2.178 dev venet0 scope link
73.108.2.189 dev venet0 scope link
73.108.2.188 dev venet0 scope link
73.108.2.191 dev venet0 scope link
73.108.2.190 dev venet0 scope link
73.108.2.185 dev venet0 scope link
73.108.2.184 dev venet0 scope link
73.108.2.187 dev venet0 scope link
73.108.2.186 dev venet0 scope link
73.108.2.192 dev venet0 scope link
73.108.2.193 dev venet0 scope link
73.108.2.128/25 dev eth1 proto kernel scope link src 73.108.2.170
10.1.1.0/24 dev eth0 proto kernel scope link src 10.1.1.113
169.254.0.0/16 dev eth1 scope link
default via 73.108.2.129 dev eth1
broadcast 127.255.255.255 dev lo table 255 proto kernel scope link src 127.0.0.1
broadcast 73.108.2.128 dev eth1 table 255 proto kernel scope link src 73.108.2.170
```

```
broadcast 10.1.1.255 dev eth0 table 255 proto kernel scope link src 10.1.1.113
broadcast 73.108.2.255 dev eth1 table 255 proto kernel scope link src 73.108.2.170
local 10.1.1.113 dev eth0 table 255 proto kernel scope host src 10.1.1.113
broadcast 127.0.0.0 dev lo table 255 proto kernel scope link src 127.0.0.1
local 73.108.2.170 dev eth1 table 255 proto kernel scope host src 73.108.2.170
broadcast 10.1.1.0 dev eth0 table 255 proto kernel scope link src 10.1.1.113
local 127.0.0.1 dev lo table 255 proto kernel scope host src 127.0.0.1
local 127.0.0.0/8 dev lo table 255 proto kernel scope host src 127.0.0.1
fe80::/64 dev eth0 metric 256 expires 21240755sec mtu 1500 advmss 1440 hoplimit
4294967295
fe80::/64 dev eth1 metric 256 expires 21240755sec mtu 1500 advmss 1440 hoplimit
4294967295
unreachable default dev lo table unspec proto none metric -1 error -101 hoplimit 255
local ::1 via :: dev lo table 255 proto none metric 0 mtu 16436 advmss 16376 hoplimit
4294967295
local fe80:: via :: dev lo table 255 proto none metric 0 mtu 16436 advmss 16376 hoplimit
4294967295
local fe80:: via :: dev lo table 255 proto none metric 0 mtu 16436 advmss 16376 hoplimit
4294967295
local fe80::226:55ff:fe18:494e via :: dev lo table 255 proto none metric 0 mtu 16436 advmss
16376 hoplimit 4294967295
local fe80::226:55ff:fe18:494f via :: dev lo table 255 proto none metric 0 mtu 16436 advmss
16376 hoplimit 4294967295
ff02::1:2 via ff02::1:2 dev eth0 metric 0
    cache mtu 1500 advmss 1440 hoplimit 4294967295
ff00::/8 dev eth0 table 255 metric 256 expires 21240755sec mtu 1500 advmss 1440 hoplimit
4294967295
ff00::/8 dev eth1 table 255 metric 256 expires 21240755sec mtu 1500 advmss 1440 hoplimit
4294967295
unreachable default dev lo table unspec proto none metric -1 error -101 hoplimit 255
```