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Subject: network issue - vps stop responding intermittently

Posted by [rizz](#) on Mon, 05 Apr 2010 21:38:23 GMT

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We are facing this problem on many of our openvz nodes running solusvm.

The simple problem description is below :

VPSs on these nodes stop responding intermittently, we have tried different kernels both PAE and enterprise and are seeing this issue on all of these.

During this time the node is always accessible and its only vpss that stop responding , some time all VPSs on the node, some time limited vpss. Restarting the service VZ fixes the problem , for few hours or few days, its totally intermittent with no fix interval of repetition.

We setup a fake arp send in cron to run every 5 min, but that did not resolve the problem either.

Some of the kernels we have tried so far :

-Linux xxx.xxxxx.com 2.6.18-164.11.1.el5.028stab068.3PAE #1 SMP Thu Feb 18 06:30:33 MSK 2010 i686 i686 i386 GNU/Linux

-Linux yyy.yyyyy.com 2.6.18-164.2.1.el5.028stab066.10ent #1 SMP Mon Jan 25 13:43:01 EST 2010 i686 i686 i386 GNU/Linux

-Linux zzz.zzzzz.com 2.6.18-164.11.1.el5.028stab068.5ent #1 SMP Mon Mar 15 19:36:15 MSK 2010 i686 i686 i386 GNU/Linux

The sysctl config is same as mentioned at [http://wiki.openvz.org/Quick\\_installation#sysctl](http://wiki.openvz.org/Quick_installation#sysctl)

iptables and all other info is default with no customizations , below is more info from node running 028stab068.3PAE :

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ip rule list

0: from all lookup 255

32766: from all lookup main

32767: from all lookup default

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iptables -t nat -L && iptables -t filter -L && iptables -t mangle -L

Chain PREROUTING (policy ACCEPT)

|        |      |     |        |             |
|--------|------|-----|--------|-------------|
| target | prot | opt | source | destination |
|--------|------|-----|--------|-------------|

Chain POSTROUTING (policy ACCEPT)

|        |      |     |        |             |
|--------|------|-----|--------|-------------|
| target | prot | opt | source | destination |
|--------|------|-----|--------|-------------|

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             |
|--------|------|-----|-------------------------|-------------------------|
|        | all  | --  | X.X.142.47              | anywhere                |
|        | all  | --  | anywhere                | X.X.142.47              |
|        | all  | --  | somevps.vpshostname.net | anywhere                |
|        | all  | --  | anywhere                | somevps.vpshostname.net |
|        | all  | --  | X.X.143.36              | anywhere                |
|        | all  | --  | anywhere                | X.X.143.36              |
|        | all  | --  | X.X.143.36              | anywhere                |
|        | all  | --  | anywhere                | X.X.143.36              |
|        | all  | --  | X.X.143.57              | anywhere                |
|        | all  | --  | anywhere                | X.X.143.57              |

#### 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 |
|--------|------|-----|--------|-------------|
|--------|------|-----|--------|-------------|

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#### ip route list table all

|            |            |            |
|------------|------------|------------|
| X.X.142.54 | dev venet0 | scope link |
| X.X.143.62 | dev venet0 | scope link |
| X.X.142.55 | dev venet0 | scope link |
| X.X.143.60 | dev venet0 | scope link |
| X.X.142.52 | dev venet0 | scope link |
| X.X.142.53 | dev venet0 | scope link |
| X.X.143.61 | dev venet0 | scope link |
| X.X.143.58 | dev venet0 | scope link |
| X.X.142.50 | dev venet0 | scope link |
| X.X.143.59 | dev venet0 | scope link |
| X.X.142.51 | dev venet0 | scope link |
| X.X.142.48 | dev venet0 | scope link |
| X.X.143.56 | dev venet0 | scope link |

X.X.143.57 dev venet0 scope link  
X.X.142.49 dev venet0 scope link  
X.X.143.54 dev venet0 scope link  
X.X.143.55 dev venet0 scope link  
X.X.143.52 dev venet0 scope link  
X.X.142.60 dev venet0 scope link  
X.X.143.53 dev venet0 scope link  
X.X.142.61 dev venet0 scope link  
X.X.142.58 dev venet0 scope link  
X.X.143.50 dev venet0 scope link  
X.X.143.51 dev venet0 scope link  
X.X.142.59 dev venet0 scope link  
X.X.142.56 dev venet0 scope link  
X.X.143.48 dev venet0 scope link  
X.X.142.57 dev venet0 scope link  
X.X.143.49 dev venet0 scope link  
X.X.143.46 dev venet0 scope link  
X.X.142.38 dev venet0 scope link  
X.X.143.47 dev venet0 scope link  
X.X.142.39 dev venet0 scope link  
X.X.143.44 dev venet0 scope link  
X.X.143.45 dev venet0 scope link  
X.X.143.42 dev venet0 scope link  
X.X.142.34 dev venet0 scope link  
X.X.143.43 dev venet0 scope link  
X.X.143.40 dev venet0 scope link  
X.X.142.32 dev venet0 scope link  
X.X.143.41 dev venet0 scope link  
X.X.142.33 dev venet0 scope link  
X.X.143.38 dev venet0 scope link  
X.X.142.46 dev venet0 scope link  
X.X.142.47 dev venet0 scope link  
X.X.143.39 dev venet0 scope link  
X.X.143.36 dev venet0 scope link  
X.X.142.44 dev venet0 scope link  
X.X.143.37 dev venet0 scope link  
X.X.142.45 dev venet0 scope link  
X.X.142.42 dev venet0 scope link  
X.X.143.34 dev venet0 scope link  
X.X.142.43 dev venet0 scope link  
X.X.143.35 dev venet0 scope link  
X.X.143.32 dev venet0 scope link  
X.X.142.40 dev venet0 scope link  
X.X.142.41 dev venet0 scope link  
X.X.143.33 dev venet0 scope link  
X.X.143.31 dev venet0 scope link  
X.X.143.30 dev venet0 scope link  
X.X.143.29 dev venet0 scope link

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X.X.143.28 dev venet0 scope link
X.X.143.27 dev venet0 scope link
X.X.143.23 dev venet0 scope link
X.X.143.22 dev venet0 scope link
X.X.143.21 dev venet0 scope link
X.X.143.20 dev venet0 scope link
X.X.143.19 dev venet0 scope link
X.X.143.18 dev venet0 scope link
X.X.143.17 dev venet0 scope link
X.X.143.16 dev venet0 scope link
X.X.143.15 dev venet0 scope link
X.X.143.14 dev venet0 scope link
X.X.143.13 dev venet0 scope link
X.X.143.12 dev venet0 scope link
X.X.143.11 dev venet0 scope link
X.X.143.10 dev venet0 scope link
X.X.143.9 dev venet0 scope link
X.X.143.8 dev venet0 scope link
X.X.143.7 dev venet0 scope link
X.X.143.6 dev venet0 scope link
X.X.143.5 dev venet0 scope link
X.X.143.4 dev venet0 scope link
X.X.143.3 dev venet0 scope link
X.X.142.0/23 dev eth0 proto kernel scope link src X.X.143.2
169.254.0.0/16 dev eth0 scope link
default via X.X.143.1 dev eth0
broadcast 127.255.255.255 dev lo table 255 proto kernel scope link src 127.0.0.1
broadcast X.X.142.0 dev eth0 table 255 proto kernel scope link src X.X.143.2
broadcast X.X.143.255 dev eth0 table 255 proto kernel scope link src X.X.143.2
local X.X.143.2 dev eth0 table 255 proto kernel scope host src X.X.143.2
broadcast 127.0.0.0 dev lo table 255 proto kernel scope link src 127.0.0.1
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 21061605sec 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 rtt 10ms rttvar 10ms cwnd 75
advmss 16376 hoplimit 4294967295
local fe80:: via :: dev lo table 255 proto none metric 0 mtu 16436 advmss 16376 hoplimit
4294967295
local fe80::230:48ff:febf:61d8 via :: dev lo table 255 proto none metric 0 mtu 16436 advmss
16376 hoplimit 4294967295
ff00::/8 dev eth0 table 255 metric 256 expires 21061605sec mtu 1500 advmss 1440 hoplimit
4294967295
unreachable default dev lo table unspec proto none metric -1 error -101 hoplimit 255
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arp -n

| Address    | HWtype | HWaddress         | Flags | Mask | Iface |
|------------|--------|-------------------|-------|------|-------|
| X.X.143.1  | ether  | 00:0E:D6:B5:9C:00 | C     |      | eth0  |
| X.X.142.57 | *      | *                 | MP    | eth0 |       |
| X.X.143.11 | *      | *                 | MP    | eth0 |       |
| X.X.142.40 | *      | *                 | MP    | eth0 |       |
| X.X.143.56 | *      | *                 | MP    | eth0 |       |
| X.X.143.41 | *      | *                 | MP    | eth0 |       |
| X.X.143.57 | *      | *                 | MP    | eth0 |       |
| X.X.142.56 | *      | *                 | MP    | eth0 |       |
| X.X.143.10 | *      | *                 | MP    | eth0 |       |
| X.X.143.27 | *      | *                 | MP    | eth0 |       |
| X.X.142.41 | *      | *                 | MP    | eth0 |       |
| X.X.143.40 | *      | *                 | MP    | eth0 |       |
| X.X.143.58 | *      | *                 | MP    | eth0 |       |
| X.X.143.9  | *      | *                 | MP    | eth0 |       |
| X.X.143.43 | *      | *                 | MP    | eth0 |       |
| X.X.142.42 | *      | *                 | MP    | eth0 |       |
| X.X.142.59 | *      | *                 | MP    | eth0 |       |
| X.X.143.59 | *      | *                 | MP    | eth0 |       |
| X.X.142.58 | *      | *                 | MP    | eth0 |       |
| X.X.143.42 | *      | *                 | MP    | eth0 |       |
| X.X.142.43 | *      | *                 | MP    | eth0 |       |
| X.X.143.8  | *      | *                 | MP    | eth0 |       |
| X.X.142.44 | *      | *                 | MP    | eth0 |       |
| X.X.143.60 | *      | *                 | MP    | eth0 |       |
| X.X.143.30 | *      | *                 | MP    | eth0 |       |
| X.X.142.61 | *      | *                 | MP    | eth0 |       |
| X.X.143.45 | *      | *                 | MP    | eth0 |       |
| X.X.143.15 | *      | *                 | MP    | eth0 |       |
| X.X.143.14 | *      | *                 | MP    | eth0 |       |
| X.X.142.45 | *      | *                 | MP    | eth0 |       |
| X.X.143.44 | *      | *                 | MP    | eth0 |       |
| X.X.143.61 | *      | *                 | MP    | eth0 |       |
| X.X.143.31 | *      | *                 | MP    | eth0 |       |
| X.X.142.60 | *      | *                 | MP    | eth0 |       |
| X.X.143.13 | *      | *                 | MP    | eth0 |       |
| X.X.142.46 | *      | *                 | MP    | eth0 |       |
| X.X.143.28 | *      | *                 | MP    | eth0 |       |
| X.X.143.62 | *      | *                 | MP    | eth0 |       |
| X.X.143.47 | *      | *                 | MP    | eth0 |       |
| X.X.143.12 | *      | *                 | MP    | eth0 |       |
| X.X.142.47 | *      | *                 | MP    | eth0 |       |
| X.X.143.29 | *      | *                 | MP    | eth0 |       |
| X.X.143.46 | *      | *                 | MP    | eth0 |       |
| X.X.142.49 | *      | *                 | MP    | eth0 |       |
| X.X.143.3  | *      | *                 | MP    | eth0 |       |

|            |   |   |    |      |
|------------|---|---|----|------|
| X.X.142.32 | * | * | MP | eth0 |
| X.X.143.48 | * | * | MP | eth0 |
| X.X.143.33 | * | * | MP | eth0 |
| X.X.143.18 | * | * | MP | eth0 |
| X.X.142.48 | * | * | MP | eth0 |
| X.X.143.32 | * | * | MP | eth0 |
| X.X.142.33 | * | * | MP | eth0 |
| X.X.143.19 | * | * | MP | eth0 |
| X.X.142.51 | * | * | MP | eth0 |
| X.X.142.34 | * | * | MP | eth0 |
| X.X.143.50 | * | * | MP | eth0 |
| X.X.143.35 | * | * | MP | eth0 |
| X.X.143.16 | * | * | MP | eth0 |
| X.X.143.51 | * | * | MP | eth0 |
| X.X.142.50 | * | * | MP | eth0 |
| X.X.143.34 | * | * | MP | eth0 |
| X.X.143.17 | * | * | MP | eth0 |
| X.X.142.53 | * | * | MP | eth0 |
| X.X.143.52 | * | * | MP | eth0 |
| X.X.143.37 | * | * | MP | eth0 |
| X.X.143.22 | * | * | MP | eth0 |
| X.X.143.7  | * | * | MP | eth0 |
| X.X.143.53 | * | * | MP | eth0 |
| X.X.143.36 | * | * | MP | eth0 |
| X.X.143.23 | * | * | MP | eth0 |
| X.X.142.52 | * | * | MP | eth0 |
| X.X.143.6  | * | * | MP | eth0 |
| X.X.142.55 | * | * | MP | eth0 |
| X.X.143.5  | * | * | MP | eth0 |
| X.X.142.38 | * | * | MP | eth0 |
| X.X.143.54 | * | * | MP | eth0 |
| X.X.143.39 | * | * | MP | eth0 |
| X.X.143.20 | * | * | MP | eth0 |
| X.X.142.54 | * | * | MP | eth0 |
| X.X.143.38 | * | * | MP | eth0 |
| X.X.143.21 | * | * | MP | eth0 |
| X.X.143.4  | * | * | MP | eth0 |
| X.X.142.39 | * | * | MP | eth0 |
| X.X.143.55 | * | * | MP | eth0 |

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Would really appreciate any help on this, as this is becoming a real show stopper.

Thanks.