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Subject: **\*BUG REPORTED\*** Cannot configure VRRPD inside a VE

Posted by [oviney](#) on Fri, 11 May 2007 17:42:11 GMT

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Hi All:

I have recently been testing VRRPD () on a RHEL4 update 4 VE and ran into the following error when trying to configure...

Error:

```
<snippet>  
cant open raw socket. errno=97. (try to run it as root)  
</snippet>
```

Here is the command that I ran:

```
<snippet>  
vrrpd -i eth0 -p 25 -v 1 172.17.8.181  
</snippet>
```

So at a first guess, it would appear that the VE doesn't have promiscuous access to the Ethernet device.

Any help would be much appreciated.

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Subject: Re: Cannot configure VRRPD inside a VE

Posted by [Vasily Tarasov](#) on Mon, 14 May 2007 08:42:57 GMT

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Hello,

How do you use the network from your VE? I mean, do you have a veth device or venet or probably you utilize a real network card in VE using --netdev\_add option?

Thank you.

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Subject: Re: Cannot configure VRRPD inside a VE

Posted by [oviney](#) on Mon, 14 May 2007 13:31:57 GMT

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Hi:

Inside the VE we are using a real device using the following command:

```
vzctl set ${VPS_UID} --netif_add eth0 --hostname ${VPS_HOSTNAME} --save
```

Here is a view of the network config:

```
[root@caotta000807lvz-1 ~]# ifconfig
eth0    Link encap:Ethernet  HWaddr 00:18:51:AA:3B:B0
        inet addr:172.17.8.185  Bcast:172.17.8.255  Mask:255.255.255.0
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:219407258 errors:0 dropped:0 overruns:0 frame:0
        TX packets:22664160 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:4058108292 (3.7 GiB)  TX bytes:2943543110 (2.7 GiB)

lo      Link encap:Local Loopback
        inet addr:127.0.0.1  Mask:255.0.0.0
        UP LOOPBACK RUNNING  MTU:16436  Metric:1
        RX packets:1404231735 errors:0 dropped:0 overruns:0 frame:0
        TX packets:1805380421 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:2380079327 (2.2 GiB)  TX bytes:2334986944 (2.1 GiB)
```

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Subject: Re: Cannot configure VRRPD inside a VE  
Posted by [Vasily Tarasov](#) on Mon, 14 May 2007 13:42:40 GMT  
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Can you please, strace vrrpd ([http://wiki.openvz.org/Stracing\\_a\\_program](http://wiki.openvz.org/Stracing_a_program)) and send the output to us.

Thank you!

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Subject: Re: Cannot configure VRRPD inside a VE  
Posted by [Tellerdreher](#) on Mon, 04 Jun 2007 12:15:36 GMT  
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I do not use vrrpd but keepalived and have the same problem. The process cannot open the socket to send the multicast VRRP keepalive messages:

```
Jun  4 14:10:21 keepalived1 Keepalived_vrrp: cant open raw socket. errno=97
```

```
[pid 32119] socket(PF_INET, SOCK_RAW, 0x70 /* IPPROTO_??? */) = -1 EAFNOSUPPORT
(Address family not supported by protocol)
```

I am using 2.6.18-8.1.3.el5.028stab033.1

PS: /etc/protocols: 0x70 == 112 == VRRP

PPS: I think here is the "problem" (net/socket.c):

```
int vz_security_proto_check(int family, int type, int protocol)
```

```
...
    switch (family) {
    case PF_UNSPEC:
    case PF_PACKET:
    case PF_NETLINK:
    case PF_UNIX:
        break;
    case PF_INET:
        switch (protocol) {
        case IPPROTO_IP:
        case IPPROTO_ICMP:
        case IPPROTO_TCP:
        case IPPROTO_UDP:
        case IPPROTO_RAW:
            break;
        default:
            return -EAFNOSUPPORT;
        }
        break;
    }
...

```

Is this really only a security check (you can only open sockets with protocol == 0(ip), 1(icmp), 6(tcp), 17(udp), 255(??) inside a VE)? Shouldn't this be configurable (with a Capability or so)?

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Subject: Re: Cannot configure VRRPD inside a VE  
Posted by [Vasily Tarasov](#) on Wed, 06 Jun 2007 15:24:18 GMT  
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Hello, I consider such situation as a BUG, can you please report about it to bugzilla?

Thanks,  
Vasily.

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Subject: Re: Cannot configure VRRPD inside a VE  
Posted by [Tellerdreher](#) on Thu, 07 Jun 2007 07:13:07 GMT  
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Hi,

opened as [http://bugzilla.openvz.org/show\\_bug.cgi?id=611](http://bugzilla.openvz.org/show_bug.cgi?id=611)

Thanks!

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