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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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