
Subject: LVS and openvz

Posted by [ebasley](#) on Tue, 16 Dec 2008 15:13:12 GMT

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got a huge problem with openvz and LVS.

take 2 nodes with Linux version 2.6.26-1-openvz-686 (Debian 2.6.26-11), one (vz1) has ldirectord on CT0 and one VE (ve1), next (vz2) has just one VE (ve2).

if ldirectord (from vz1) is directing traffic to vz2 : all work fine, but if traffic is redirected to local CT0 (vz1) kernel thread ksoftirqd takes 100% of the cpu and nothing else happens !

With tcpdump we can see numerous paquets forwarded to ve1, something similar to a loop !!

setup :

VZ1 :

```
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue state UNKNOWN
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP qlen 1000
    link/ether 00:1f:29:0e:f9:4b brd ff:ff:ff:ff:ff:ff
    inet6 fe80::21f:29ff:fe0e:f94b/64 scope link
        valid_lft forever preferred_lft forever
3: br0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UNKNOWN

    link/ether 00:1f:29:0e:f9:4b brd ff:ff:ff:ff:ff:ff
    inet 192.168.2.22/24 brd 192.168.2.255 scope global br0
    inet 192.168.2.206/32 scope global br0
    inet6 fe80::21f:29ff:fe0e:f94b/64 scope link
        valid_lft forever preferred_lft forever
11: veth213.0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UNKNOWN
    link/ether 00:18:51:46:62:00 brd ff:ff:ff:ff:ff:ff
    inet6 fe80::218:51ff:fe46:6200/64 scope link
        valid_lft forever preferred_lft forever
```

/etc/network/interfaces :

```
auto br0
```

```
iface br0 inet static
```

```
address 192.168.2.22
netmask 255.255.255.0
network 192.168.2.0
broadcast 192.168.2.255
gateway 192.168.2.250
bridge_ports eth0
```

veth, eth0 are bridged in br0.
LVZ VIP (192.168.2.206) is supported by br0

ve1:

```
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue state UNKNOWN
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
    inet 192.168.2.206/32 scope global lo
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever

3: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state
UNKNOWN
    link/ether 00:18:51:59:12:98 brd ff:ff:ff:ff:ff:ff
    inet 192.168.2.213/24 brd 192.168.2.255 scope global eth0
    inet6 fe80::218:51ff:fe59:1298/64 scope link
        valid_lft forever preferred_lft forever
```

```
/etc/network/interfaces :
auto lo
iface lo inet loopback
post-up /bin/ip addr add 192.168.2.206 dev lo
```

```
auto eth0
iface eth0 inet static
    address 192.168.2.213
    netmask 255.255.255.0
    gateway 192.168.2.250
dns-nameservers 194.2.0.20 195.68.0.1
dns-search hdf-finance.fr
post-up /sbin/sysctl -w net.ipv4.conf.eth0.arp_ignore="1"
post-up /sbin/sysctl -w net.ipv4.conf.eth0.arp_announce="2"
```

Help will be wellcome.

Thanks

Eric
