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Subject: LVS-tun with OpenVZ

Posted by [ingtar](#) on Mon, 14 Apr 2014 17:52:37 GMT

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Hello! Please, give me some tips or solution with this problem:

I try to build LVS balancer with single LVS machine (separate) and 2 OpenVZ containers (each in separate nodes)

LVS mode is Tun (NAT is working fine, but i think tun is much better)

Virtual Address for LVS = 10.0.0.10

IP\_Real\_Server1 = 10.0.0.100

IP\_Real\_Server2 = 10.0.0.101

Client IP = 10.0.0.200

In containers i add special device for tun traffic -

```
ip addr add dev tunl0 10.0.0.10/32 brd 10.0.0.10
```

Other interfaces is lo and venet0.

Like this [ustintek.com/LVS/LVS-HOWTO/HOWTO/LVS-HOWTO.LVS-DR.html](http://ustintek.com/LVS/LVS-HOWTO/HOWTO/LVS-HOWTO.LVS-DR.html)

So, when i try to get my 10.0.0.10, my networking way looks like this:

Requests goes to VIP on LVS, incapsulate into packages to IP\_Real\_Server, goes to Real Servers, tunl0 get this package, open it, make reply and this all...

I can see incoming packages on tunl0 in container, i can see outgoing packages on venet0 interface INSIDE container, but on venet0 in node - nothing...

So tcpdump in container show me this:

```
tcpdump -i venet0 host 10.0.0.200
```

```
0:38:48.795082 IP 10.0.0.10.http > 10.0.0.200.45003: Flags [R.], seq 0, ack 101263465, win 0, length 0
```

```
20:38:49.390828 IP 10.0.0.10.http > 10.0.0.200.45362: Flags [R.], seq 0, ack 914500130, win 0, length 0
```

Does it real to make LVS-tun in OpenVZ?

It looks like venet0 cant working with traffic from unknown source, or what?

Please, give me a tip

Inside container i add this parameters:

```
For all interfaces in /proc/sys/net/ipv4/conf/*/rp_filter set 0
```

My kernel version 2.6.32-042stab085.17 and distro is CentOS 6.5

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