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Subject: Adding external (eth0:0) IP to VE - misunderstanding of networking modes

Posted by [Rex\\_GER](#) on Thu, 28 Jun 2012 02:23:12 GMT

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Hello,

i have an dedicated server (here are quotes from my test-instance which has nearly same architecture), the one and only ip is an external and that is assigned to eth0:  
(let's assume the locale IPs are externals)

```
[root@cent64openvz1 ~]# cat /etc/sysconfig/network-scripts/ifcfg-eth0
DEVICE="eth0"
BOOTPROTO="static"
BROADCAST="172.16.255.255"
DNS1="172.16.250.11"
GATEWAY="172.16.250.10"
HWADDR="00:15:5D:B2:64:18"
IPADDR="172.16.253.1"
NETMASK="255.255.0.0"
NM_CONTROLLED="yes"
ONBOOT="yes"
TYPE="Ethernet"
```

Now the hoster provides IP-Aliases, which have to be assigned that way (they told me on the phone):

```
[root@cent64openvz1 ~]# cat /etc/sysconfig/network-scripts/ifcfg-eth0:1
DEVICE="eth0:1"
ONBOOT="yes"
BOOTPROTO="none"
IPADDR=172.16.253.200
NETMASK="255.255.0.0"
```

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If i ping 172.16.253.200 from other Clients, they get an answer. My existing container got their ip-adress via vzctl set ve\_id --ipadd .... (i noticed inside the ve via ifconfig the ip is assigned to venet..

if i tracert to an container-ip, i see 2 entries - 1st the hwnode, 2nd the ve-ip  
if i tracert to the "ip alias" (eth0:1) i see only that ip... seems to work...

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On which way do i have to assign this ip (172.16.253.200) to a Container i created recently but i haven't assigned an IP so far? And which settings do i have to set that my container can ping outside, resolve hostnames and so on? I have some understanding problems where to set what settings... (where DNS and/or Gateway? what about the 'route' entries?)

Thanks in Advance for your Replies!

Regards  
Dennis

edit:

```
[root@cent64openvz1 ~]# route
```

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
172.16.253.35	*	255.255.255.255	UH	0	0	0	venet0
172.16.253.20	*	255.255.255.255	UH	0	0	0	venet0
172.16.253.10	*	255.255.255.255	UH	0	0	0	venet0
172.16.253.40	*	255.255.255.255	UH	0	0	0	venet0
172.16.253.200	*	255.255.255.255	UH	0	0	0	venet0
172.16.253.30	*	255.255.255.255	UH	0	0	0	venet0
link-local	*	255.255.0.0	U	1002	0	0	eth0
172.16.0.0	*	255.255.0.0	U	0	0	0	eth0
default	svr08r2router1.	0.0.0.0	UG	0	0	0	eth0

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