
Subject: Re: How to assign a public IP to a VE ? (SOLVED)

Posted by [U.Mutlu](#) on Sun, 30 Oct 2011 16:04:49 GMT

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U.Mutlu wrote, On 2011-10-30 13:12:

> Problem solved!

> (problem was how to assign a public IP to a VE)

>

> It was a firewall issue on the HN, because in my firewall script
> the default iptables target for FORWARD was set to DROP. After changing
> this to ACCEPT things work fine.

> (now I must recheck my security guidelines on whether and which other
> implications this change can have...)

>

> ie. the solution was to change this from

> iptables -P FORWARD DROP

> to

> iptables -P FORWARD ACCEPT

> (for testing one can of course also completely disable the iptables firewall)

Now I improved the above solution to this more secure solution:

```
iptables -P FORWARD DROP
```

```
iptables -A FORWARD -s w.x.y.z -j ACCEPT
```

```
iptables -A FORWARD -d w.x.y.z -j ACCEPT
```

where w.x.y.z is the IP for the VE.

(I could have also make it "w.x.y.z/24" but IMO it's not necessary
since no broadcasts are supposed to go over that link).

> And do not assign the IP in question to the HN, rather just

> let it assign/manage by vzctl when it creates/starts the VE.

>

> This solution uses the default venet0 only, ie. no veth, no bridging etc.,
> no "source routing via kernel routing table" etc., not even any additional normal routing! :-)
> (Beware: there is much garbage info floating around on the net about the venet0 device;
> maybe this is due to very old versions of vzctl used...)

>

> My environment:

> HN: Debian 6 (squeeze), but using a newer vzctl from either the upcoming Debian 7
(wheezy/testing)

> or from <http://download.openvz.org/utls/vzctl/current/>; I've vzctl version 3.0.29.3.

> Kernel: 2.6.32-5-openvz-amd64 (linux-image-2.6.32-5-openvz-amd64 from the debian
repository)

> VE: debian-6.0-i386-minimal from <http://wiki.openvz.org/Download/template/precreated>

> (I so far tested only this one, the other ones should work too I think)

>

> People still having problems setting up openvz can contact me ([help @ mutluit.com](mailto:help@mutluit.com))

> if having a similar environment (ie. Debian 6 on HN+VE, using venet, not veth),

> maybe I can help if time permits...

>

> --

> U.Mutlu

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