
Subject: networking with debian based templates
Posted by [vzjay](#) on Tue, 29 Jan 2008 17:07:47 GMT
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Hello *,

I'm trying to use the following templates:

```
debian-4.0-i386-minimal
ubuntu-7.10-i386-minimal
```

After creating the VEs by:

```
vzctl create 114 --ostemplate debian-4.0--i386-minimal --config vps.1
vzctl set 114 --hostname blah.somedomain.com --save
vzctl set 114 --ipadd public.ip.add.ress --save
vzctl set 114 --nameserver 4.2.2.1 --save
vzctl start 114
vzctl enter 114
```

```
root@localhost:/# ifconfig
```

```
lo      Link encap:Local Loopback
        inet addr:127.0.0.1  Mask:255.0.0.0
        inet6 addr: ::1/128 Scope:Host
        UP LOOPBACK RUNNING  MTU:16436  Metric:1
        RX packets:0 errors:0 dropped:0 overruns:0 frame:0
        TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:0 (0.0 b)  TX bytes:0 (0.0 b)
```

```
venet0  Link encap:UNSPEC  HWaddr
00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        inet addr:127.0.0.1  P-t-P:127.0.0.1  Bcast:0.0.0.0
Mask:255.255.255.255
        UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
        RX packets:0 errors:0 dropped:0 overruns:0 frame:0
        TX packets:7 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:0 (0.0 b)  TX bytes:588 (588.0 b)
```

```
venet0:0 Link encap:UNSPEC  HWaddr
00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        inet addr:public.ip.add.ress  P-t-P:public.ip.add.ress
Bcast:0.0.0.0  Mask:255.255.255.255
        UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
```

Why does it create two venet0 interfaces with one being loopback and one being my public IP address?

Of course, there's no network connectivity with this setup. Additionally, /etc/network/interfaces only has two entries. One for venet0 (public IP address) and lo (loopback). There are several other rpm based and gentoo VEs running on this machine using a public IP address without issue.

Any input would be appreciated!

Subject: Re: networking with debian based templates
Posted by [albinootje](#) on Tue, 29 Jan 2008 23:39:11 GMT
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existx@existx.net wrote:

hi,

> I'm trying to use the following templates:

>

> debian-4.0-i386-minimal

---cut for brevity---

> venet0 Link encap:UNSPEC HWaddr

> 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00

> inet addr:127.0.0.1 P-t-P:127.0.0.1 Bcast:0.0.0.0

> Mask:255.255.255.255

> UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1

> RX packets:0 errors:0 dropped:0 overruns:0 frame:0

> TX packets:7 errors:0 dropped:0 overruns:0 carrier:0

> collisions:0 txqueuelen:0

> RX bytes:0 (0.0 b) TX bytes:588 (588.0 b)

>

> venet0:0 Link encap:UNSPEC HWaddr

> 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00

> inet addr:public.ip.add.ress P-t-P:public.ip.add.ress

> Bcast:0.0.0.0 Mask:255.255.255.255

> UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1

>

> Why does it create two venet0 interfaces with one being loopback and one

> being my public IP address?

>

> Of course, there's no network connectivity with this setup.

i'm using a self-build debian etch template on a debian etch machine, and i see the same thing, but it works without any problems since many months

i have : DEF_OSTEMPLATE="debian-4.0-i386-minimal"
in /etc/vz/vz.conf

i've edited /etc/sysctl.conf according to the OpenVZ-wiki

and that's about it, works like a charm!

Subject: Re: networking with debian based templates

Posted by [efball](#) on Wed, 30 Jan 2008 00:29:49 GMT

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On Wed, Jan 30, 2008 at 12:39:11AM +0100, albinootje wrote:

> existx@existx.net wrote:

>

> hi,

>

>> I'm trying to use the following templates:

>>

>> debian-4.0-i386-minimal

> ---cut for brevity---

>> venet0 Link encap:UNSPEC HWaddr

>> 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00

>> inet addr:127.0.0.1 P-t-P:127.0.0.1 Bcast:0.0.0.0

>> Mask:255.255.255.255

>> UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1

>> RX packets:0 errors:0 dropped:0 overruns:0 frame:0

>> TX packets:7 errors:0 dropped:0 overruns:0 carrier:0

>> collisions:0 txqueuelen:0

>> RX bytes:0 (0.0 b) TX bytes:588 (588.0 b)

>>

>> venet0:0 Link encap:UNSPEC HWaddr

>> 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00

>> inet addr:public.ip.add.ress P-t-P:public.ip.add.ress

>> Bcast:0.0.0.0 Mask:255.255.255.255

>> UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1

>>

>> Why does it create two venet0 interfaces with one being loopback and

>> one being my public IP address?

>>

>> Of course, there's no network connectivity with this setup.

>

> i'm using a self-build debian etch template on a debian etch machine,

> and i see the same thing, but it works without any problems since many

> months

The CentOS templates do the same thing, and networking is working fine for me too:

```
venet0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
inet addr:127.0.0.1 P-t-P:127.0.0.1 Bcast:0.0.0.0 Mask:255.255.255.255
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
RX packets:11110 errors:0 dropped:0 overruns:0 frame:0
TX packets:10901 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:4268320 (4.0 MiB) TX bytes:1105071 (1.0 MiB)
```

```
venet0:0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
inet addr:141.121.58.181 P-t-P:141.121.58.181 Bcast:141.121.58.181
Mask:255.255.255.255
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
```

I see your Bcast for venet0:0 is 0.0.0.0 and mine (for CentOS) is the public IP address. On my Debian (and Ubuntu) VZs the Broadcast is 0.0.0.0. Wierd.

--

E Frank Ball efbal@efball.com

Subject: Re: networking with debian based templates

Posted by [vzjay](#) on Wed, 30 Jan 2008 00:42:51 GMT

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Hi,

My Host is CentOS 5.x. I also have
DEF_OSTEMPLATE="debian-4.0-i386-minimal" defined in /etc/vz/vz.conf

I can ping the Host Node's IP and the Host Node can ping the VM's IP (both are public IP addresses) but I can't connect to the outside world. There is one gentoo VM and one centos VM running with the same configuration, but connecting to the outside world and allowing connections.

```
[root@elbrus ~]# cat /etc/sysctl.conf
# Kernel sysctl configuration file for Red Hat Linux
#
# For binary values, 0 is disabled, 1 is enabled. See sysctl(8) and
# sysctl.conf(5) for more details.
```

```
# Controls IP packet forwarding
net.ipv4.ip_forward = 1
net.ipv4.conf.default.proxy_arp = 0
```

```
# Controls source route verification
net.ipv4.conf.all.rp_filter = 1

# Controls the System Request debugging functionality of the kernel
kernel.sysrq = 1

# Controls whether core dumps will append the PID to the core filename
# Useful for debugging multi-threaded applications
kernel.core_uses_pid = 1

# we do not want all our interfaces to send redirects
net.ipv4.conf.default.send_redirects = 1
net.ipv4.conf.all.send_redirects = 0
[root@elbrus ~]#
```

Additionally, there's no iptables rules currently.

```
[root@elbrus ~]# iptables -nL
Chain INPUT (policy ACCEPT)
target    prot opt source          destination

Chain FORWARD (policy ACCEPT)
target    prot opt source          destination

Chain OUTPUT (policy ACCEPT)
target    prot opt source          destination
[root@elbrus ~]#
```

Any ideas?

Thanks in advance!

albinootje wrote:

> existx@existx.net wrote:

>

> hi,

>

>> I'm trying to use the following templates:

>>

>> debian-4.0-i386-minimal

> ---cut for brevity---

>> venet0 Link encap:UNSPEC HWaddr

00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00

>> inet addr:127.0.0.1 P-t-P:127.0.0.1 Bcast:0.0.0.0

Mask:255.255.255.255

>> UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1

```
> > RX packets:0 errors:0 dropped:0 overruns:0 frame:0
> > TX packets:7 errors:0 dropped:0 overruns:0 carrier:0
> > collisions:0 txqueuelen:0
> > RX bytes:0 (0.0 b) TX bytes:588 (588.0 b)
> >
> > venet0:0 Link encap:UNSPEC HWaddr
00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
> > inet addr:public.ip.add.ress P-t-P:public.ip.add.ress
Bcast:0.0.0.0 Mask:255.255.255.255
> > UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
> >
> > Why does it create two venet0 interfaces with one being loopback and
one being my public IP address?
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> > Of course, there's no network connectivity with this setup.
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>
> and that's about it, works like a charm!
>
```
