
Subject: Please help for my first vps 1 : "arp send: unknown iface vps-net_add..." 2: "not netw

Posted by [incredible10](#) on Fri, 01 Aug 2008 14:28:23 GMT

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Hello everyone,
first of all sorry for my English ... i am using google translate i hope to make me understand....

I tried to read other posts but I was not able to resolve..

Operating System: Ubuntu 8.04 LTS desktop

Kernel: 2.6.24-19-openvz i686

vzctl: vzctl version 3.0.22

for install the kernel i followed this guide

<https://help.ubuntu.com/community/OpenVZ>

I created two ve
with the Template ubuntu-8.04-i386-minimal.tar.gz:
ve 101 ip 10.0.0.101
ve 102 ip 10.0.0.102

but the command `sudo vzctl start 101` or `sudo vzctl start 102`

returns: Starting VE ...

VE is mounted

Adding IP address(es): 10.0.0.101

arp send: unknown iface vps-net_add : No such device

vps-net_add WARNING: arp send -c 1 -w 1 -D -e 10.0.0.101 vps-net_add FAILED

arp send: unknown iface WARNING: : No such device

vps-net_add WARNING: arp send -c 1 -w 1 -D -e 10.0.0.101 WARNING: FAILED

arp send: unknown iface Device : No such device

vps-net_add WARNING: arp send -c 1 -w 1 -D -e 10.0.0.101 Device FAILED

arp send: unknown iface list : No such device

vps-net_add WARNING: arp send -c 1 -w 1 -D -e 10.0.0.101 list FAILED

arp send: unknown iface is : No such device

vps-net_add WARNING: arp send -c 1 -w 1 -D -e 10.0.0.101 is FAILED

arp send: unknown iface empty : No such device

vps-net_add WARNING: arp send -c 1 -w 1 -D -e 10.0.0.101 empty FAILED

cat: /proc/sys/net/ipv4/conf/vps-net_add/proxy_arp: No such file or directory

[: 42: 0: unexpected operator

cat: /proc/sys/net/ipv4/conf/WARNING:/proxy_arp: No such file or directory

[: 42: 0: unexpected operator

```
cat: /proc/sys/net/ipv4/conf/Device/proxy_arp: No such file or directory
[: 42: 0: unexpected operator
cat: /proc/sys/net/ipv4/conf/list/proxy_arp: No such file or directory
[: 42: 0: unexpected operator
cat: /proc/sys/net/ipv4/conf/is/proxy_arp: No such file or directory
[: 42: 0: unexpected operator
cat: /proc/sys/net/ipv4/conf/empty/proxy_arp: No such file or directory
[: 42: 0: unexpected operator
arp send: unknown iface vps-net_add : No such device
vps-net_add WARNING: arp send -c 1 -w 1 -U -i 10.0.0.101 -e 10.0.0.101 vps-net_add FAILED
arp send: unknown iface WARNING: : No such device
vps-net_add WARNING: arp send -c 1 -w 1 -U -i 10.0.0.101 -e 10.0.0.101 WARNING: FAILED
arp send: unknown iface Device : No such device
vps-net_add WARNING: arp send -c 1 -w 1 -U -i 10.0.0.101 -e 10.0.0.101 Device FAILED
arp send: unknown iface list : No such device
vps-net_add WARNING: arp send -c 1 -w 1 -U -i 10.0.0.101 -e 10.0.0.101 list FAILED
arp send: unknown iface is : No such device
vps-net_add WARNING: arp send -c 1 -w 1 -U -i 10.0.0.101 -e 10.0.0.101 is FAILED
arp send: unknown iface empty : No such device
vps-net_add WARNING: arp send -c 1 -w 1 -U -i 10.0.0.101 -e 10.0.0.101 empty FAILED
Setting CPU units: 1000
Configure meminfo: 65536
Set hostname: test
File resolv.conf was modified
VE start in progress...
```

what's the problem? how can I solve?

The second problem is the network and the Internet connection...

ping host:

```
incredible10@ubuntu:~$ ping -c 2 www.google.com
```

```
PING www.l.google.com (74.125.39.99) 56(84) bytes of data.
64 bytes from fx-in-f99.google.com (74.125.39.99): icmp_seq=1 ttl=243 time=50.8 ms
64 bytes from fx-in-f99.google.com (74.125.39.99): icmp_seq=2 ttl=243 time=51.5 ms
```

```
--- www.l.google.com ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 999ms
rtt min/avg/max/mdev = 50.892/51.236/51.581/0.412 ms
```

```
incredible10@ubuntu:~$ ping -c 2 10.0.0.101
```

```
PING 10.0.0.101 (10.0.0.101) 56(84) bytes of data.
64 bytes from 10.0.0.101: icmp_seq=1 ttl=64 time=0.145 ms
64 bytes from 10.0.0.101: icmp_seq=2 ttl=64 time=0.110 ms
```

```
--- 10.0.0.101 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 999ms
rtt min/avg/max/mdev = 0.110/0.127/0.145/0.020 ms
```

```
incredibile10@ubuntu:~$ ping -c 2 10.0.0.102
```

```
PING 10.0.0.102 (10.0.0.102) 56(84) bytes of data.
64 bytes from 10.0.0.102: icmp_seq=1 ttl=64 time=0.147 ms
64 bytes from 10.0.0.102: icmp_seq=2 ttl=64 time=0.113 ms
```

```
--- 10.0.0.102 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 999ms
rtt min/avg/max/mdev = 0.113/0.130/0.147/0.017 ms
```

Ping Ve:

```
incredibile10@ubuntu:~$ sudo vzctl exec 101 ping -c 2 www.google.com
ping: unknown host www.google.com
```

```
incredibile10@ubuntu:~$ sudo vzctl exec 101 ping -c 2 10.0.0.102
PING 10.0.0.102 (10.0.0.102) 56(84) bytes of data.
64 bytes from 10.0.0.102: icmp_seq=1 ttl=64 time=0.154 ms
64 bytes from 10.0.0.102: icmp_seq=2 ttl=64 time=0.120 ms
```

```
--- 10.0.0.102 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 999ms
rtt min/avg/max/mdev = 0.120/0.137/0.154/0.017 ms
```

```
incredibile10@ubuntu:~$ sudo vzctl exec 102 ping -c 2 www.google.com
ping: unknown host www.google.com
```

```
incredibile10@ubuntu:~$ sudo vzctl exec 102 ping -c 2
```

```
10.0.0.101PING 10.0.0.101 (10.0.0.101) 56(84) bytes of data.
64 bytes from 10.0.0.101: icmp_seq=1 ttl=64 time=0.159 ms
64 bytes from 10.0.0.101: icmp_seq=2 ttl=64 time=0.118 ms
```

```
--- 10.0.0.101 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 999ms
rtt min/avg/max/mdev = 0.118/0.138/0.159/0.023 ms
```

ping from ve to host

```
ping statistics ---
2 packets transmitted, 0 received, 100% packet loss, time 1003ms
```

possible i put a nameserver wrong?

please help me

sorry again for English

Subject: Re: Please help for my first vps 1 : "arp send: unknown iface
vps-net_add..." 2: "not
Posted by [kir](#) on Fri, 01 Aug 2008 14:50:43 GMT
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1. You hit the bug which is fixed in next vzctl release (not yet released...). To work around it, set
NEIGHBOUR_DEVS=all
in /etc/vz/vz.conf

2. You probably need to set up nameserver in VE. Easiest way is to copy /etc/resolv.conf from
host to VE, or running vzctl set \$VEID --nameserver x.x.x.x --save, where x.x.x.x is the value of
'nameserver' in /etc/resolv.conf on your host.

Subject: Re: Please help for my first vps 1 : "arp send: unknown iface
vps-net_add..." 2: "not
Posted by [incredible10](#) on Fri, 01 Aug 2008 17:29:10 GMT
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Thanks for help!!!

...i did as you said...

problem 1:

command sudo vzctl start 101 answered as the first

we can work equally ?

problem 2:

internet connection does not work by ve...

Ping Ve:

```
incredibile10@ubuntu:~$ sudo vzctl exec 101 ping -c 2 www.google.com
ping: unknown host www.google.com
```

ping from ve to host

```
incredibile10@ubuntu:~$ sudo vzctl exec 101 ping -c 2 127.0.1.1
PING 127.0.1.1 (127.0.1.1) 56(84) bytes of data.
64 bytes from 127.0.1.1: icmp_seq=1 ttl=64 time=0.073 ms
64 bytes from 127.0.1.1: icmp_seq=2 ttl=64 time=0.065 ms
```

--- 127.0.1.1 ping statistics ---

2 packets transmitted, 2 received, 0% packet loss, time 999ms
rtt min/avg/max/mdev = 0.065/0.069/0.073/0.004 ms

ip Host taken from /etc/hosts is ok?

Subject: Re: Please help for my first vps 1 : "arp send: unknown iface
vps-net_add..." 2: "not
Posted by [kir](#) on Fri, 01 Aug 2008 17:34:04 GMT
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incredibile10 wrote on Fri, 01 August 2008 21:29 Thanks for help!!!

...i did as you said...

problem 1:

command sudo vzctl start 101 answered as the first

we can work equally ?

Please provide an output of `/sbin/ip addr list` executed on the host system.

Quote:problem 2:

internet connection does not work by ve...

Ping Ve:

```
incredible10@ubuntu:~$ sudo vzctl exec 101 ping -c 2 www.google.com
ping: unknown host www.google.com
```

Can you ping the nameserver from inside a VE?

Quote:

ping from ve to host

```
incredible10@ubuntu:~$ sudo vzctl exec 101 ping -c 2 127.0.1.1
PING 127.0.1.1 (127.0.1.1) 56(84) bytes of data.
64 bytes from 127.0.1.1: icmp_seq=1 ttl=64 time=0.073 ms
64 bytes from 127.0.1.1: icmp_seq=2 ttl=64 time=0.065 ms
```

--- 127.0.1.1 ping statistics ---

2 packets transmitted, 2 received, 0% packet loss, time 999ms

rtt min/avg/max/mdev = 0.065/0.069/0.073/0.004 ms

This is not host, this is loopback interface. Your host should have a normal IP address.

Subject: Re: Please help for my first vps 1 : "arp send: unknown iface
vps-net_add..." 2: "not

Posted by [incredible10](#) on Fri, 01 Aug 2008 17:51:51 GMT

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```
incredible10@ubuntu:~$ /sbin/ip addr
```

```
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue
```

```
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 qlen 1000
```

```
link/ether 00:03:0d:18:d2:00 brd ff:ff:ff:ff:ff:ff
```

```
inet6 fe80::203:dff:fe18:d200/64 scope link
```

```
valid_lft forever preferred_lft forever
```

```
3: wmaster0: <BROADCAST,MULTICAST> mtu 1500 qdisc ieee80211 qlen 1000
```

```
link/ieee802.11 00:90:4b:8c:86:d4 brd ff:ff:ff:ff:ff:ff
```

```
4: wlan0: <BROADCAST,MULTICAST> mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 00:90:4b:8c:86:d4 brd ff:ff:ff:ff:ff:ff
5: ppp0: <POINTOPOINT,MULTICAST,NOARP,UP,LOWER_UP> mtu 1492 qdisc pfifo_fast qlen
3
    link/ppp
    inet 87.10.178.24 peer 192.168.100.1/32 scope global ppp0
6: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,LOWER_UP> mtu 1500 qdisc noqueue
    link/void
```

ping the nameserver from inside a VE

```
root@test:/# ping -c 2 85.37.17.46
PING 85.37.17.46 (85.37.17.46) 56(84) bytes of data.
```

```
--- 85.37.17.46 ping statistics ---
2 packets transmitted, 0 received, 100% packet loss, time 1006ms
```

```
root@test:/# ping -c 2 85.38.28.84
PING 85.38.28.84 (85.38.28.84) 56(84) bytes of data.
```

```
--- 85.38.28.84 ping statistics ---
2 packets transmitted, 0 received, 100% packet loss, time 999ms
```

ping from ve to host

```
root@test:/# ping -c 2 87.10.178.24
PING 87.10.178.24 (87.10.178.24) 56(84) bytes of data.
64 bytes from 87.10.178.24: icmp_seq=1 ttl=64 time=0.103 ms
64 bytes from 87.10.178.24: icmp_seq=2 ttl=64 time=0.072 ms
```

```
--- 87.10.178.24 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 999ms
rtt min/avg/max/mdev = 0.072/0.087/0.103/0.018 ms
```

Subject: Re: Please help for my first vps 1 : "arp send: unknown iface
vps-net_add..." 2: "not
Posted by [incredible10](#) on Wed, 06 Aug 2008 20:52:01 GMT
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Hello,
i removed the previous ve:

```
ve 101 ip 10.0.0.101
ve 102 ip 10.0.0.102
```

i created 2 new ve:

```
ve 101 ip 192.168.1.101
ve 102 ip 192.168.1.102
```

and the first problem is solved:

```
incredible10@ubuntu:~$ sudo vzctl start 102
Starting VE ...
VE is mounted
Adding IP address(es): 192.168.1.102
Setting CPU units: 1000
Configure meminfo: 65536
Set hostname: test2
VE start in progress...
```

but ve not connect to the Internet...I can not configure

```
incredible10@ubuntu:~$ sudo vzctl exec 101 ping -c 2 www.google.com
ping: unknown host www.google.com
```

HOST

```
incredible10@ubuntu:~$ [B]route -n[/B]
Kernel IP routing table
Destination  Gateway      Genmask      Flags Metric Ref  Use Iface
192.168.100.1 0.0.0.0      255.255.255.255 UH  0    0    0 ppp0
192.168.1.102 0.0.0.0      255.255.255.255 UH  0    0    0 venet0
192.168.1.101 0.0.0.0      255.255.255.255 UH  0    0    0 venet0
192.168.1.0   0.0.0.0      255.255.255.0   U   0    0    0 eth0
169.254.0.0   0.0.0.0      255.255.0.0     U   1000 0    0 eth0
0.0.0.0       0.0.0.0      0.0.0.0         U   0    0    0 ppp0
```

```
incredible10@ubuntu:~$ [B]ifconfig[/B]
eth0  Link encap:Ethernet HWaddr 00:03:0d:18:d2:00
      inet addr:192.168.1.11 Bcast:192.168.1.255 Mask:255.255.255.0
      inet6 addr: fe80::203:dff:fe18:d200/64 Scope:Link
      UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
      RX packets:67823 errors:0 dropped:0 overruns:0 frame:0
      TX packets:57812 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:1000
      RX bytes:61111447 (58.2 MB) TX bytes:7193091 (6.8 MB)
```


Interrupt:18 Base address:0xd800

```
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:2300 errors:0 dropped:0 overruns:0 frame:0
      TX packets:2300 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:0
      RX bytes:116052 (113.3 KB)  TX bytes:116052 (113.3 KB)

ppp0  Link encap:Point-to-Point Protocol
      inet addr:82.57.114.43  P-t-P:192.168.100.1  Mask:255.255.255.255
      UP POINTOPOINT RUNNING NOARP MULTICAST  MTU:1492  Metric:1
      RX packets:12442 errors:0 dropped:0 overruns:0 frame:0
      TX packets:12180 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:3
      RX bytes:3393927 (3.2 MB)  TX bytes:989731 (966.5 KB)

venet0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
      UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
      RX packets:209 errors:0 dropped:0 overruns:0 frame:0
      TX packets:73 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:0
      RX bytes:14788 (14.4 KB)  TX bytes:6300 (6.1 KB)

wlan0  Link encap:Ethernet  HWaddr 00:90:4b:8c:86:d4
      UP BROADCAST MULTICAST  MTU:1500  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:1000
      RX bytes:0 (0.0 B)  TX bytes:0 (0.0 B)

wmaster0  Link encap:UNSPEC  HWaddr 00-90-4B-8C-86-D4-00-00-00-00-00-00-00-00-00-00
      UP BROADCAST RUNNING MULTICAST  MTU:1500  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:1000
      RX bytes:0 (0.0 B)  TX bytes:0 (0.0 B)
```

[B]/etc/network/interfaces[B]

This file describes the network interfaces available on your system
and how to activate them. For more information, see interfaces(5).

The loopback network interface
auto lo
iface lo inet loopback

```
# The primary network interface
```

```
#iface eth0 inet dhcp
```

```
auto dsl-provider
iface dsl-provider inet ppp
pre-up /sbin/ifconfig eth0 up # line maintained by pppoeconf
provider dsl-provider
```

```
#iface eth0 inet dhcp
```

```
#auto eth0
```

```
auto eth0
iface eth0 inet static
    address 192.168.1.11
    netmask 255.255.255.0
    network 192.168.0.0
    broadcast 192.168.1.255
```

VE

```
root@test:/# [B]route -n[/B]
```

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
192.0.2.1	0.0.0.0	255.255.255.255	UH	0	0	0	venet0
0.0.0.0	192.0.2.1	0.0.0.0	UG	0	0	0	venet0

```
root@test:/# [B]ifconfig[/B]
```

```
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:18 errors:0 dropped:0 overruns:0 frame:0
      TX packets:38 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:0
      RX bytes:1568 (1.5 KB)  TX bytes:2904 (2.8 KB)
```

```
venet0:0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
  inet addr:192.168.1.101 P-t-P:192.168.1.101 Bcast:0.0.0.0 Mask:255.255.255.255
  UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
```

etc/network/interfaces

```
# This configuration file is auto-generated.
# WARNING: Do not edit this file, otherwise your changes will be lost.
# Please edit template /etc/network/interfaces.template instead.
```

```
# Auto generated interfaces
```

```
auto lo
```

```
iface lo inet loopback
```

```
auto venet0
```

```
iface venet0 inet static
```

```
address 127.0.0.1
```

```
netmask 255.255.255.255
```

```
broadcast 0.0.0.0
```

```
up route add -net 192.0.2.1 netmask 255.255.255.255 dev venet0
```

```
up route add default gw 192.0.2.1
```

```
auto venet0:0
```

```
iface venet0:0 inet static
```

```
address 192.168.1.101
```

```
netmask 255.255.255.255
```

```
broadcast 0.0.0.0
```

host is connected to the Internet with modem ethernet

please help me