Subject: [Answered] How to allocate ip addresses from ISP via DHCP .....
Posted by schjeall on Mon, 02 Feb 2009 08:26:47 GMT
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My ISP gives away 5 ip-adresses and they are allocated when a device is requesting a new
IP-address (with a diffrent MAC).

Now, how do I get each CT1..5 firing DCHP requests at my ISP's network? I think it's a
routing/firewall problem at CT0. I use easy-mac.sh to generate individual MAC addresses.


```
ISP network
   |
 ----------
| DSL  |
 ----------
    |
    |
   eth0
   | \
   |  \ DCHP requests
   |   \
 ------- --------
| CT0 | |CT1..5|
 ------- --------
```
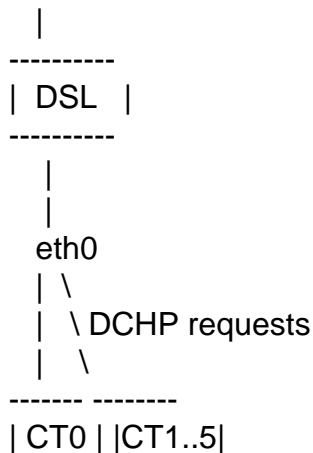
CT0, connects perfectly to the internet.

Please, can someone provide me with a command-walkthrough? Also, what is most handy to use
veth og venet?

Subject: Re: How to allocate ip addresses from ISP via DHCP .....
Posted by maratrus on Mon, 02 Feb 2009 12:36:13 GMT
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Hello,

Quote:
Also, what is most handy to use veth og venet?

There is a wiki page. It might be helpful.
http://wiki.openvz.org/Differences_between_venet_and_veth

And I didn't catch your idea fully. What's your problem? Anyway, I found another wiki page
http://wiki.openvz.org/DHCP

Subject: Re: How to allocate ip addresses from ISP via DHCP .....
Posted by schjeall on Tue, 03 Feb 2009 07:32:42 GMT
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Hello

I basically want to allocate IP addresses for CT1..5 via a DHCP server sitting on the network.

I have followed this HOW-TO (section "DHCP supplied addresses").

http://wiki.openvz.org/Common_Networking_HOWTOs

CT1 is not getting any lease from the DHCP server. I have set everything up according to the HOW-TO and Quick Install - I have even stopped IPTABLES.

Do you have a suggestion about what to do next?

Subject: Re: How to allocate ip addresses from ISP via DHCP .....
Posted by maratrus on Tue, 03 Feb 2009 08:45:22 GMT
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Hello,

you don't have to generate MAC addresses with easy-mac.sh script because vzctl should generate them automatically.

The following scenario should work (it's a compilation from wiki page http://wiki.openvz.org/Veth)

(on the HN)
brctl addbr br0
brctl addif br0 eth0
vzctl set $VEID --netif_add eth0 --save
brctl addif br0 veth$VEID.0
ifconfig eth0 0
ifconfig veth$VEID.0 0
echo 1 > /proc/sys/net/ipv4/conf/veth$VEID.0/forwarding
echo 1 > /proc/sys/net/ipv4/conf/veth$VEID.0/proxy_arp
echo 1 > /proc/sys/net/ipv4/conf/eth0/forwarding
echo 1 > /proc/sys/net/ipv4/conf/eth0/proxy_arp
ifconfig br0 0
echo 1 > /proc/sys/net/ipv4/conf/br0/forwarding
echo 1 > /proc/sys/net/ipv4/conf/br0/proxy_arp
dhclient br0

Then ip address should appear on br0 interface and then

(inside CT)
dhclient eth0

If this scenario doesn't work then:
- use tcpdump utility on the HN and inside the container when dhclient is running inside CT
- make sure that you don't have to register MAC addresses inside your CTs because of your network policy rules.

Subject: Re: How to allocate ip addresses from ISP via DHCP .....
Posted by schjeall on Tue, 03 Feb 2009 21:43:25 GMT
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Hello

I love Linux, I love OpenVZ and I almost love you!

Thanks you so much for your help!

I got everything working after following your instructions - I just needed to add a default route to my gateway:

CT101#route add default gw 192.168.1.1 dev eth0