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Subject: [Answered] How to allocate ip addresses from ISP via DHCP .....

Posted by [schjeall](#) on Mon, 02 Feb 2009 08:26:47 GMT

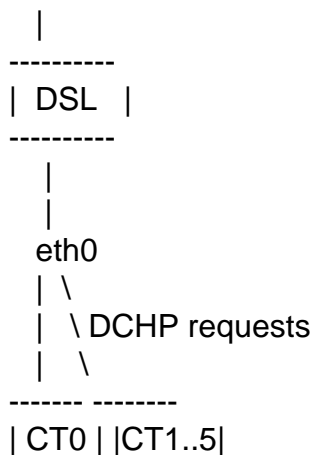
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My ISP gives away 5 ip-adresses and they are allocated when a device is requesting a new IP-address (with a different MAC).

Now, how do I get each CT1..5 firing DHCP 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



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?

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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](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>

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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](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?

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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.

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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
```

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