
Subject: IPv6 Problem

Posted by [virtualmarc](#) on Mon, 20 Jun 2011 22:22:54 GMT

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Hallo OpenVZ Community,

ich wollte einer OpenVZ VE eine IPv6 hinzufügen.

Auf meinem Hostsystem bekomme ich ein natives /64'er IPv6 Netz.

Vom Hostsystem kann ich problemlos über IPv6 aufs Internet zugreifen, aus der VE raus funktioniert es nicht.

Hier mal meine Einstellungen:

[Host] ifconfig eth0:

```
Quote:eth0    Link encap:Ethernet HWaddr 00:24:21:5f:1e:9c
      inet addr:188.40.37.68 Bcast:188.40.37.127 Mask:255.255.255.192
      inet6 addr: 2a01:4f8:100:12a8::2/64 Scope:Global
      inet6 addr: fe80::224:21ff:fe5f:1e9c/64 Scope:Link
      UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
      RX packets:10172815 errors:0 dropped:0 overruns:0 frame:0
      TX packets:11768660 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:1000
      RX bytes:7440998458 (6.9 GiB) TX bytes:2658080635 (2.4 GiB)
      Interrupt:249 Base address:0xc000
```

[Host] route -6

Quote:Kernel IPv6 routing table

Destination	Next Hop	Flag	Met	Ref	Use	If
2a01:4f8:100:12a0::1/128	::	U	1024	0	2	eth0
2a01:4f8:100:12a8::3/128	::	U	1024	0	0	venet0
2a01:4f8:100:12a8::/64	::	U	256	0	0	eth0
fe80::1/128	::	U	256	0	0	venet0
fe80::/64	::	U	256	0	0	eth0
fe80::/64	::	U	256	0	0	venet0
::/0	2a01:4f8:100:12a0::1	UG	1024	1	272	eth0
::/0	::	U	1024	0	0	venet0
::/0	::	!n	-1	1	17971	lo
::1/128	::	Un	0	1	227	lo
2a01:4f8:100:12a8::/128	::	Un	0	1	0	lo
2a01:4f8:100:12a8::2/128	::	Un	0	1	971	lo
fe80::/128	::	Un	0	1	0	lo
fe80::1/128	::	Un	0	1	0	lo
fe80::224:21ff:fe5f:1e9c/128	::	Un	0	1	446	lo
ff00::/8	::	U	256	0	0	eth0
ff00::/8	::	U	256	0	0	venet0
::/0	::	!n	-1	1	17971	lo

```
[Host] /etc/sysctl.conf
Quote:## Hetzner Online AG installimage
# sysctl config
net.ipv4.ip_forward=1
net.ipv4.conf.all.rp_filter=1
net.ipv4.icmp_echo_ignore_broadcasts=1
net.ipv4.conf.default.forwarding=1
net.ipv4.conf.default.proxy_arp = 0
kernel.sysrq = 1
net.ipv4.conf.default.send_redirects = 1
net.ipv4.conf.all.send_redirects = 0
net.ipv4.conf.eth0.proxy_arp=1
net.ipv6.conf.all.forwarding = 1
net.ipv6.ip_forward=1
net.ipv6.conf.default.proxy_ndp = 1
net.ipv6.conf.all.proxy_ndp = 1
```

```
[Host] ping6 ipv6.google.com
Quote:PING ipv6.google.com(fra07s07-in-x68.1e100.net) 56 data bytes
64 bytes from fra07s07-in-x68.1e100.net: icmp_seq=1 ttl=57 time=18.9 ms
64 bytes from fra07s07-in-x68.1e100.net: icmp_seq=2 ttl=57 time=18.9 ms
^C
--- ipv6.google.com ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1005ms
rtt min/avg/max/mdev = 18.909/18.938/18.967/0.029 ms
```

```
[VE] ifconfig
Quote: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:256 errors:0 dropped:0 overruns:0 frame:0
      TX packets:256 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:0
      RX bytes:27575 (26.9 KiB)  TX bytes:27575 (26.9 KiB)
```

```
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:1336 errors:0 dropped:0 overruns:0 frame:0
      TX packets:1511 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:0
      RX bytes:170288 (166.2 KiB)  TX bytes:239860 (234.2 KiB)
```

```
venet0:0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
```

```
inet addr:188.40.37.97 P-t-P:188.40.37.97 Bcast:0.0.0.0 Mask:255.255.255.255
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
```

[VE] route -6

Quote:Kernel IPv6 routing table

Destination	Next Hop	Flag	Met	Ref	Use	If
::/0	::	U	1024	0	0	venet0
::/0	::	In	-1	1	126	lo
::1/128	::	Un	0	1	98	lo
::/0	::	In	-1	1	126	lo

[VE] ping6 ipv6.google.com

Quote:PING ipv6.google.com(fra07s07-in-x68.1e100.net) 56 data bytes

^C

--- ipv6.google.com ping statistics ---

6 packets transmitted, 0 received, 100% packet loss, time 5013ms

Hat jemand eine idee, wie ich das Problem lösen kann?

Ich habe der VE die IPv6 mit

Quote:vzctl set 101 --ipadd 2a01:4f8:100:12a8::3 --save

zugewiesen.

Mfg,
Marc V.

Subject: Re: IPv6 Problem

Posted by [curx](#) on Wed, 22 Jun 2011 11:11:31 GMT

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Hi Marc,

[quote]

[VE] ifconfig

Quote: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:256 errors:0 dropped:0 overruns:0 frame:0

TX packets:256 errors:0 dropped:0 overruns:0 carrier:0

collisions:0 txqueuelen:0

RX bytes:27575 (26.9 KiB) TX bytes:27575 (26.9 KiB)

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:1336 errors:0 dropped:0 overruns:0 frame:0
TX packets:1511 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:170288 (166.2 KiB) TX bytes:239860 (234.2 KiB)
```

```
venet0:0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
inet addr:188.40.37.97 P-t-P:188.40.37.97 Bcast:0.0.0.0 Mask:255.255.255.255
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
```

Wo befindet sich in dem oben Output die IPv6 Adresse 2a01:4f8:100:12a8::3 ?

Was für ein OpenVZ Template und welche vzctl Version wird verwendet ?

Gruß,
Thorsten

Subject: Re: IPv6 Problem
Posted by [virtualmarc](#) on Wed, 22 Jun 2011 13:11:58 GMT
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Moin,

das ist ja gerade das Problem, dass der VE die IP nicht zugewiesen wird.

VZCTL Version:
Quote:vzctl version 3.0.24

Als Template verwende ich ein Debian 6.0 AMD64 Minimal was ich über das OpenVZ Web Panel herunter geladen habe.

Mfg,
Marc V.

Subject: Re: IPv6 Problem
Posted by [curx](#) on Thu, 04 Aug 2011 12:24:53 GMT
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Hi,

IPv6 in der /etc/vz/vz.conf enabled ?

Sind die IPv6 Einstellungen im Container /etc/network/interfaces nach dem vzctl set Kommando

eingetragen ?

Gruß,
Thorsten
