Subject: Container unreachable from LAN
Posted by Davide on Fri, 19 Jul 2013 14:04:47 GMT
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Trying to set up the most basic container, I'm failing to make the container reachable from computers located on the same LAN of the hardware host via IPv4. Only the host can reach (ping) the container.

This is the configuration: kernel: 3.8.13 vanilla, non-OpenVZ
VZ tools: vzctl version 4.3.1-21.git.68038a5 compiled from Git
container OS template: debian-6.0-x86.tar.gz
host OS: Debian Wheezy 7.1
network infrastructure: DSL connection reaches a domestic modem/router with dynamic IPv4; a few ethernet cables connect this router with individual computers within one single subnetwork; among these computers there's the OpenVZ hardware host. Router IP: 192.168.1.1, netmask 255.255.255.0; the router assigns IPs by using an internal DHCP daemon. This routher always assigns 192.168.1.10 to the hardware host (MAC binding). Hardware host can reach internet and the other computers on LAN.
Routing: no rules; no iptables, no netfilters, nothing except a NAT on the DSL modem/router.

This is how I attempt to set up the container: #> /usr/handsoftware/sbin/vzctl create 101 --ostemplate debian-6.0-x86
Directory /proc/vz not found, assuming non-OpenVZ kernel
Creating container private area (debian-6.0-x86)
Performing postcreate actions
CT configuration saved to /etc/vz/conf/101.conf
Container private area was created
#> /usr/handsoftware/sbin/vzctl set 101 --onboot yes --save
Directory /proc/vz not found, assuming non-OpenVZ kernel
CT configuration saved to /etc/vz/conf/101.conf
#> vzctl set 101 --ipadd 192.168.1.101 --save
Directory /proc/vz not found, assuming non-OpenVZ kernel
CT configuration saved to /etc/vz/conf/101.conf
#> /usr/handsoftware/sbin/vzct set 101 --nameserver 192.168.1.1 --save
Directory /proc/vz not found, assuming non-OpenVZ kernel
CT configuration saved to /etc/vz/conf/101.conf
#> /usr/handsoftware/sbin/vzctl start 101
Directory /proc/vz not found, assuming non-OpenVZ kernel
Starting container...
Container is mounted
Could not properly cleanup container: No such file or directory
Failed to set limits for TCPbuffer (Cgroup one of the needed subsystems is not mounted)
Failed to set limits for Kernel Memory (Cgroup one of the needed subsystems is not mounted)
WARNING: Running container unprivileged. USER_NS not supported, or runtime disabled
Adding IP address(es): 192.168.1.101
Container start in progress...
#> ping 192.168.1.101

```
PING 192.168.1.101 (192.168.1.101) 56(84) bytes of data.
64 bytes from 192.168.1.101: icmp_req=1 ttl=64 time=0.126 ms
 #> /usr/handsoftware/sbin/vzctl enter 101
Directory /proc/vz not found, assuming non-OpenVZ kernel
entered into CT 101
 101#> ping 192.168.1.1
3 packets transmitted, 0 received, 100% packet loss, time 2010ms
 101#> ifconfig
lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          UP LOOPBACK RUNNING  MTU:65536  Metric:1
          RX packets:19 errors:0 dropped:0 overruns:0 frame:0
          TX packets:19 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:1496 (1.4 KiB)  TX bytes:1496 (1.4 KiB)

venet0    Link encap:Ethernet  HWaddr 3e:bb:57:01:c5:1d
          inet addr:127.0.0.2  Bcast:127.255.255.255  Mask:255.0.0.0
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:4 errors:0 dropped:0 overruns:0 frame:0
          TX packets:19 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:280 (280.0 B)  TX bytes:910 (910.0 B)

venet0:0  Link encap:Ethernet  HWaddr 3e:bb:57:01:c5:1d
          inet addr:192.168.1.101  Bcast:192.168.1.255  Mask:255.255.255.255
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
```

Subject: Re: Container unreachable from LAN
Posted by Davide on Sat, 20 Jul 2013 06:50:17 GMT
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I have no clue at all, so even a bare crude hypothesis could turn me on track toward using OpenVZ.

Subject: Re: Container unreachable from LAN
Posted by Paparaciz on Fri, 26 Jul 2013 19:45:14 GMT
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do you masquerade CT ip addresses to outside?
please provide more information about network setup in HN with interfaces and ip addresses and what do you want to achieve

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Subject: Re: Container unreachable from LAN
Posted by Davide on Fri, 26 Jul 2013 23:28:17 GMT
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I have no kind of professional network configuration, not in CT0 nor in the VE. Iptables, masquerading and NAT: never customized these from their defaults.

CT0 connects to the modem/router using dhclient, and is assigned the IP 192.168.1.10 by the router, which stands on 192.168.1.1.

The goal is to let the VE have its own IP address assigned directly from the router, if possible.

Subject: Re: Container unreachable from LAN
Posted by Paparaciz on Mon, 29 Jul 2013 10:47:27 GMT
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