Subject: *SOLVED* Can ping but not connect from a custom template
Posted by bmaisonn on Thu, 15 Nov 2007 18:06:36 GMT
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Hi,
I've searched to resolve this problem for a long time ! So now, i decide to share it .
For a project I had to make a custom template with buildroot and busybox.
I created a VE and gave him an ip address (venet interface)
(vzctl create 103 --ostemplate linux --ipadd 192.168.254.103)
Next inside that VE i configured my interfaces with this script :

```
#!/bin/sh
ifconfig venet0 add 127.0.0.1 netmask 255.255.255.255 broadcast 0.0.0.0 up
ifconfig venet0:0 add 192.168.254.103 netmask 255.255.255.255 broadcast 0.0.0.0 up
route add -net 191.255.255.1 netmask 255.255.255.255  dev venet0
route add -net default gw 191.255.255.1
```

From here, i can ping the HN but can't connect to him through a tcp socket.

I'd like to know i a forgot something, or made something wrong ?

Thanks a lot !

Subject: Re: Can ping but not connect from a custom template
Posted by vaverin on Fri, 16 Nov 2007 06:09:36 GMT
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At the first glance your setup looks correct.
However I do not understand your problem. Could you please explain it in more details?

thank you,
Vasily Averin

Subject: Re: Can ping but not connect from a custom template
Posted by bmaisonn on Fri, 16 Nov 2007 09:10:28 GMT
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Hi,
this is my situation.
I have a process on the HN which tries to communicate with another process placed in my custom VE through a tcp socket using the address 192.168.254.103 and a specific port. This configuration works perfectly with a minimal debian template, but with my template the two processes cannot even connect each other. There is certainly something that I forgot. Is there a special

configuration for the loopback interface ?

Here is the result of an "ifconfig" command :

```
lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          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: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)

venet0:0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
          inet addr:192.168.254.103  P-t-P:192.168.254.103  Bcast:0.0.0.0  Mask:255.255.255.255
          UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
```

And the route configuration :

```
Destination     Gateway         Genmask         Flags Metric Ref    Use Iface
191.255.255.1   *               255.255.255.255 UH    0      0        0 venet0
default         191.255.255.1   0.0.0.0         UG    0      0        0 venet0
```

Thanks for interest to my problem

Subject: Re: Can ping but not connect from a custom template
Posted by bmaisonn on Fri, 16 Nov 2007 10:20:42 GMT
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I can precise my problem a little bit more.
We've discovered than we can use wget from the VE, so it's seems it's working in one way (VE to outside).

Subject: Re: Can ping but not connect from a custom template
Posted by vaverin on Fri, 16 Nov 2007 11:13:16 GMT
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bmaisonn wrote on Fri, 16 November 2007 13:20I can precise my problem a little bit more.
We've discovered than we can use wget from the VE, so it's seems it's working in one way (VE to outside).
Your have private IP and it can be acecssed only from your private network. Private IP's are not visible from internet.

Subject: Re: Can ping but not connect from a custom template
Posted by vaverin on Fri, 16 Nov 2007 11:18:02 GMT
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I still cannot understand your ptoblem.
- are you able to ping HN from VE?
- are you able to ping VE from HN?
- are you able ssh from inside VE to HW node?
- if you have some server inside VE -- are you able connect him from inside VE and from HN?

I would add that tcpdump logs are very useful in such invetsigations.

thank you,
Vasily Averin

Subject: Re: Can ping but not connect from a custom template
Posted by bmaisonn on Fri, 16 Nov 2007 13:03:48 GMT
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Victory !
there was an error in my application in the VE.
I am sorry if i've waste your time ...

Thanks
