Subject: VE networking question
Posted by satimis on Thu, 21 Aug 2008 14:43:05 GMT
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Hi folks,

Each time booting up the host, VE (guest) starts automatically. However VE can't connect Internet. I have to run on host;

[Host]# brctl addif br0 veth101.0
[Host]# vzctl exec 101 dhclient eth0

Then VE can access Internet.

[Host]# vzctl exec 101 ping -c3 google.com
PING google.com (72.14.207.99) 56(84) bytes of data.
64 bytes from eh-in-f99.google.com (72.14.207.99): icmp_seq=1 ttl=237 time=237 ms
64 bytes from eh-in-f99.google.com (72.14.207.99): icmp_seq=2 ttl=237 time=237 ms
64 bytes from eh-in-f99.google.com (72.14.207.99): icmp_seq=3 ttl=237 time=240 ms

--- google.com ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 10803ms
rtt min/avg/max/mdev = 237.328/238.381/240.166/1.268 ms

Is there any way to make network connected automatically on booting the VM?

Can I set fixed IP on VE

Please advise. TIA Pointer would be appreciated.

B.R.
satimis

Subject: Re: VE networking question
Posted by piavlo on Thu, 21 Aug 2008 15:35:48 GMT
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You need to use EXTERNAL_SCRIPT= in /etc/vz/vznet.conf
http://wiki.openvz.org/Virtual_Ethernet_device#Making_a_brid ged_veth-device_persistent

Subject: Re: VE networking question
Posted by satimis on Fri, 22 Aug 2008 08:06:58 GMT

piavlo wrote on Thu, 21 August 2008 23:35You need to use EXTERNAL_SCRIPT= in /etc/vz/vznet.conf
http://wiki.openvz.org/Virtual_Ethernet_device#Making_a_brid ged_veth-device_persistent
Hi piavlo,

Thanks for your advice.

[Host]# vzctl --version
vzctl version 3.0.22

I suppose to follow;
method for vzctl version <= 3.0.22
http://wiki.openvz.org/Virtual_Ethernet_device#Making_a_brid ged_veth-device_persistent

[Host]# ls -l /etc/vz/conf/
total 20
-rw-r--r-- 1 root root 228 2008-04-21 22:19 0.conf
-rw-r--r-- 1 root root 1831 2008-08-21 23:35 101.conf
-rw-r--r-- 1 root root 1810 2008-08-21 12:32 101.conf.origin.20080821
-rw-r--r-- 1 root root 1539 2008-04-21 22:19 ve-light.conf-sample
-rw-r--r-- 1 root root 1515 2008-04-21 22:19 ve-vps.basic.conf-sample

[Host]# locate CTID.conf
No printout

I can't find this file?

[Host]# vzlist -a
VEID NPROC STATUS IP_ADDR HOSTNAME
101 3 running - satimis-desktop32

VE 101 is running

[Host]# lsmod | grep vzeth
vzethdev 14080 0
vzmon 41224 5 vzethdev,vznetdev,vzrst,vzcpt
vzdev 4484 4 vzethdev,vznetdev,vzdquota,vzmon

[Host]# ls /vz/template/cache/
ubuntu-8.04-i386-minimal.tar.gz

[Host]# ls /etc/vz/dists/ | grep ubuntu
ubuntu-5.1.conf
ubuntu.conf

Which of them shall I use?

[Host]# grep CONFIGFILE /etc/vz/vz.conf
CONFIGFILE="vps.basic"

Can I follow;
Configuring container creation
http://wiki.openvz.org/Configuring_container_creation

to run;
[Host]# vzctl create CTID

creating CTID.conf ???

If YES, then whether I have to stop VE 101 running first? TIA

B.R.
satimis

Subject: Re: VE networking question
Posted by maratrus on Fri, 22 Aug 2008 15:22:34 GMT
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Hi,

excuse for misleading:
/etc/vz/conf/CTID.conf - is the configuration file of your container (/etc/vz/conf/101.conf in our case).

Subject: Re: VE networking question
Posted by satimis on Fri, 22 Aug 2008 15:43:51 GMT
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maratrus wrote on Fri, 22 August 2008 23:22Hi,

excuse for misleading:
/etc/vz/conf/CTID.conf - is the configuration file of your container (/etc/vz/conf/101.conf in our case).
Hi maratrus,

I found this file on the VM.

[Host]# ls /etc/vz/conf/
0.conf ve-vps.basic.conf-sample
101.conf ve-light.conf-sample

Thanks

B.R.
satimis

Subject: Re: VE networking question
Posted by satimis on Sun, 24 Aug 2008 06:57:29 GMT
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piavlo wrote on Thu, 21 August 2008 23:35You need to use EXTERNAL_SCRIPT= in /etc/vz/vznet.conf
  http://wiki.openvz.org/Virtual_Ethernet_device#Making_a_brid ged_veth-device_persistent
Hi piavlo,

Thanks for your URL. Performed following test but failed;

[Host]# nano /etc/vz/conf/101.conf
adding following at the end;
CONFIG_CUSTOMIZED="yes"
VZHOSTBR="br0"

[Host]# nano /usr/sbin/vznetaddbr

adding following script;

```
#!/bin/bash
# /usr/sbin/vznetaddbr
# a script to add virtual network interfaces (veth's) in a CT to a bridge on CT0

CONFIGFILE=/etc/vz/conf/$CTID.conf
. $CONFIGFILE
VZHOSTIF=`echo $NETIF |sed 's/^.*host_ifname=\(.*\),.*$/\1/g'`

if [ ! -n "$VZHOSTIF" ]; then
   echo "According to $CONFIGFILE CT$CTID has no veth interface configured."
   exit 1
fi

if [ ! -n "$VZHOSTBR" ]; then
   echo "According to $CONFIGFILE CT$CTID has no bridge interface configured."
   exit 1
fi

echo "Adding interface $VZHOSTIF to bridge $VZHOSTBR on CT0 for CT$CTID"
/sbin/ifconfig $VZHOSTIF 0
echo 1 > /proc/sys/net/ipv4/conf/$VZHOSTIF/proxy_arp
echo 1 > /proc/sys/net/ipv4/conf/$VZHOSTIF/forwarding
/usr/sbin/brctl addif $VZHOSTBR $VZHOSTIF

exit 0
```

```
[Host]# chmod 0500 -c /usr/sbin/vznetaddbr
mode of `/usr/sbin/vznetaddbr' changed to 0500 (r-x------)
```

```
[Host]# nano /etc/vz/vznet.conf
```

adding following;

```
#!/bin/bash
EXTERNAL_SCRIPT="/usr/sbin/vznetaddbr"
```

```
[Host]# vzctl stop 101
Stopping VE ...
VE was stopped
VE is unmounted
```

[Host]# vzctl start 101
Starting VE ...
VE is mounted
Setting CPU units: 1000
Configure meminfo: 65536
Set hostname: satimis-desktop32
File resolv.conf was modified
Configure veth devices: veth101.0
/usr/sbin/vznetcfg: 20: source: not found
VE start in progress...

[Host]# brctl show
bridge name bridge id STP enabled interfaces
br0 8000.000ea6f9a35b no eth0

[Host]# vzctl exec 101 ping -c3 yahoo.com
ping: unknown host yahoo.com

On googling I found following thread;

http://git.openvz.org/?p=vzctl;a=commit;h=a0805eb9ad354899e002f11507e0e3791cf3909f

http://bugzilla.openvz.org/show_bug.cgi?id=894

cp -p /usr/sbin/vznetcfg /usr/sbin/vznetcfg.origin.20080824
- [-f "$VZNETCFG"] && source "$VZNETCFG" (delete this line)
+ [-f "$VZNETCFG"] && ."$VZNETCFG   (add this line)

made change according to advice on above thread but still failed.

[Host]# vzctl stop 101
Stopping VE ...
VE was stopped
VE is unmounted

[Host]# vzctl start 101
Starting VE ...
VE is mounted
Setting CPU units: 1000

Configure meminfo: 65536
Set hostname: satimis-desktop32
File resolv.conf was modified
Configure veth devices: veth101.0
/usr/sbin/vznetaddbr: line 6: /etc/vz/conf/.conf: No such file or directory
According to /etc/vz/conf/.conf CT has no veth interface configured.
/usr/sbin/vznetcfg exited with error
VE start failed
Stopping VE ...
VE was stopped
VE is unmounted

Also found following thread;
http://www.proxmox.com/forum/archive/index.php/t-423.html

unfortunately it was discontiued.

Please help. TIA

B.R.
satimis

Subject: Re: VE networking question
Posted by piavlo on Sun, 24 Aug 2008 13:00:51 GMT
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I think that you should change $CTID to $VEID
in all your custom scripts. Probably the naming scheme has changed
with vzctl versions newer than 3.0.22 from VE to CT.

This is what i've setup

```
#!/bin/bash

CONFIGFILE=/etc/vz/conf/$VEID.conf
. $CONFIGFILE
VZHOSTIF=`echo $NETIF |sed 's/^.*host_ifname=\(.*\),.*$/\1/g'`

if [ ! -n "$VZHOSTIF" ]; then
```

```
        echo "According to $CONFIGFILE VE$VEID has no veth interface configured."
        exit 1
fi
if [ ! -n "$BRIDGEDEV" ]; then
        echo "According to $CONFIGFILE VE$VEID veth interface is not enslaved to any bridge."
        exit 1
fi

ifconfig veth${VEID}.0 0
brctl addif ${BRIDGEDEV} veth${VEID}.0
exit $?
```

Subject: Re: VE networking question
Posted by satimis on Sun, 24 Aug 2008 14:23:02 GMT
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piavlo wrote on Sun, 24 August 2008 21:00I think that you should change $CTID to $VEID
in all your custom scripts. Probably the naming scheme has changed
with vzctl versions newer than 3.0.22 from VE to CT.

This is what i've setup

```
#!/bin/bash

CONFIGFILE=/etc/vz/conf/$VEID.conf
. $CONFIGFILE
VZHOSTIF=`echo $NETIF |sed 's/^.*host_ifname=\(.*\),.*$/\1/g'`

if [ ! -n "$VZHOSTIF" ]; then
        echo "According to $CONFIGFILE VE$VEID has no veth interface configured."
        exit 1
fi
if [ ! -n "$BRIDGEDEV" ]; then
        echo "According to $CONFIGFILE VE$VEID veth interface is not enslaved to any bridge."
        exit 1
fi

ifconfig veth${VEID}.0 0
brctl addif ${BRIDGEDEV} veth${VEID}.0
exit $?
```

Hi piavlo,

```
# vzctl --version
vzctl version 3.0.22
```

Old version

Tried your script also w/o solution.

[Host]# vzctl start 101
Starting VE ...
VE is mounted
Setting CPU units: 1000
Configure meminfo: 65536
Set hostname: satimis-desktop32
File resolv.conf was modified
Configure veth devices: veth101.0
/usr/sbin/vznetcfg: 20: source: not found
VE start in progress...

Still the same mistake "/usr/sbin/vznetcfg: 20: source: not found"

B.R.
satimis

Subject: Re: VE networking question
Posted by piavlo on Sun, 24 Aug 2008 20:33:50 GMT
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Did you actually change $CTID to $VEID in you script?
3.0.22 is the latest versionb available at http://wiki.openvz.org/Download/utils and it works with $VEID
If it does not work put set -x at the beginning of your EXTERNAL_SCRIPT and see where exactly is the problem first occurs.
And don't just try someone's script, unless you understand exactly for which setup it was written (my was given only as example without describing my network setup).

Subject: Re: VE networking question
Posted by satimis on Mon, 25 Aug 2008 03:30:56 GMT
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piavlo wrote on Mon, 25 August 2008 04:33 Did you actually change $CTID to $VEID in you script?
3.0.22 is the latest versionb available at http://wiki.openvz.org/Download/utils and it works with $VEID

If it does not work put set -x at the beginning of your EXTERNAL_SCRIPT and see where exactly is the problem first occurs.
 And don't just try someone's script, unless you understand exactly for which setup it was written (my was given only as example without describing my network setup).

Hi piavlo,

I also tried the external scrip here including yours.

From record;

[HN]# vzctl stop 101

Stopping VE ...
VE was stopped
VE is unmounted

The external script;

[HN]# cat /usr/sbin/vznetaddbr

```
#!/bin/bash
# /usr/sbin/vznetaddbr
# a script to add virtual network interfaces (veth's) in a CT to a bridge on CT0

CONFIGFILE=/etc/vz/conf/$VEID.conf
. $CONFIGFILE
VZHOSTIF=`echo $NETIF |sed 's/^.*host_ifname=\(.*\),.*$/\1/g'`

if [ ! -n "$VZHOSTIF" ]; then
   echo "According to $CONFIGFILE CT$VEID has no veth interface configured."
   exit 1
fi

if [ ! -n "$VZHOSTBR" ]; then
   echo "According to $CONFIGFILE CT$VEID has no bridge interface configured."
   exit 1
fi

echo "Adding interface $VZHOSTIF to bridge $VZHOSTBR on CT0 for CT$VEID"
/sbin/ifconfig $VZHOSTIF 0
echo 1 > /proc/sys/net/ipv4/conf/$VZHOSTIF/proxy_arp
echo 1 > /proc/sys/net/ipv4/conf/$VZHOSTIF/forwarding
/usr/sbin/brctl addif $VZHOSTBR $VZHOSTIF
```

exit 0

[HN]# vzctl start 101

Starting VE ...
VE is mounted
Setting CPU units: 1000
Configure meminfo: 65536
Set hostname: satimis-desktop32
File resolv.conf was modified
Configure veth devices: veth101.0
/usr/sbin/vznetcfg: 20: source: not found
VE start in progress...

Same error "/usr/sbin/vznetcfg: 20: source: not found"

[HN]# brctl show

bridge name bridge id STP enabled interfaces
br0 8000.000ea6f9a35b no eth0

Put "set -x" on /etc/vz/vznet.conf

[HN]# cat /etc/vz/vznet.conf
#!/bin/bash
set -x
EXTERNAL_SCRIPT="/usr/sbin/vznetaddbr"

[HN]# vzctl start 101

Starting VE ...
VE is mounted
Setting CPU units: 1000
Configure meminfo: 65536
Set hostname: satimis-desktop32
File resolv.conf was modified
Configure veth devices: veth101.0
/usr/sbin/vznetcfg: 20: source: not found
VE start in progress...

Same output as abovementioned.

Following thread is relevent to my problem;
http://www.proxmox.com/forum/showthread.php?t=423

I use bridge NOT venet. Unfortunately the thread was discontinued. Neither can I figure out how to "delete the assigned IP address (Virtual Network Addresses (venet)) and click save. now you can select bridge." as "tom" mentioned on the thread.

B.R.
satimis

Subject: Re: VE networking question
Posted by piavlo on Mon, 25 Aug 2008 08:41:40 GMT
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I meant that you put the set -x in /usr/sbin/vznetaddbr

Subject: Re: VE networking question
Posted by satimis on Mon, 25 Aug 2008 14:16:31 GMT
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piavlo wrote on Mon, 25 August 2008 16:41 I meant that you put the set -x in /usr/sbin/vznetaddbr
Also tried. Same result "/usr/sbin/vznetcfg: 20: source: not found"

[Host]# vzctl start 101
Starting VE ...
VE is mounted
Setting CPU units: 1000
Configure meminfo: 65536
Set hostname: satimis-desktop32
File resolv.conf was modified
Configure veth devices: veth101.0
/usr/sbin/vznetcfg: 20: source: not found
VE start in progress...

[Host]# cat /usr/sbin/vznetaddbr
#!/bin/bash

```
# /usr/sbin/vznetaddbr
# a script to add virtual network interfaces (veth's) in a CT to a bridge on CT0
set -x
CONFIGFILE=/etc/vz/conf/$VEID.conf
. $CONFIGFILE
VZHOSTIF=`echo $NETIF |sed 's/^.*host_ifname=\(.*\),.*$/\1/g'`
....
```

Even placing it on top of the file

```
set -x
#!/bin/bash
# /usr/sbin/vznetaddbr
# a script to add virtual network interfaces (veth's) in a CT to a bridge on CT0
CONFIGFILE=/etc/vz/conf/$VEID.conf
. $CONFIGFILE
VZHOSTIF=`echo $NETIF |sed 's/^.*host_ifname=\(.*\),.*$/\1/g'`
....
```

There was no change on the output.

satimis

Subject: Re: VE networking question
Posted by hrabbit on Tue, 31 Mar 2009 06:39:20 GMT
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This appears to be an old thread but for others looking for a straight answer (which this thread doesn't appear to provide) I found a simple solution.

In /usr/sbin/vznetcfg you will notice at the top that the script actually tries to call "source" as a command.

This should be changed to a . (full stop) instead. This will cause it to source the actual VEID.conf file correctly, remove the error and continue on.

Old

```
[ -f "$VZNETCFG" ] && source "$VZNETCFG"
```

New

```
[ -f "$VZNETCFG" ] && . "$VZNETCFG"
```
