Subject: SOLVED * Veth on startup (again) + bridge config - venet config
Posted by sylvain on Mon, 20 Nov 2006 04:31:43 GMT
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Hi all,

I am using 5 VEs based on "centos-4-i386-minimal" template. I needed broadcast and I didn't care much about security so I configured my Ethernet device on each VE that I bridged on VE0: everything works fine!

Now I'd like to configure everything automatically when I run "vzctl start VEID".

Sounds like an old thread? Yes, another very similar question was asked. Installing the last version of vzctl would solve the problem. I already have the last version of the tool, however I still have a problem.

Here are a list of my problems:

venet0 is always configured inside the VE. I removed /etc/sysconfig/network-script/ifcfg-venet0 and it still appears at the next "vzctl start": I would like to get rid of this, and I would like to setup a proper routing for vethX inside the the VE.
it would be good if vethX could be added to vzbr0 when I run "vzctl start VEID". Is there a way to do this?

Here are the details of my configuration files:

A typical VEID.conf (without the copyright, thought)

ONBOOT="no"

# UBC parameters (in form of barrier:limit)
# Primary parameters
AVNUMPROC="40:40"
NUMPROC="65:65"
NUMTCPSOCK="80:80"
NUMOTHERSOCK="80:80"
VMGUARPAGES="6144:2147483647"
# Secondary parameters
KMEMSIZE="2752512:2936012"
TCPSNDBUF="319488:524288"
TCPRCVBUF="319488:524288"
OTHERSOCKBUF="132096:336896"
DGRAMRCVBUF="132096:132096"
OOMGUARPAGES="6144:2147483647"
# Auxiliary parameters
LOCKEDPAGES="32:32"

```
SHMPAGES="8192:8192"
PRIVVMPAGES="49152:53575"
NUMFILE="2048:2048"
NUMFLOCK="100:110"
NUMPTY="16:16"
NUMSIGINFO="256:256"
DCACHESIZE="1048576:1097728"
PHYSPAGES="0:2147483647"
NUMIPTENT="128:128"

# Disk quota parameters (in form of softlimit:hardlimit)
DISKSPACE="1048576:1153434"
DISKINODES="200000:220000"
QUOTATIME="0"

# CPU fair sheduler parameter
CPUUNITS="1000"
VE_ROOT="/users/home/vz/root/$VEID"
VE_PRIVATE="/users/home/vz/private/$VEID"
OSTEMPLATE="centos-4-i386-minimal"
IP_ADDRESS=""
ORIGIN_SAMPLE="vps.basic"
HOSTNAME="tcp1"
VETH="veth1,00:12:34:56:78:1A,eth1,00:12:34:56:78:1B "
```

Inside the corresponding VE, /etc/sysconfig/network-script/ifcfg-eth1

```
DEVICE=eth1
BOOTPROTO=none
BROADCAST=192.168.7.255
HWADDR=00:12:34:56:78:1B
IPADDR=192.168.7.1
NETMASK=255.255.255.0
NETWORK=192.168.7.0
ONBOOT=yes
TYPE=Ethernet
USERCTL=no
PEERDNS=yes
IPV6INIT=no
GATEWAY=none
```

It is indeed parsed at startup of the VE.

However, since it also parse ifcfg-venet0, I end up with this routing:

```
Kernel IP routing table
Destination     Gateway         Genmask         Flags Metric Ref    Use Iface
```

```
192.168.7.0     *               255.255.255.0   U     0      0        0 eth1
191.255.255.0   *               255.255.255.0   U     0      0        0 venet0
169.254.0.0     *               255.255.0.0     U     0      0        0 venet0
default         191.255.255.1   0.0.0.0         UG    0      0        0 venet0
```

Instead of this:

```
Kernel IP routing table
Destination     Gateway         Genmask         Flags Metric Ref    Use Iface
192.168.7.0     *               255.255.255.0   U     0      0        0 eth1
default         *               0.0.0.0         UG    0      0        0 eth1
```

Also I would like to get rid of the line GATEWAY in /etc/sysconfig/networking inside the VE:

```
NETWORKING="yes"
HOSTNAME="tcp1"
GATEWAY="191.255.255.1"
```

Finally I don't know when to execute "brctl add vzbr0 veth1".

Any help is much appreciated . VE0 is a RHEL4
