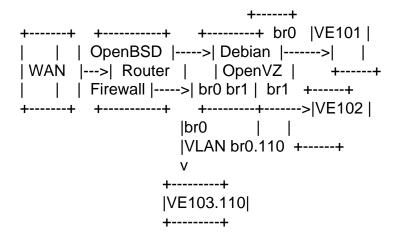Subject: OpenVZ with bridged interfaces and VLAN
Posted by deimosfr on Sun, 06 Jun 2010 07:44:18 GMT
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Hi !

I've got a problem with OpenVZ with bridged VLAN. Here is my configuration :

```
                                    +------+
                                    | br0  |VE101 |
 +-------+   +----------+    +---------+ br0  |VE101 |
 |       |   | OpenBSD  |----->| Debian  |------>|      |
 | WAN   |--->| Router   |    | OpenVZ  |      +------+
 |       |   | Firewall |----->| br0 br1 |  br1  +------+
 +-------+   +----------+    +---------+------->|VE102 |
                            |br0          |    |
                            |VLAN br0.110  +------+
                             v
                        +---------+
                        |VE103.110|
                        +---------+
```

I can't make VLAN work on br0 (br0.110) and I would like to understand why. I don't have any
switch so no problem with unmanageable switch.

When I say it doesn't work, for example I can't ping the default gateway and it works from other
hosts (not in VLAN).

I've configured a VLAN interface on OpenBSD in /etc/hostname.vlan110:
inet 192.168.110.254 255.255.255.0 NONE vlan 110 vlandev sis1

And it seems to be working fine. I've also adapted my PF configuration to work with VLAN but I
don't see any incoming traffic.

On my Debian Lenny, here is my interfaces configuration :

The loopback network interface
auto lo
iface lo inet loopback

br0
auto br0
iface br0 inet static
    address 192.168.100.1
    netmask 255.255.255.0
    gateway 192.168.100.254
    network 192.168.100.0
    broadcast 192.168.100.255
      bridge_ports eth0

```
        bridge_fd 9
        bridge_hello 2
        bridge_maxage 12
        bridge_stp off

# VLAN 110
auto br0.110
iface br0.110 inet static
    address 192.168.110.1
    netmask 255.255.255.0
    network 192.168.110.0
    gateway 192.168.110.254
    broadcast 192.168.110.255
    pre-up vconfig add br0 110
    post-down vconfig rem br0.110
```

It looks OK, but when I start my VE, here is the message:

```
...
Configure veth devices: veth103.0
Adding interface veth103.0 to bridge br0.110 on CT0 for VE103
can't add veth103.0 to bridge br0.110: Operation not supported
VE start in progress...
```

So I've got one error here. I've followed this documentation http://wiki.openvz.org/VLAN but it doesn't work. I've certainly missed something but I don't know why. Someone could help me please?

Thanks