
Subject: *SOLVED* bridged virtual ethernet netif_add, veth_add

Posted by [pjspjs](#) on Wed, 07 Mar 2007 14:26:58 GMT

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I can do something like:

```
vzctl set 101 --veth_add veth201.0,01:23:45:67:89:0A,eth2,01:23:45:67:89:0B --save
```

followed by `brctl addbr br0`

and then `brctl addif br0 veth201.0`

and this works,

but using the "preferred --netif_add", this creates a device which is not capable of joining a bridge.

any ideas, my concern is that --veth_add is "old style" and may disappear in the future?

Subject: Re: bridged virtual ethernet netif_add, veth_add

Posted by [Andrey Mirkin](#) on Wed, 07 Mar 2007 15:04:56 GMT

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Quote:but using the "preferred --netif_add", this creates a device which is not capable of joining a bridge.

That is not right, "--netif_add" and "--veth_add" are equal from point of view of resulted veth device. Why you have decided that you are not able to join veth device to bridge?

Subject: Re: bridged virtual ethernet netif_add, veth_add

Posted by [curx](#) on Wed, 07 Mar 2007 15:22:33 GMT

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the syntax of --netif_add differs to --veth_add

```
--netif_add ifname[,mac,host_ifname,host_mac]
```

ifname is the ethernet device name in the VE,

mac is its MAC address,

host_ifname is the ethernet device name on the host (VE0)

host_mac is its MAC address

as example:

```
vzctl set 101 --veth_add veth201.0,01:23:45:67:89:0A,eth2,01:23:45:67:89:0B
```

is same like:

vzctl set 101 --netif_add eth2,01:23:45:67:89:0B,veth201.0,01:23:45:67:89:0A

Subject: Re: bridged virtual ethernet netif_add, veth_add

Posted by [pjspjs](#) on Wed, 07 Mar 2007 21:44:24 GMT

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Here is a commandline which illustrates my issues. I have no issue with the --veth_add form....

```
[root@lt1 htdocs]# brctl addbr br122
[root@lt1 htdocs]# vzctl set 1001 --netif_add
eth0,02:23:01:22:10:01,veth122.1001,01:23:01:22:10:01 --save
Configure veth devices: veth122.1001
Saved parameters for VE 1001
[root@lt1 htdocs]# brctl addif br122 veth122.1001
can't add veth122.1001 to bridge br122: Invalid argument
[root@lt1 htdocs]# ifconfig -a
ath0    Link encap:Ethernet HWaddr 00:30:95:FE:21:F8
        inet addr:192.168.1.6 Bcast:255.255.255.255 Mask:255.255.255.0
        inet6 addr: fe80::230:95ff:fefe:21f8/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
        RX packets:2237 errors:0 dropped:0 overruns:0 frame:0
        TX packets:712 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:770894 (752.8 KiB) TX bytes:145876 (142.4 KiB)

br122    Link encap:Ethernet HWaddr 00:00:00:00:00:00
        BROADCAST MULTICAST 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)

eth0    Link encap:Ethernet HWaddr 00:90:F5:38:0B:2C
        UP BROADCAST MULTICAST 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:1000
        RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)
        Interrupt:21 Base address:0xc800

lo      Link encap:Local Loopback
        inet addr:127.0.0.1 Mask:255.0.0.0
        inet6 addr: ::1/128 Scope:Host
        UP LOOPBACK RUNNING MTU:16436 Metric:1
        RX packets:1543 errors:0 dropped:0 overruns:0 frame:0
```

TX packets:1543 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:2778708 (2.6 MiB) TX bytes:2778708 (2.6 MiB)

sit0 Link encap:IPv6-in-IPv4
NOARP MTU:1480 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
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)

veth122.1001 Link encap:Ethernet HWaddr 01:23:01:22:10:01
inet6 addr: fe80::323:1ff:fe22:1001/64 Scope:Link
UP BROADCAST RUNNING MULTICAST 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)

wifi0 Link encap:UNSPEC HWaddr 00-30-95-FE-21-F8-C8-90-00-00-00-00-00-00-00-00
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:22199 errors:0 dropped:0 overruns:0 frame:5518
TX packets:1421 errors:1 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:199
RX bytes:2322006 (2.2 MiB) TX bytes:200266 (195.5 KiB)
Interrupt:19 Memory:e0960000-e0970000

```
[root@lt1 htdocs]# brctl delif br122 veth122.1001
device veth122.1001 is not a slave of br122
[root@lt1 htdocs]# brctl show br122
bridge name    bridge id        STP enabled    interfaces
br122          8000.000000000000  no
[root@lt1 htdocs]# brctl delbr br122
[root@lt1 htdocs]# vzctl set 1001 --netif_del eth0
Deleting veth devices: veth122.1001
```

Message from syslogd@lt1 at Wed Mar 7 21:29:17 2007 ...
lt1 kernel: unregister_netdevice: waiting for veth122.1001 to become free. Usage count = 2

Message from syslogd@lt1 at Wed Mar 7 21:29:58 2007 ...
lt1 last message repeated 4 times

Subject: Re: bridged virtual ethernet netif_add, veth_add

Posted by [curx](#) on Wed, 07 Mar 2007 23:02:03 GMT

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```
> [root@lt1 htdocs]# brctl addbr br122
> [root@lt1 htdocs]# vzctl set 1001 --netif_add
eth0,02:23:01:22:10:01,veth122.1001,01:23:01:22:10:01 --save
```

After rereading your last post, i catch it, you can't use a MAC ADDRESS with x1:xx:xx:xx:xx:xx (mac of veth122.1001).

Please read Andrey Mirkin post, why not at

<http://forum.openvz.org/index.php?t=tree&th=1132&mid=6391&&rev=&reveal=>
