Subject: *SOLVED* bridged virtual ethernets 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 ethernets 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 ethernets 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 ethernets 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 ethernets 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=