
Subject: Bridge inside a VE

Posted by [jmslkn](#) on Tue, 26 Jun 2007 13:34:31 GMT

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Is there any way to create and use a bridge inside a VE? I have a DNAT-ed OpenVPN server inside a VE, and I would like to create a bridged OpenVPN setup for the local VEs.

```
brctl addbr br0
add bridge failed: Invalid argument
```

```
strace brctl addbr br0
execve("/usr/sbin/brctl", ["brctl", "addbr", "br0"], [/* 11 vars */) = 0
uname({sys="Linux", node="meta", ...}) = 0
brk(0) = 0x804e000
access("/etc/ld.so.nohwcap", F_OK) = -1 ENOENT (No such file or directory)
mmap2(NULL, 8192, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xb7fe7000
access("/etc/ld.so.preload", R_OK) = -1 ENOENT (No such file or directory)
open("/etc/ld.so.cache", O_RDONLY) = 3
fstat64(3, {st_mode=S_IFREG|0644, st_size=15630, ...}) = 0
mmap2(NULL, 15630, PROT_READ, MAP_PRIVATE, 3, 0) = 0xb7fe3000
close(3) = 0
access("/etc/ld.so.nohwcap", F_OK) = -1 ENOENT (No such file or directory)
open("/lib/tls/libc.so.6", O_RDONLY) = 3
read(3, "\177ELF\1\1\1\0\0\0\0\0\0\0\0\0\0\3\0\3\0\1\0\0\0\240O\1"... , 512) = 512
fstat64(3, {st_mode=S_IFREG|0644, st_size=1241392, ...}) = 0
mmap2(NULL, 1251484, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0xb7eb1000
mmap2(0xb7fd9000, 28672, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x127) = 0xb7fd9000
mmap2(0xb7fe0000, 10396, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0xb7fe0000
close(3) = 0
mmap2(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xb7eb0000
mprotect(0xb7fd9000, 20480, PROT_READ) = 0
set_thread_area({entry_number:-1 -> 6, base_addr:0xb7eb06c0, limit:1048575, seg_32bit:1, contents:0, read_exec_only:0, limit_in_pages:1, seg_not_present:0, useable:1}) = 0
munmap(0xb7fe3000, 15630) = 0
socket(PF_INET, SOCK_STREAM, IPPROTO_IP) = 3
ioctl(3, 0x89a0, 0xbfcbbf1d) = -1 EPERM (Operation not permitted)
ioctl(3, SIOCSIFBR, 0xbfcbf0a8) = -1 EINVAL (Invalid argument)
write(2, "add bridge failed: Invalid argum"... , 36add bridge failed: Invalid argument
) = 36
exit_group(1) = ?
```

Any idea?

Subject: Re: Bridge inside a VE

Posted by [Vasily Tarasov](#) on Thu, 28 Jun 2007 07:36:06 GMT

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bridges can't be used inside VE, only on host-node. Probably this article can help you:

[http://wiki.openvz.org/Virtual_Ethernet_device#Virtual_ether
net_devices_can_be_joined_in_one_bridge](http://wiki.openvz.org/Virtual_Ethernet_device#Virtual_ether
net_devices_can_be_joined_in_one_bridge)

Vasily.
