

Subject: problem with socketcan in a VE
Posted by [sleepy](#) on Wed, 12 Jan 2011 15:35:15 GMT
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Hi,

I'm trying to use socketcan within a VE.
On the host it runs without problems.

I'm running Proxmox 1.7 as host and Ubuntu 10.04 as VE

```
host# pveversion -v
pve-manager: 1.7-10 (pve-manager/1.7/5323)
running kernel: 2.6.32-4-pve
proxmox-ve-2.6.32: 1.7-30
pve-kernel-2.6.32-4-pve: 2.6.32-30
qemu-server: 1.1-28
pve-firmware: 1.0-10
libpve-storage-perl: 1.0-16
vncterm: 0.9-2
vzctl: 3.0.24-1pve4
vzdump: 1.2-10
vzprocps: 2.0.11-1dso2
vzquota: 3.0.11-1
pve-qemu-kvm: 0.13.0-3
ksm-control-daemon: 1.0-4
```

On the host I loaded the required modules and moved the network device to the VE

```
host# lsmod
Module           Size  Used by
vcan            1575  0
can_raw         5287  0
can            27914  1 can_raw
```

```
host# vzctl set 110 --netdev_add vcan0
WARNING: Settings were not saved and will be reset to original values at the next start (use
--save flag)
```

I got the device in the VE and also the protocol.

I get the device in the VE and

```
RX packets:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
Kollisionen:0 Sendewarteschlangenlänge:0
RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)
```

VE:/proc/net/can# cat protocols

protocol	size	sockets	memory	press	maxhdr	slab	module	cl	co	di	ac	io	in	de	sh	ss	gs	se	re	sp	bi	br	ha	uh	gp	em	
DDP	664	0	-1	NI	0	no	appletalk	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
IPX	688	0	-1	NI	0	yes	ipx	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
ROSE	1160	0	-1	NI	0	no	rose	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
NETROM	1144	0	-1	NI	0	no	netrom	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AX25	656	0	-1	NI	0	no	ax25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
CAN_RAW	728	0	-1	NI	0	no	can_raw	n	n	n	n	y	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
PACKET	920	0	-1	NI	0	no	kernel	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
RAWv6	1032	0	-1	NI	0	yes	kernel	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	
UDPLITEv6	1024	0	-1	NI	0	yes	kernel	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	
UDPV6	1024	0	16	NI	0	yes	kernel	y	y	y	n	y	n	y	y	y	y	y	y	y	y	y	y	y	y	y	
TCPv6	1856	4	56	no	304	yes	kernel	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	
UNIX	784	1051	-1	NI	0	yes	kernel	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
UDP-Lite	856	0	-1	NI	0	yes	kernel	y	y	y	y	y	n	y	y	y	y	y	y	y	y	y	y	y	y	y	
RAW	832	0	-1	NI	0	yes	kernel	y	y	y	y	y	y	n	y	y	y	y	y	y	y	y	y	y	y	y	
UDP	856	4	16	NI	0	yes	kernel	y	y	y	n	y	n	y	y	y	y	y	y	y	y	y	y	y	y	y	
TCP	1688	25	56	no	304	yes	kernel	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	
NETLINK	784	9	-1	NI	0	no	kernel	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		

When I try to open a socket (e.g. with candump) I get:

VE:~\$ candump vcan0
socket: Address family not supported by protocol

Have I missed something or are there any restrictions using socketcan within a VE?

Any ideas?

Thanx in advance.

Subject: Re: problem with socketcan in a VE
Posted by [curx](#) on Wed, 12 Jan 2011 18:33:38 GMT
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Hi

can you use the candump with strace, and post the relevant info to the list, maybe open a bug report at <http://bugzilla.openyz.org>.

Bye,
Thorsten

Subject: Re: problem with socketcan in a VE
Posted by [sleepy](#) on Mon, 17 Jan 2011 11:09:24 GMT
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Thanks for your reply.

strace output:

```
mprotect(0xb7774000, 8192, PROT_READ) = 0
mprotect(0xb77a4000, 4096, PROT_READ) = 0
munmap(0xb777a000, 49466)          = 0
rt_sigaction(SIGTERM, {0x8048b00, [TERM], SA_RESTORER|SA_RESTART, 0xb765b6a8},
{SIG_DFL, [], 0}, 8) = 0
rt_sigaction(SIGHUP, {0x8048b00, [HUP], SA_RESTORER|SA_RESTART, 0xb765b6a8},
{SIG_DFL, [], 0}, 8) = 0
rt_sigaction(SIGINT, {0x8048b00, [INT], SA_RESTORER|SA_RESTART, 0xb765b6a8},
{SIG_DFL, [], 0}, 8) = 0
socket(0x1d /* PF_??? */, SOCK_RAW, 1) = -1 EAFNOSUPPORT (Address family not supported
by protocol)
dup(2)                      = 3
fcntl64(3, F_GETFL)          = 0x8002 (flags O_RDWR|O_LARGEFILE)
brk(0)                       = 0x8bc4000
brk(0x8be5000)              = 0x8be5000
fstat64(3, {st_mode=S_IFCHR|0620, st_rdev=makedev(136, 8), ...}) = 0
mmap2(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0xb7786000
_llseek(3, 0, 0xbfb88284, SEEK_CUR) = -1 ESPIPE (Illegal seek)
write(3, "socket: Address family not suppo"..., 49socket: Address family not supported by protocol
) = 49
close(3)                     = 0
munmap(0xb7786000, 4096)      = 0
exit_group(1)                = ?
```

Subject: Re: problem with socketcan in a VE
Posted by [sleepy](#) on Mon, 17 Jan 2011 15:52:46 GMT
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I created a bug report:

bugzilla.openvz.org/show_bug.cgi?id=1743

Quote:--- Comment #1 from Pavel Emelyanov 2011-01-17 09:13:13 EST ---
We don't support the CAN protocol in CTs yet.
