Subject: running dnstop in vm doesn't work -> unsupported data link type 113
Posted by rema on Wed, 08 Nov 2006 17:38:13 GMT
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Hello,

I installed a debian based openvz machine.
Into a VM i tried to run dnstop for monitoring dns-request.

I even get this errormessage:

root:mirror-12:/# dnstop venet0:0
unsupported data link type 113

any ideas ?

Best Rene

Subject: Re: running dnstop in vm doesn't work -> unsupported data link type 113
Posted by dev on Fri, 10 Nov 2006 16:47:01 GMT
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strace -f -o out dnstop venet0:0
and attach out file then.

Subject: Re: running dnstop in vm doesn't work -> unsupported data link type 113
Posted by rema on Fri, 10 Nov 2006 18:41:23 GMT
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tnx fpr your anwser.

```
15608 execve("/usr/sbin/dnstop", ["dnstop", "venet0:0"], [/* 11 vars */]) = 0
15608 uname({sys="Linux", node="dexxxxxxx", ...}) = 0
15608 brk(0)                            = 0x80ce000
15608 old_mmap(NULL, 4096, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0x40017000
15608 access("/etc/ld.so.nohwcap", F_OK) = -1 ENOENT (No such file or directory)
15608 open("/etc/ld.so.preload", O_RDONLY) = -1 ENOENT (No such file or directory)
15608 open("/etc/ld.so.cache", O_RDONLY) = 3
15608 fstat64(3, {st_mode=S_IFREG|0644, st_size=9241, ...}) = 0
15608 old_mmap(NULL, 9241, PROT_READ, MAP_PRIVATE, 3, 0) = 0x40018000
15608 close(3)                          = 0
15608 access("/etc/ld.so.nohwcap", F_OK) = -1 ENOENT (No such file or directory)
15608 open("/usr/lib/libpcap.so.0.8", O_RDONLY) = 3
```

```
15608 read(3, "\177ELF\1\1\1\0\0\0\0\0\0\0\0\0\3\0\3\0\1\0\0\0P6\0\000"..., 512) = 512
15608 fstat64(3, {st_mode=S_IFREG|0644, st_size=150544, ...}) = 0
15608 old_mmap(NULL, 151548, PROT_READ|PROT_EXEC, MAP_PRIVATE, 3, 0) =
0x4001b000
15608 old_mmap(0x4003f000, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED,
3, 0x24000) = 0x4003f000
15608 close(3)                          = 0
15608 access("/etc/ld.so.nohwcap", F_OK) = -1 ENOENT (No such file or directory)
15608 open("/lib/libncurses.so.5", O_RDONLY) = 3
15608 read(3, "\177ELF\1\1\1\0\0\0\0\0\0\0\0\0\3\0\3\0\1\0\0\0\220\342"..., 512) = 512
15608 fstat64(3, {st_mode=S_IFREG|0644, st_size=252592, ...}) = 0
15608 old_mmap(NULL, 257868, PROT_READ|PROT_EXEC, MAP_PRIVATE, 3, 0) =
0x40040000
15608 old_mmap(0x40076000, 36864, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED, 3, 0x35000) = 0x40076000
15608 close(3)                          = 0
15608 access("/etc/ld.so.nohwcap", F_OK) = -1 ENOENT (No such file or directory)
15608 open("/lib/tls/libc.so.6", O_RDONLY) = 3
15608 read(3, "\177ELF\1\1\1\0\0\0\0\0\0\0\0\0\3\0\3\0\1\0\0\0`Z\1\000"..., 512) = 512
15608 fstat64(3, {st_mode=S_IFREG|0755, st_size=1254660, ...}) = 0
15608 old_mmap(NULL, 1264972, PROT_READ|PROT_EXEC, MAP_PRIVATE, 3, 0) =
0x4007f000
15608 old_mmap(0x401a9000, 36864, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED, 3, 0x129000) = 0x401a9000
15608 old_mmap(0x401b2000, 7500, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0x401b2000
15608 close(3)                          = 0
15608 old_mmap(NULL, 4096, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0x401b4000
15608 set_thread_area({entry_number:-1 -> 6, base_addr:0x401b4580, limit:1048575,
seg_32bit:1, contents:0, read_exec_only:0, limit_in_pages:1, seg_not_present:0, useable:1}) = 0
15608 munmap(0x40018000, 9241)          = 0
15608 brk(0)                            = 0x80ce000
15608 brk(0x80ef000)                    = 0x80ef000
15608 brk(0)                            = 0x80ef000
15608 time(NULL)                        = 1163183883
15608 stat64("venet0:0", 0xbffff944)    = -1 ENOENT (No such file or directory)
15608 socket(PF_PACKET, SOCK_RAW, 768)  = 3
15608 ioctl(3, SIOCGIFINDEX, {1, "lo"}) = 0
15608 ioctl(3, SIOCGIFHWADDR, 0xbffff730) = 0
15608 close(3)                          = 0
15608 socket(PF_PACKET, SOCK_DGRAM, 768) = 3
15608 ioctl(3, SIOCGIFINDEX, {3, "venet0:0"}) = 0
15608 bind(3, {sa_family=AF_PACKET, proto=0x03, if3, pkttype=PACKET_HOST, addr(0)={0, },
20) = 0
15608 getsockopt(3, SOL_SOCKET, SO_ERROR, [0], [4]) = 0
15608 setsockopt(3, SOL_PACKET, PACKET_ADD_MEMBERSHIP,
"\3\0\0\0\1\0\0\0\0\0\0\0\0\0\0\0", 16) = 0
```

```
15608 ioctl(1, SNDCTL_TMR_TIMEBASE or TCGETS, {B38400 opost isig icanon echo ...}) = 0
15608 setsockopt(3, SOL_SOCKET, SO_ATTACH_FILTER, "\1\0\0\0\10\360\3@", 8) = 0
15608 fcntl64(3, F_GETFL)               = 0x2 (flags O_RDWR)
15608 fcntl64(3, F_SETFL, O_RDWR|O_NONBLOCK) = 0
15608 recv(3, 0xbffff96b, 1, MSG_TRUNC) = -1 EAGAIN (Resource temporarily unavailable)
15608 fcntl64(3, F_SETFL, O_RDWR)       = 0
15608 setsockopt(3, SOL_SOCKET, SO_ATTACH_FILTER, "\16\0\1@\260\350\f\10", 8) = 0
15608 write(2, "unsupported data link type 113\n", 31) = 31
15608 exit_group(1)                     = ?
```

Maybe this lines ?

```
15608 access("/etc/ld.so.nohwcap", F_OK) = -1 ENOENT (No such file or directory)
15608 open("/etc/ld.so.preload", O_RDONLY) = -1 ENOENT (No such file or directory)
```

Subject: Re: running dnstop in vm doesn't work -> unsupported data link type 113
Posted by dev on Fri, 10 Nov 2006 19:58:13 GMT
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can you also strace it on working node plz?

Subject: Re: running dnstop in vm doesn't work -> unsupported data link type 113
Posted by Alexandr Andreev on Mon, 13 Nov 2006 14:25:29 GMT
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Generally you can't use dnstop with venet0, because venet0 is a special interface and dnstop knows nothing about it.

You can use virtual ethernet device (veth) instead (http://wiki.openvz.org/Veth)

But if it's critical for you to use venet, we can make a patch for dnstop (or maybe for libpcap) and you will be able to use dnstop with venet.

Subject: Re: running dnstop in vm doesn't work -> unsupported data link type 113
Posted by Alexandr Andreev on Mon, 13 Nov 2006 15:50:41 GMT
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Here is a quick patch for dnstool.c

http://bugzilla.openvz.org/show_bug.cgi?id=345

Subject: Re: running dnstop in vm doesn't work -> unsupported data link type 113
Posted by rema on Mon, 13 Nov 2006 20:43:57 GMT
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tnx for the patch, i'll try it out and post the result.

best rema

Subject: Re: running dnstop in vm doesn't work -> unsupported data link type 113
Posted by aseques on Fri, 24 Apr 2009 08:33:40 GMT
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Just for the record, the version from the official site works fine with venet interfaces without patching.

You can get it here: http://dns.measurement-factory.com/tools/dnstop/src/dnstop-20090128.tar.gz