

Bridged networking on /dev/vmnet0 not ...



4Filler 11 posts since

Jul 13, 2007 Hello VMware community,

I have a problem when installing VMware Server (1.0.4 and also tried beta 2) on a Dual-Xeon Server running SUSE Enterprise Server 10 Linux:

The perl-configuration script says it will install vmnet0 for bridged networking on eth0 (also confirmed via editor-configuration-mode) but it doesn't. The result is the following:

At starting vmware service:

Starting VMware services:

Virtual machine monitor done

Virtual ethernet done

Bridged networking on /dev/vmnet0 done

Host-only networking on /dev/vmnet1 (background) done

Host-only networking on /dev/vmnet8 (background) done

NAT service on /dev/vmnet8 done

Starting VMware virtual machines... done

The ifconfig -a one minute after service start:

```
eth0 Link encap:Ethernet HWaddr 00:30:48:34:46:42
inet addr:141.28.126.107 Bcast:141.28.126.255 Mask:255.255.255.0
inet6 addr: fe80::230:48ff:fe34:4642/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:519 errors:0 dropped:0 overruns:0 frame:0
TX packets:448 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:95873 (93.6 Kb) TX bytes:64787 (63.2 Kb)
Base address:0x2000 Memory:d8200000-d8220000

eth1 Link encap:Ethernet HWaddr 00:30:48:34:46:43
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)
Base address:0x2020 Memory:d8220000-d8240000
```

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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:20 errors:0 dropped:0 overruns:0 frame:0

TX packets:20 errors:0 dropped:0 overruns:0 carrier:0

collisions:0 txqueuelen:0

RX bytes:1300 (1.2 Kb) TX bytes:1300 (1.2 Kb)

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)

vmnet1 Link encap:Ethernet HWaddr 00:50:56:C0:00:01

inet addr:172.16.170.1 Bcast:172.16.170.255 Mask:255.255.255.0

inet6 addr: fe80::250:56ff:fec0:1/64 Scope:Link

UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1

RX packets:0 errors:0 dropped:0 overruns:0 frame:0

TX packets:27 errors:0 dropped:0 overruns:0 carrier:0

collisions:0 txqueuelen:1000

RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)

vmnet8 Link encap:Ethernet HWaddr 00:50:56:C0:00:08

inet addr:172.16.31.1 Bcast:172.16.31.255 Mask:255.255.255.0

inet6 addr: fe80::250:56ff:fec0:8/64 Scope:Link

UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1

RX packets:0 errors:0 dropped:0 overruns:0 frame:0

TX packets:27 errors:0 dropped:0 overruns:0 carrier:0

collisions:0 txqueuelen:1000

RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)

The result:

So I can't use bridged-networking...has anyone any ideas how to fix this?

Thanks a lot,

Andreas Tags: networking, bridged_networking, suse, linux, problem



[oreeh](#) 9,872 posts since

Bridged networking on /dev/vmnet0 not ...

Nov 30, 2005 1. **Re: Bridged networking on /dev/vmnet0 not created at configuration** Nov 21, 2007 2:17 AM

There's no vmnet0 device.

To check if eth0 is bridged to vmnet0 check the output of

```
ps ax | grep bridge
```

it should be similar to

```
3175 ? S 0:00  
/usr/bin/vmnet-bridge -d /var/run/vmnet-bridge-0.pid /dev/vmnet0  
eth0
```



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Jul 13, 2007 2. **Re: Bridged networking on /dev/vmnet0 not created at configuration** Nov 21, 2007 2:19 AM

👤 in response to: [oreeh](#) Hi, thanks for helping!

This is the result:

```
4586 pts/0 S 0:00 /usr/bin/vmnet-bridge -d /var/run/vmnet-bridge-0.pid /dev/vmnet0 eth0
```

```
4822 pts/0 S+ 0:00 grep bridge
```



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Nov 30, 2005 3. **Re: Bridged networking on /dev/vmnet0 not created at configuration** Nov 21, 2007 2:20 AM

👤 in response to: [4Filler](#) Then eth0 is properly bridged to vmnet0 and you should be able to use vmnet0.



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Jul 13, 2007 4. **Re: Bridged networking on /dev/vmnet0 not created at configuration** Nov 21, 2007 2:38 AM

👤 in response to: [oreeh](#) Is it normal that it's not listed with ifconfig? Because my major problem was that my guests could only ping my hosts IP address but nothing more.



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Nov 30, 2005 5. **Re: Bridged networking on /dev/vmnet0 not created at configuration** Nov 21, 2007 2:43 AM

👤 in response to: [4Filler](#) Is it normal that it's not listed with ifconfig?Yes

Because my major problem was that my guests could only ping my hosts IP address but nothing more. There are a lot of possible reasons for this.


- firewall settings
- NIC driver issues
- switch settings (ignoring / denying additional MAC addresses on the port)
- ...



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Bridged networking on /dev/vmnet0 not ...


Jul 13, 2007 6. **Re: Bridged networking on /dev/vmnet0 not created at configuration** Nov 21, 2007 4:40 AM

 in response to: [oreeh](#) Thanks a lot for helping, the problem was the activated port security in the switch configuration 😊



[Blind Tiger](#) 6 posts since

Jun 21, 2008 7. **Re: Bridged networking on /dev/vmnet0 not created at configuration** Aug 10, 2008 5:06 PM

 in response to: [4Filler](#)

I have the same issue, Ubuntu Hardy, XP guest OS, sonicwall can't acquire ip address, or can't connect at all using bridged networking.

```
~$ ps ax | grep bridge
```

```
6132 ? S 0:00 /usr/bin/vmnet-bridge -d /var/run/vmnet-bridge-0.pid /dev/vmnet0 eth0
```

```
6893 pts/0 R+ 0:00 grep bridge
```