

# Networking with VMplayer ...

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[continuum](#) 12,624 posts since

Dec 18, 2003 If you want the same connectivity with VMplayer that you got with Workstation use a detailed vmx-file:

Add

```
ethernet0.present = "TRUE"
ethernet0.connectionType = "custom"
ethernet1.present = "TRUE"
ethernet1.connectionType = "custom"
ethernet2.present = "TRUE"
ethernet2.connectionType = "custom"
(ethernet3.present = "TRUE"
ethernet3.connectionType = "custom")
```

first and then enter the vmnets like

```
ethernet0.vnet = "vmnet0"
ethernet1.vnet = "vmnet2"
ethernet2.vnet = "vmnet1"
(ethernet3.vnet = "vmnet8")
```

This will show up in the Player's GUI as connected - BUT none of the Bridged, NAT or Hostonly signs are checked.

You are NOT limited to ONE bridged, or NAT or hostonly-network.

Ulli



[sbeaver](#) 7,719 posts since

Nov 1, 2004 **1. Re: Networking with VMplayer** Nov 22, 2005 8:04 AM

Nice post Ulli!!



[JMills](#) 2,621 posts since

Jun 18, 2004 **2. Re: Networking with VMplayer** Nov 22, 2005 6:22 PM

And if you add:

[code]

```
ethernet0.startConnected = "TRUE"
ethernet1.startConnected = "TRUE"
ethernet2.startConnected = "TRUE"
```

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```
ethernet3.startConnected = "TRUE"
```

[/code]

?



[continuum](#) 12,624 posts since

Dec 18, 2003 3. **Re: Networking with VMplayer** Nov 23, 2005 1:29 PM

in response to: [JMills](#) This should only be needed to if you added

ethernet0.startConnected = "FALSE" before the last time you booted the VM and want to switch back to normal operation.

I think setting ethernet0.present = "TRUE" silently sets

ethernet0.startConnected = "TRUE" as well.

Don't know if you have a term for entries like that - I call them invisible defaults.

It doesn't hurt to add them but defacto they are only necessary when you change the default.

I think there are more of this invisible defaults for ethernet-settings: just giving some examples ...

vlanace.noOprom = "TRUE" - can be used to turn-off the boot-rom for networkboot

```
ethernet0.allow64bitVlanace = "FALSE"
```

```
ethernet0.allow64bitVmxnet = "FALSE"
```

```
ethernet0.allowGuestConnectionControl = "TRUE" - disable changing nics with the GUI
```

```
ethernet0.noPromisc = "FALSE" - disable promiscuous mode
```

```
ethernet0.noForgedSrcAddr = "FALSE" - disable guest changing its MAC?
```

```
ethernet0.ignoreMACAddressConflict = "FALSE"
```



[Ninho](#) 218 posts since

Feb 24, 2006 4. **Re: Networking with VMplayer** Nov 23, 2005 1:29 PM

in response to: [continuum](#) **vlanace.noOprom = "TRUE" - turn-off the boot-rom for networkboot**

Very useful indeed. Does someone know how to turn-off the 16 k USB legacy bbot-rom which sits at 000DC000h ?

Also, can we have our own ROM files (including, maybe, modified main BIOS) and set them up at selected addresses ?



[Ninho](#) 218 posts since

Feb 24, 2006 5. **null. disregard** Nov 23, 2005 1:29 PM


in response to: [continuum](#) sorry



[Ninho](#) 218 posts since

Feb 24, 2006 6. **Null again, argh, sorry** Nov 23, 2005 1:29 PM

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 in response to: [continuum](#) (grrr)



[san44s](#) 1 posts since

Feb 22, 2006 7. **Re: Networking with VMplayer** Feb 22, 2006 10:35 PM

It didnt work.

My host has 2 NICs

NIC1 connected to 10.0.0.2

NIC2 connected to 137.111.242.7

Guest XP OS

Ethernet IP 10.0.0.4

vmx

.....

```
ethernet0.present = "TRUE"
```

```
ethernet0.connectionType = "custom"
```

```
ethernet1.vnet = "vmnet2"
```

.....

I want my guest to only talk to 10.0.0 network. It works fine. but when I chage the IP of guest NIC to 137.X.X.X. Try ping it wont work.

As soon as I unplug 10.0.0 network cable it starts working.

Can I get my VMPlayer to only talk to 10.0.0 NIC and network? Please help.



[Borg Number O...](#) 33 posts since

Dec 24, 2004 8. **Re: Networking with VMplayer** Jun 23, 2006 2:42 AM

Hi.

1.)

Referring to networking, and using own (Etherboot or any other network boot code, ...), I figured out many further interesting nonofficial switches, which were not known before.

The most interesting of the new switches are following:

```
e1000bios.filename = "path/filename to an external Intel E1000 network boot ROM"
```

```
nbios.filename = "path/filename to an external AMD LANCE network boot ROM"
```

```
nxbios.filename = "path/filename to an external VMXNET network boot ROM"
```

Examples:

```
ethernet0.present = "TRUE"
```

```
ethernet0.virtualDev = "e1000"
```

```
ethernet0.startConnected = "TRUE"
```

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```
ethernet0.connectionType = "bridged"  
e1000bios.filename = "C:\bios\eb-5.4.2-e1000-82545em-copper.zrom"  
  
ethernet1.present = "TRUE"  
ethernet1.virtualDev = "vlance"  
ethernet1.startConnected = "TRUE"  
ethernet1.connectionType = "bridged"  
nbios.filename = "C:\Program files\VMware\VMware Workstation\vlance-org.bin"  
  
ethernet2.present = "TRUE"  
ethernet2.virtualDev = "vmxnet"  
ethernet2.startConnected = "TRUE"  
ethernet2.connectionType = "bridged"  
nxbios.filename = "C:\Program files\VMware\VMware Workstation\vmware-vmxnet-org.bin"
```

For the Etherboot mailing list, I also prepared a small article and a nice animation:

<http://bnobtc.pix-art.com/etherboot-oprom-in-vmware-and-bochs.txt>

<http://bnobtc.pix-art.com/images/borgbios/vmware/etherboot-in-vmware.gif>

2.)

Referring to the USB stuff, I also took a memory dump ( suspend / pause VMware emulation to get a memory dump) and I could not find any USB related string / USB related code at 000DC000h .

I just could find the VGA BIOS at 000C0000h. 😊

Could you list 16...64 Bytes (hex code) from 000DC000h of your memory dump here?

Are there typical (USB related) strings from 000DC000 - 000EFFFF in your memory dump?