

# Seth Keiper

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- [C-WD.NET](#) – What I do.
- [Cleveland Web Standards Association](#) – The Cleveland Web Standards Association exists to promote a relaxed environment for developers across the spectrum to associate and

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- [Erie Linux Users Group](#)
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## VirtualBox Port Forwarding with Windows Host

The first of many ways to handle [VirtualBox's](#) virtualization is to Port Forward. Make sure you have the latest of [VirtualBox](#). This allows a person to connect to the virtual machine directly through SSH or view the web server through a browser. Basically, we have the host machine (your actual computer's Operating System) and your guest machine (your virtual machine). This is the Microsoft Windows how to. [Here](#) is the GNU/Linux version.

First, you need to go to start menu > run > type in cmd.exe

Then type in the windows host's terminal application:

```
cd C:\Program Files\Sun\VirtualBox\
```

And hit the enter key.

In your windows host's terminal application, run the following commands:

```
VBoxManage.exe setextradata "name of vm" "VBoxInternal/Devices/pcnet/0/LUN#0  
/Config/ssh/HostPort" 2222  
VBoxManage.exe setextradata "name of vm" "VBoxInternal/Devices/pcnet/0/LUN#0  
/Config/ssh/GuestPort" 22  
VBoxManage.exe setextradata "name of vm" "VBoxInternal/Devices/pcnet/0/LUN#0  
/Config/ssh/Protocol" TCP
```

Before running those commands, replace the following with your personal settings:

- Replace "name of vm" with your virtual machine
- Replace ssh with the preferred name you want. This is required to be **unique** among the three commands.
- Replace 2222, 22, TCP respectively with your desired host port, guest port, and protocol.

I use port 2222 for the host in this example so it will not conflict on most configurations. This can be replaced with any port setup you desire:

- Apache (port 80)
- MYSQL (port 3306 [**Update:** requires both TCP and UDP])
- Any many more possibilities

*One important note is to make sure you restart all VirtualBox applications (ie. the virtual machine, VirtualBox GUI, all of it). This allows the settings to be used properly.*

Once this is done and **your virtual machine is restarted**, run these commands to verify:

```
VBoxManage.exe getextradata "name of vm" enumerate
```

And/or

```
ssh -l user_name -p 2222 localhost
```

If you want to clear the virtual machine settings, run this ( **Only use this command if you want to clear the settings for this!** ):

```
VBoxManage.exe setextradata "name of vm" "VBoxInternal/Devices/pcnet/0/LUN#0  
/Config/ssh/HostPort"
```

```
VBoxManage.exe setextradata "name of vm" "VBoxInternal/Devices/pcnet/0/LUN#0  
/Config/ssh/GuestPort"
```

```
VBoxManage.exe setextradata "name of vm" "VBoxInternal/Devices/pcnet/0/LUN#0  
/Config/ssh/Protocol"
```

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## One Response to “VirtualBox Port Forwarding with Windows Host”

1. [VirtualBox Port Forwarding with Linux Host : Seth Keiper](#) says:  
[August 17th, 2008 at 3:29 pm](#)

[...] VirtualBox Port Forwarding with Windows Host [...]

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