Assignment 5

Q) **Install any 5 VM's of your choice and network all of them together. You should be ableto access internet on any of the VM's. Document the procedure with appropriate screenshots.**

To install and network multiple virtual machines (VMs) together, you will need to use a virtualization software such as VMware Workstation or VirtualBox. Here is a general overview of the steps you can follow to install and network multiple VMs on a Windows or Linux host machine:

1. Download and install the virtualization software of your choice on your host machine.

2. Once the software is installed, launch it and create a new virtual machine. You will need to specify the operating system you want to install on the VM and allocate resources such as memory and storage.

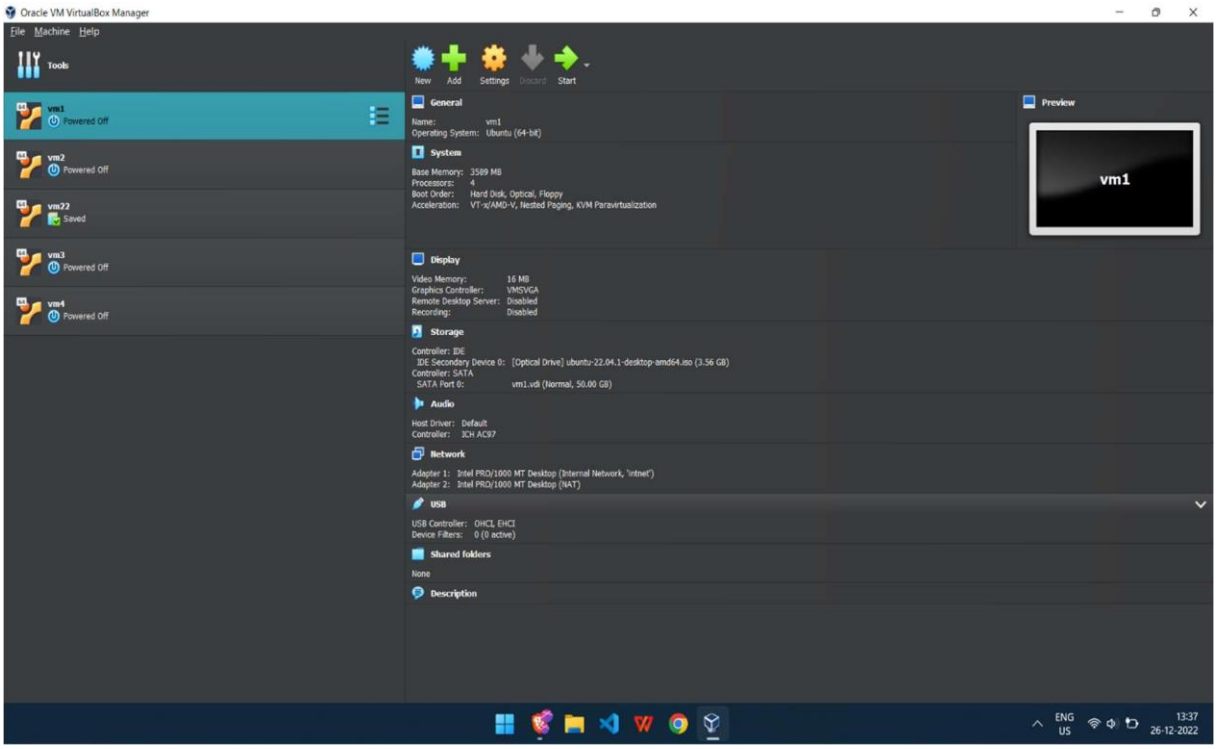
3. Install the operating system on the VM by following the prompts. You will need to provide a valid product key if required.

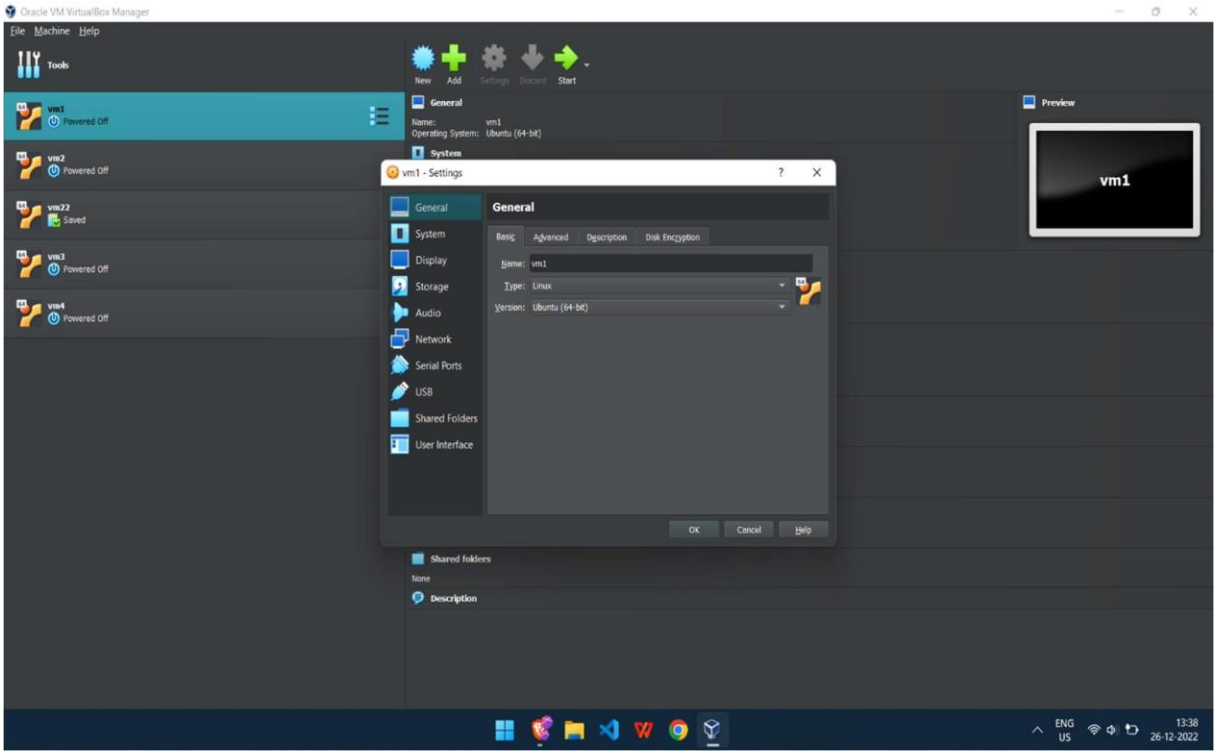
4. Repeat steps 2 and 3 to create additional VMs.

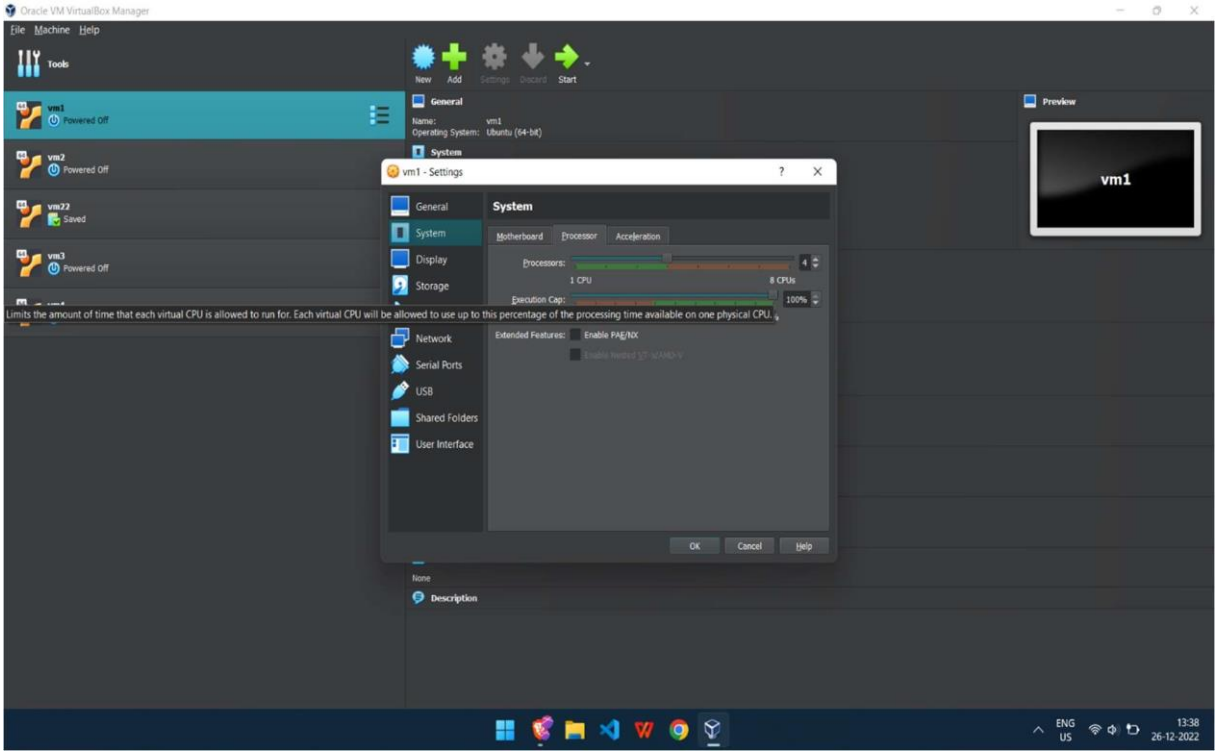
5. To network the VMs together, you will need to configure the virtual network settings in the virtualization software. Depending on the software you are using, this may involve creating a virtual network switch or setting up network address translation (NAT).

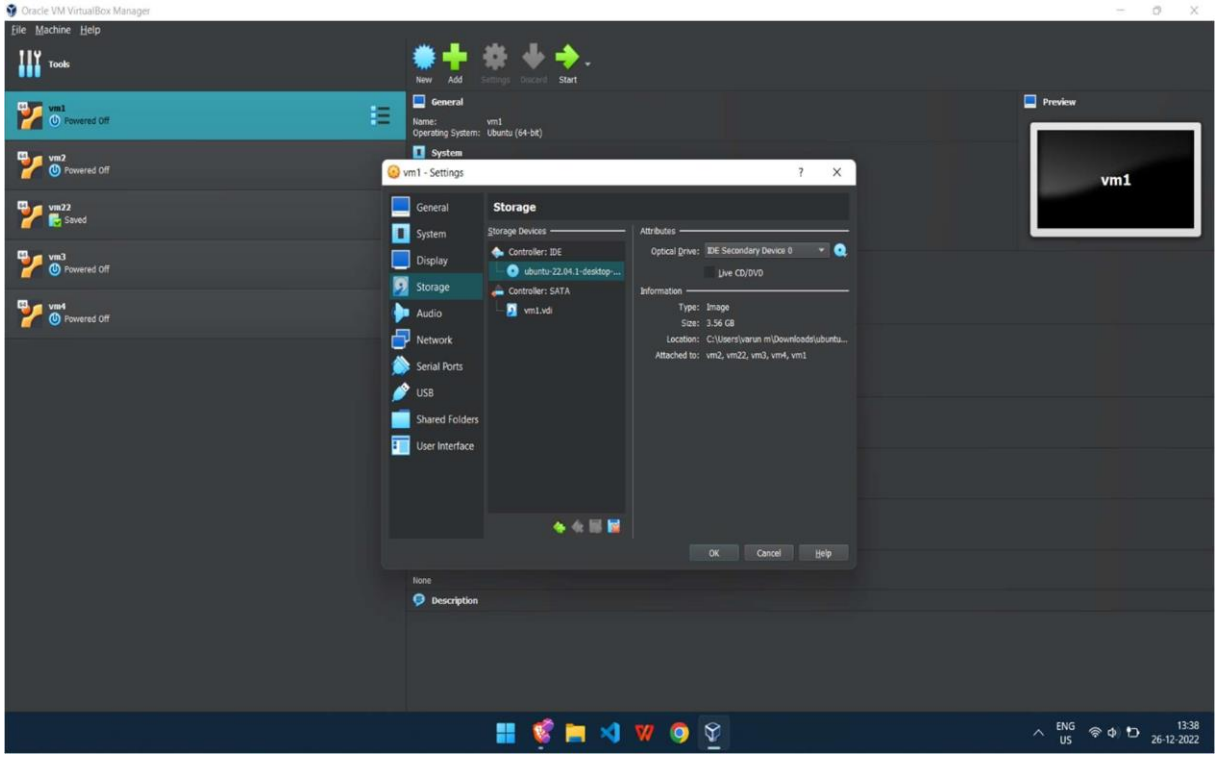
6. Once the VMs are connected to the virtual network, you should be able to access the internet from any of the VMs.

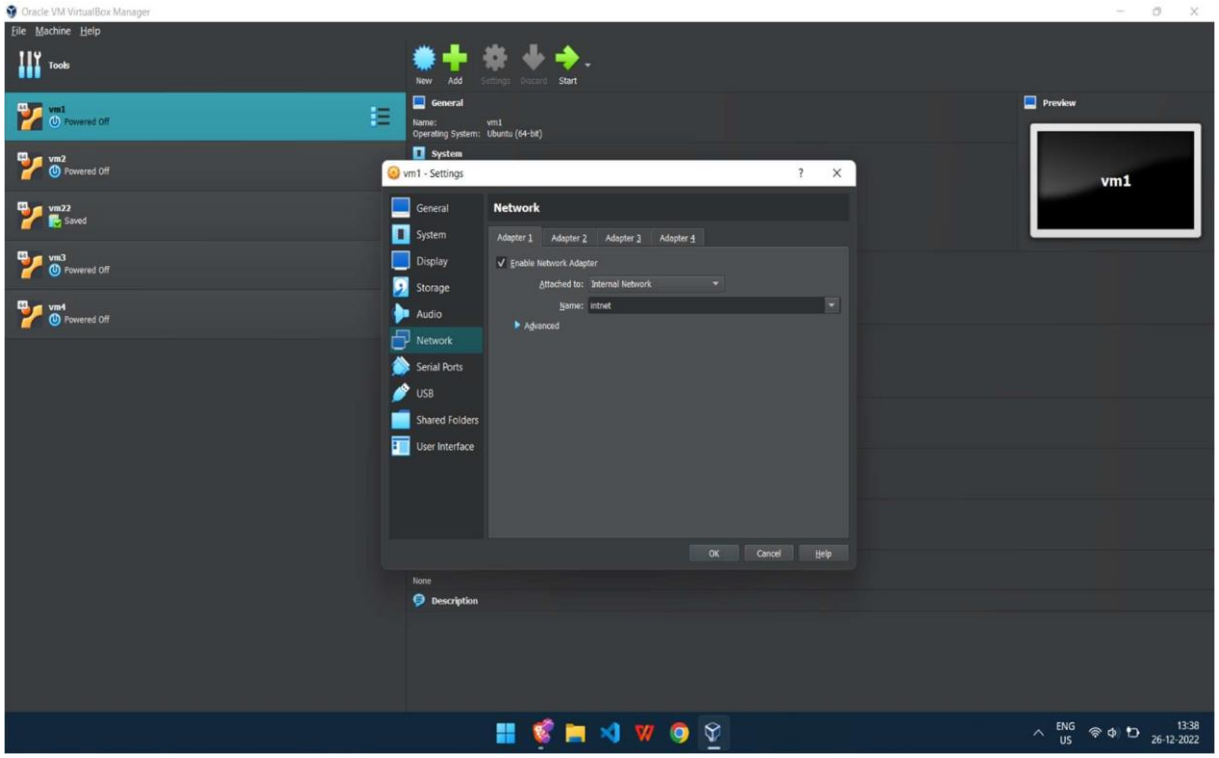
Here are some screenshots that illustrate the process of installing and networking multiple VMs using VMware Workstation on a Windows host machine:

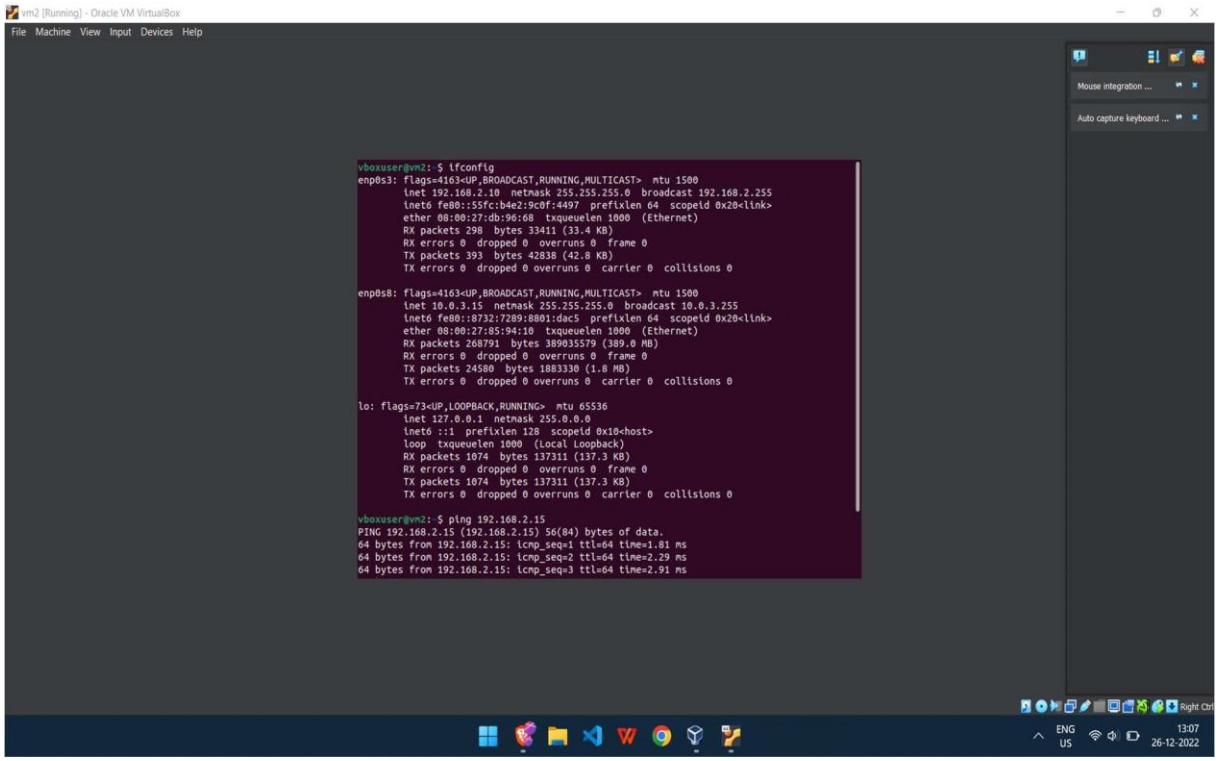

Oracle VM VirtualBox Manager
File Machine Help
Tools
vm1 Powered Off
vm2 Powered Off
vm22 Saved
vm3 Powered Off
vm4 Powered Off
New Add Settings Discard Start
General
Name: vm1
Operating System: Ubuntu (64-bit)
System
Base Memory: 3589 MB
Processors: 4
Boot Order: Hard Disk, Optical, Floppy
Acceleration: VT-x/AMD-V, Nested Paging, KVM Paravirtualization
Preview
vm1
Display
Video Memory: 16 MB
Graphics Controller: VMSVGA
Remote Desktop Server: Disabled
Recording: Disabled
Storage
Controller: IDE
IDE Secondary Device 0: [Optical Drive] ubuntu-22.04.1-desktop-amd64.iso (3.56 GB)
Controller: SATA
SATA Port 0: vm1.vdi (Normal, 50.00 GB)
Audio
Host Driver: Default
Controller: ICH AC97
Network
Adapter 1: Intel PRO/1000 MT Desktop (Internal Network, 'intnet')
Adapter 2: Intel PRO/1000 MT Desktop (NAT)
USB
USB Controller: OHCI, EHCI
Device Filters: 0 (0 active)
Shared folders
None
Description
ENG US
13:37
26-12-2022

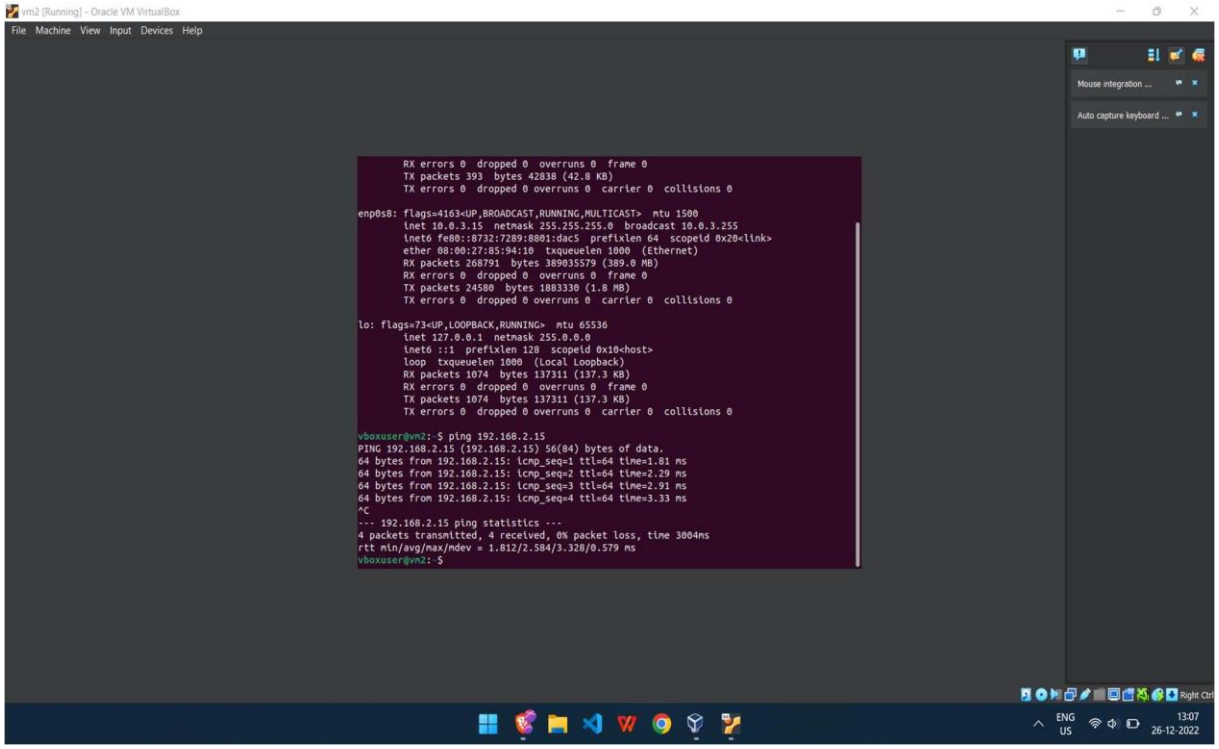

Oracle VM VirtualBox Manager
File Machine Help
Tools
vm1 Powered Off
vm2 Powered Off
vm22 Saved
vm3 Powered Off
vm4 Powered Off
New Add Settings Discard Start
General
Name: vm1
Operating System: Ubuntu (64-bit)
System
Preview
vm1
vm1 - Settings
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface
General
Basic Advanced Description Disk Encryption
Name: vm1
Type: Linux
Version: Ubuntu (64-bit)
OK Cancel Help
Shared folders
None
Description
ENG US
13:38
26-12-2022

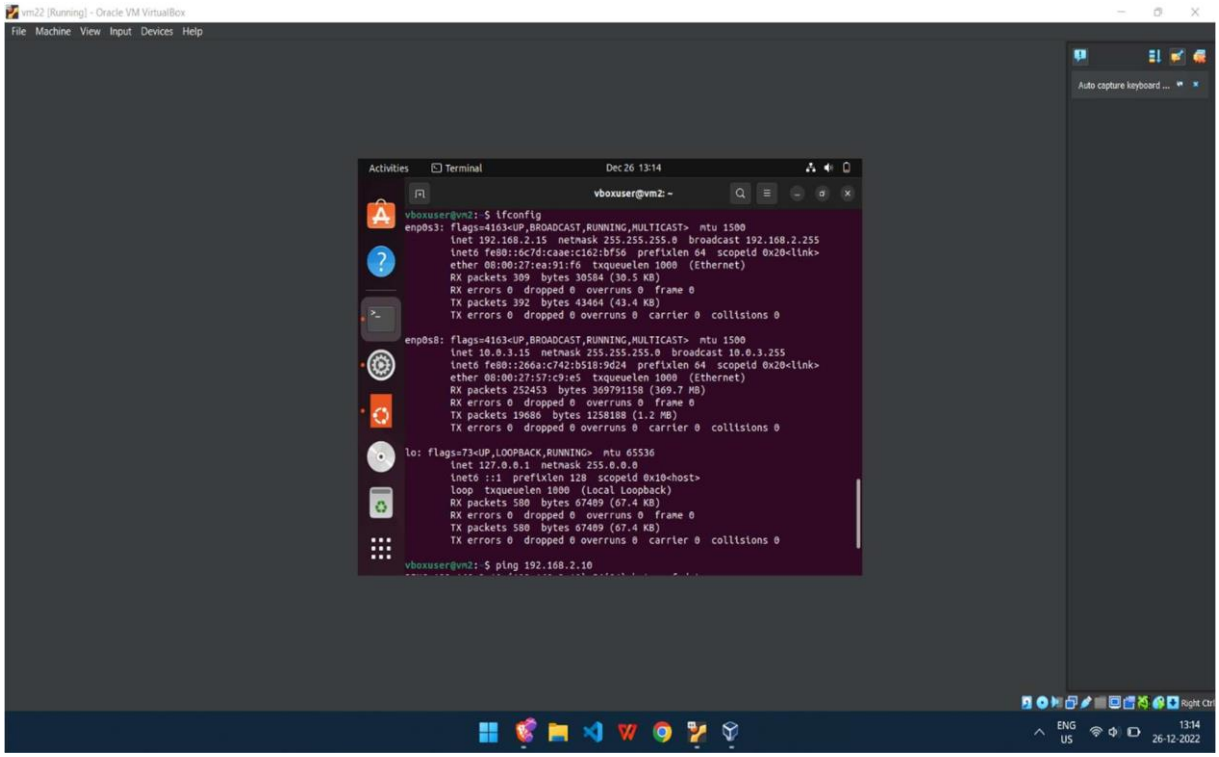

Oracle VM VirtualBox Manager
File Machine Help
Tools
New Add Settings Discard Start
vm1 Powered Off
vm2 Powered Off
vm22 Saved
vm3 Powered Off
General
Name: vm1
Operating System: Ubuntu (64-bit)
System
Preview
vm1
vm1 - Settings
General
System
Display
Storage
Network
Serial Ports
USB
Shared Folders
User Interface
Motherboard
Processor
Acceleration
Processors:
1 CPU
8 CPUs
Execution Cap:
100%
Limits the amount of time that each virtual CPU is allowed to run for. Each virtual CPU will be allowed to use up to this percentage of the processing time available on one physical CPU.
Extended Features:
Enable PAE/NX
OK
Cancel
Help
None
Description
ENG
US
13:38
26-12-2022

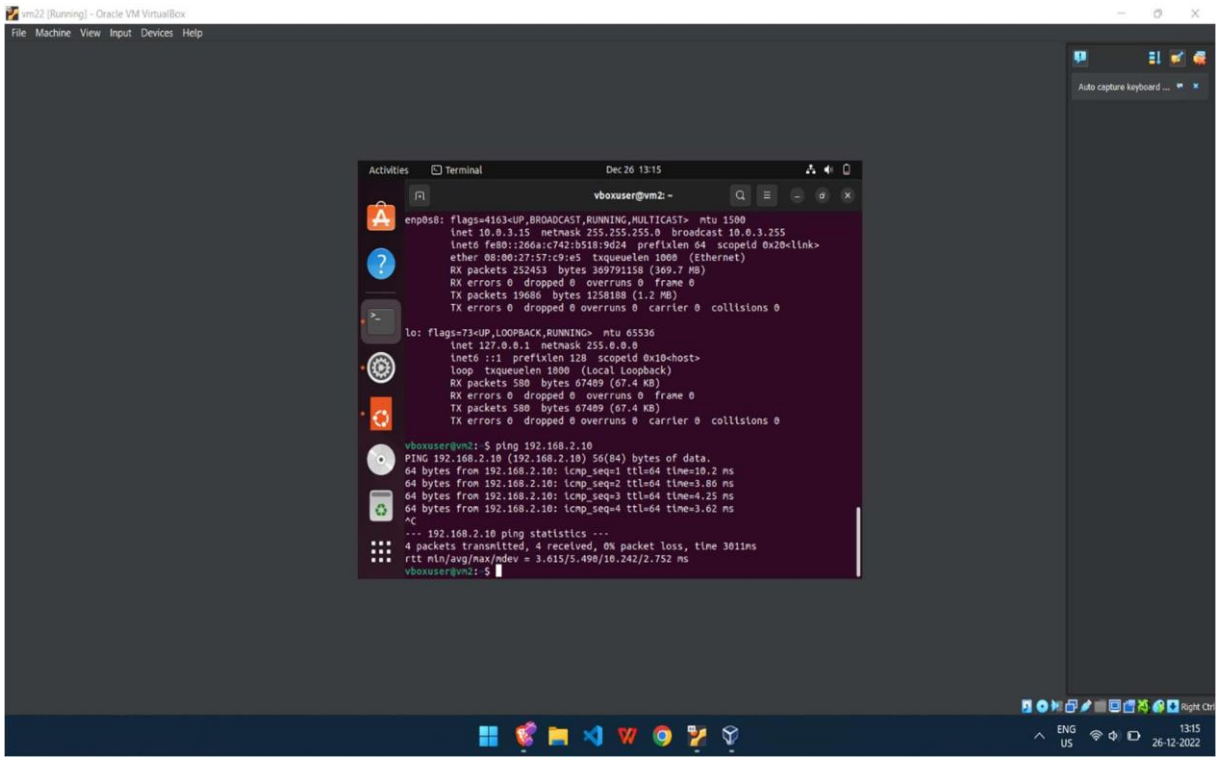

Oracle VM VirtualBox Manager
File Machine Help
Tools
New Add Settings Discard Start
vm1 Powered Off
vm2 Powered Off
vm22 Saved
vm3 Powered Off
vm4 Powered Off
General
Name: vm1
Operating System: Ubuntu (64-bit)
System
Preview
vm1
vm1 - Settings
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface
Storage Devices
Controller: IDE
ubuntu-22.04.1-desktop-...
Controller: SATA
vm1.vdi
Attributes
Optical Drive: IDE Secondary Device 0
Live CD/DVD
Information
Type: Image
Size: 3.56 GB
Location: C:\Users\varun m\Downloads\ubuntu...
Attached to: vm2, vm22, vm3, vm4, vm1
OK
Cancel
Help
Description
ENG
US
13:38
26-12-2022

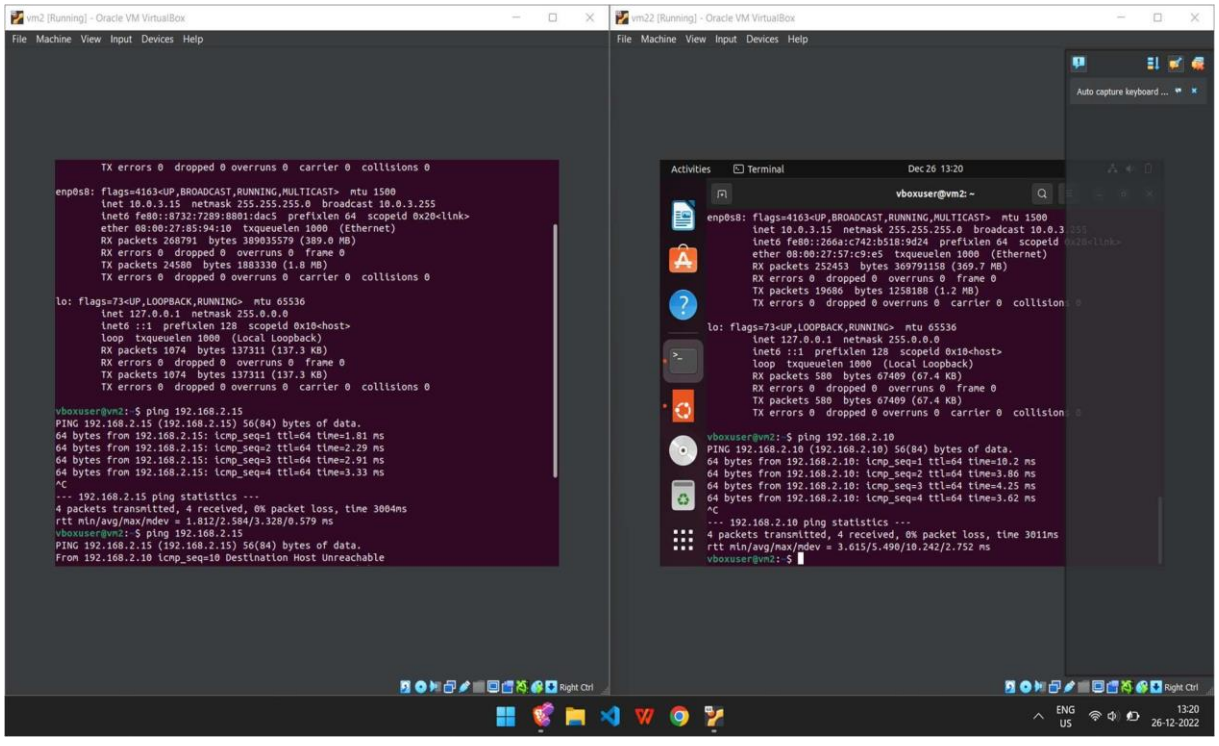

Oracle VM VirtualBox Manager
File Machine Help
Tools
New Add Settings Discard Start
vm1 Powered Off
vm2 Powered Off
vm22 Saved
vm3 Powered Off
vm4 Powered Off
General
Name: vm1
Operating System: Ubuntu (64-bit)
System
Preview
vm1
vm1 - Settings
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface
Network
Adapter 1 Adapter 2 Adapter 3 Adapter 4
Enable Network Adapter
Attached to: Internal Network
Name: intnet
Advanced
OK Cancel Help
None
Description
ENG US
13:38
26-12-2022

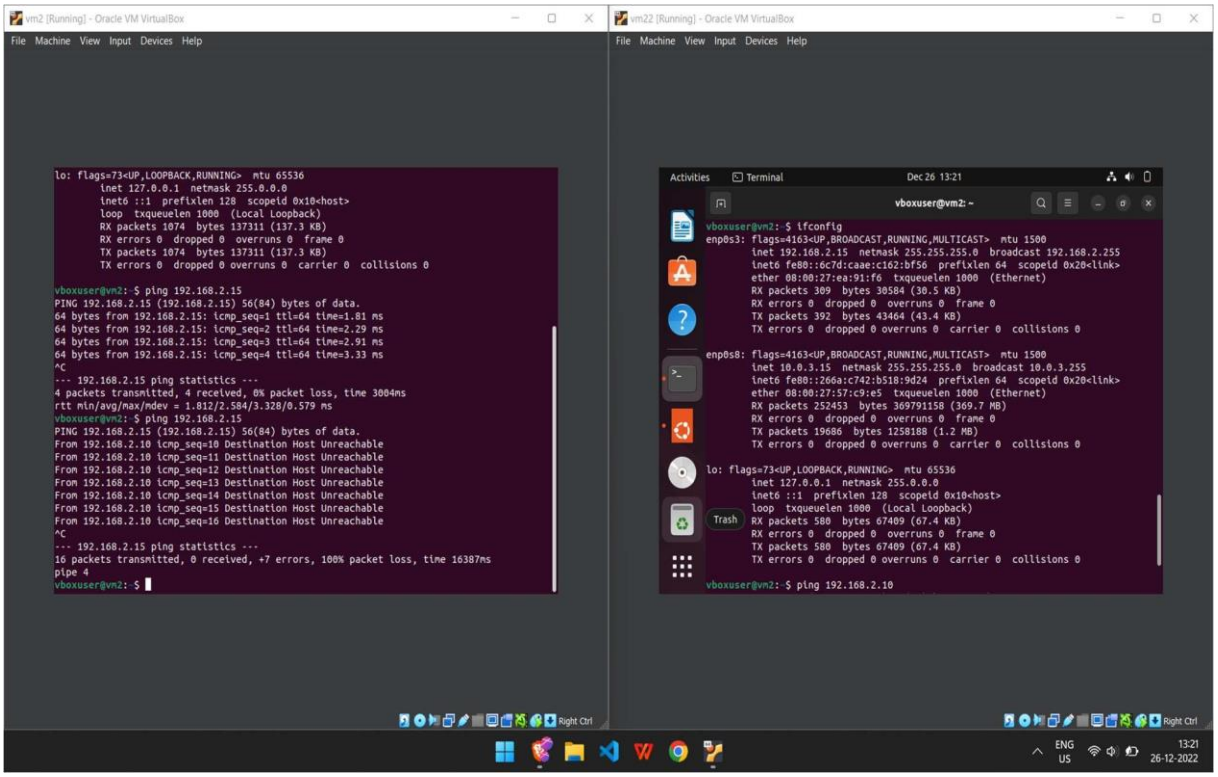

vm2 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Mouse integration ...
Auto capture keyboard ...
vboxuser@vm2: $ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.2.10 netmask 255.255.255.0 broadcast 192.168.2.255
inet6 fe80::55fc:b4e2:9c0f:4497 prefixlen 64 scopeid 0x20<link>
ether 08:00:27:db:96:68 txqueuelen 1000 (Ethernet)
RX packets 298 bytes 33411 (33.4 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 393 bytes 42838 (42.8 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 10.0.3.15 netmask 255.255.255.0 broadcast 10.0.3.255
inet6 fe80::8732:7289:8801:dac5 prefixlen 64 scopeid 0x20<link>
ether 08:00:27:85:94:10 txqueuelen 1000 (Ethernet)
RX packets 268791 bytes 389035579 (389.0 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 24580 bytes 1883330 (1.8 MB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 1074 bytes 137311 (137.3 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 1074 bytes 137311 (137.3 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
vboxuser@vm2: $ ping 192.168.2.15
PING 192.168.2.15 (192.168.2.15) 56(84) bytes of data.
64 bytes from 192.168.2.15: icmp_seq=1 ttl=64 time=1.81 ms
64 bytes from 192.168.2.15: icmp_seq=2 ttl=64 time=2.29 ms
64 bytes from 192.168.2.15: icmp_seq=3 ttl=64 time=2.91 ms
Right Ctrl
ENG US
13:07
26-12-2022

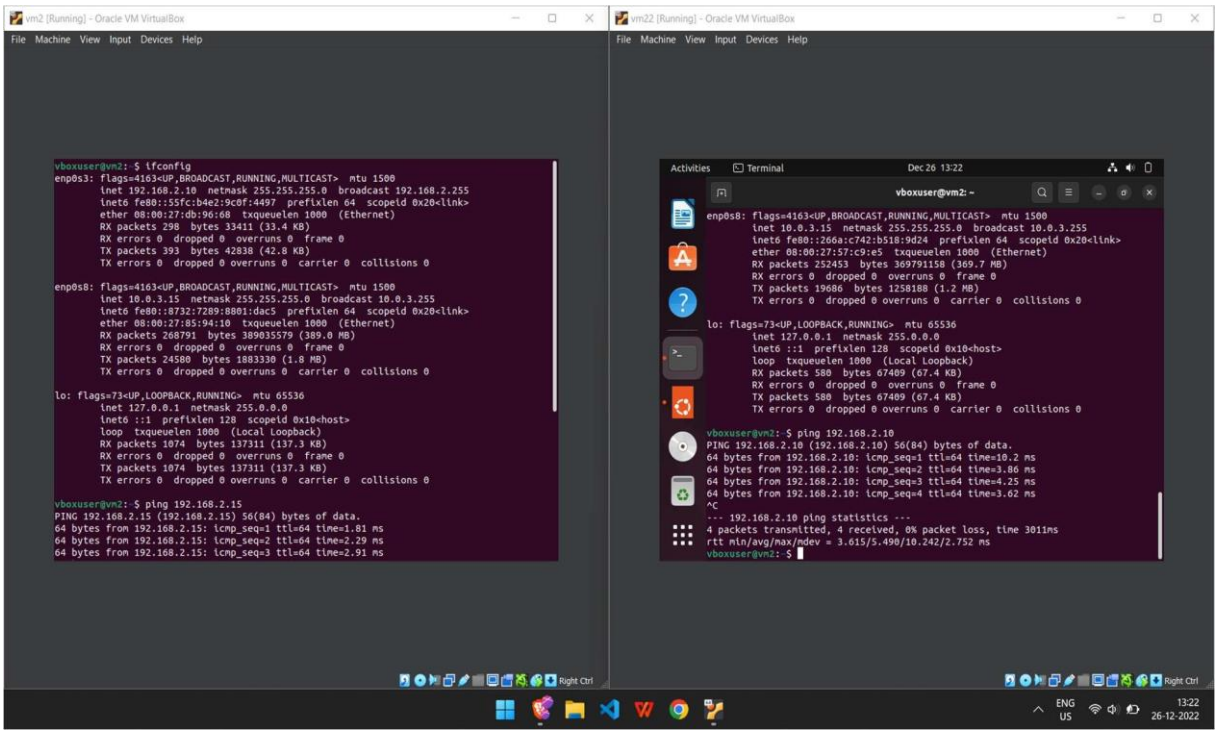

vm2 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Mouse integration ...
Auto capture keyboard ...
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 393 bytes 42838 (42.8 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 10.0.3.15 netmask 255.255.255.0 broadcast 10.0.3.255
inet6 fe80::8732:7289:8801:dac5 prefixlen 64 scopeid 0x20<link>
ether 08:00:27:85:94:10 txqueuelen 1000 (Ethernet)
RX packets 268791 bytes 389035579 (389.0 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 24580 bytes 1883330 (1.8 MB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 1074 bytes 137311 (137.3 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 1074 bytes 137311 (137.3 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
vboxuser@vm2:~$ ping 192.168.2.15
PING 192.168.2.15 (192.168.2.15) 56(84) bytes of data.
64 bytes from 192.168.2.15: icmp_seq=1 ttl=64 time=1.81 ms
64 bytes from 192.168.2.15: icmp_seq=2 ttl=64 time=2.29 ms
64 bytes from 192.168.2.15: icmp_seq=3 ttl=64 time=2.91 ms
64 bytes from 192.168.2.15: icmp_seq=4 ttl=64 time=3.33 ms
^C
--- 192.168.2.15 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3004ms
rtt min/avg/max/mdev = 1.812/2.584/3.328/0.579 ms
vboxuser@vm2:~$
Right Ctrl
ENG
US
13:07
26-12-2022

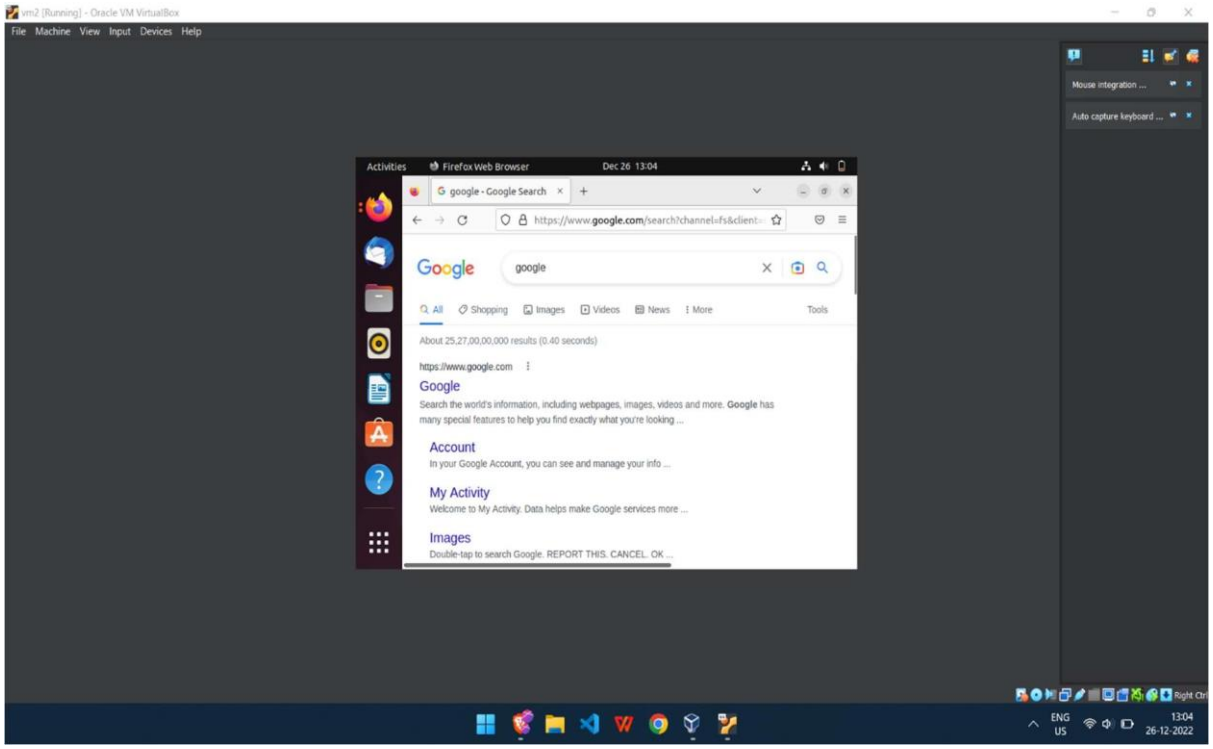

vm22 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Auto capture keyboard ...
Activities
Terminal
Dec 26 13:14
vboxuser@vm2: ~
vboxuser@vm2:~$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.2.15 netmask 255.255.255.0 broadcast 192.168.2.255
inet6 fe80::6c7d:caae:c162:bf56 prefixlen 64 scopeid 0x20<link>
ether 08:00:27:ea:91:f6 txqueuelen 1000 (Ethernet)
RX packets 309 bytes 30584 (30.5 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 392 bytes 43464 (43.4 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 10.0.3.15 netmask 255.255.255.0 broadcast 10.0.3.255
inet6 fe80::260a:c742:b518:9d24 prefixlen 64 scopeid 0x20<link>
ether 08:00:27:57:c9:e5 txqueuelen 1000 (Ethernet)
RX packets 252453 bytes 369791158 (369.7 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 19686 bytes 1258188 (1.2 MB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 580 bytes 67409 (67.4 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 580 bytes 67409 (67.4 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
vboxuser@vm2:~$ ping 192.168.2.10
Right Ctrl
ENG
US
13:14
26-12-2022


vm22 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities
Terminal
Dec 26 13:15
vboxuser@vm2: ~
enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 10.0.3.15 netmask 255.255.255.0 broadcast 10.0.3.255
inet6 fe80::266a:c742:b518:9d24 prefixlen 64 scopeid 0x20<link>
ether 08:00:27:57:c9:e5 txqueuelen 1000 (Ethernet)
RX packets 252453 bytes 369791158 (369.7 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 19686 bytes 1258188 (1.2 MB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 580 bytes 67409 (67.4 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 580 bytes 67409 (67.4 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
vboxuser@vm2:~$ ping 192.168.2.10
PING 192.168.2.10 (192.168.2.10) 56(84) bytes of data.
64 bytes from 192.168.2.10: icmp_seq=1 ttl=64 time=10.2 ms
64 bytes from 192.168.2.10: icmp_seq=2 ttl=64 time=3.86 ms
64 bytes from 192.168.2.10: icmp_seq=3 ttl=64 time=4.25 ms
64 bytes from 192.168.2.10: icmp_seq=4 ttl=64 time=3.62 ms
^C
--- 192.168.2.10 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3011ms
rtt min/avg/max/mdev = 3.615/5.490/10.242/2.752 ms
vboxuser@vm2:~$
Auto capture keyboard ...
Right Ctrl
ENG
US
13:15
26-12-2022


vm2 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 10.0.3.15 netmask 255.255.255.0 broadcast 10.0.3.255
inet6 fe80::8732:7289:8801:dac5 prefixlen 64 scopeid 0x20<link>
ether 08:00:27:85:94:10 txqueuelen 1000 (Ethernet)
RX packets 268791 bytes 389035579 (389.0 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 24580 bytes 1883330 (1.8 MB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 1074 bytes 137311 (137.3 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 1074 bytes 137311 (137.3 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
vboxuser@vm2:~$ ping 192.168.2.15
PING 192.168.2.15 (192.168.2.15) 56(84) bytes of data.
64 bytes from 192.168.2.15: icmp_seq=1 ttl=64 time=1.81 ms
64 bytes from 192.168.2.15: icmp_seq=2 ttl=64 time=2.29 ms
64 bytes from 192.168.2.15: icmp_seq=3 ttl=64 time=2.91 ms
64 bytes from 192.168.2.15: icmp_seq=4 ttl=64 time=3.33 ms
^C
--- 192.168.2.15 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3004ms
rtt min/avg/max/mdev = 1.812/2.584/3.328/0.579 ms
vboxuser@vm2:~$ ping 192.168.2.15
PING 192.168.2.15 (192.168.2.15) 56(84) bytes of data.
From 192.168.2.10 icmp_seq=10 Destination Host Unreachable
Right Ctrl
vm22 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities
Terminal
Dec 26 13:20
vboxuser@vm2: ~
enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 10.0.3.15 netmask 255.255.255.0 broadcast 10.0.3.255
inet6 fe80::266a:c742:b518:9d24 prefixlen 64 scopeid 0x20<link>
ether 08:00:27:57:c9:e5 txqueuelen 1000 (Ethernet)
RX packets 252453 bytes 369791158 (369.7 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 19686 bytes 1258188 (1.2 MB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 580 bytes 67409 (67.4 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 580 bytes 67409 (67.4 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
vboxuser@vm2:~$ ping 192.168.2.10
PING 192.168.2.10 (192.168.2.10) 56(84) bytes of data.
64 bytes from 192.168.2.10: icmp_seq=1 ttl=64 time=10.2 ms
64 bytes from 192.168.2.10: icmp_seq=2 ttl=64 time=3.86 ms
64 bytes from 192.168.2.10: icmp_seq=3 ttl=64 time=4.25 ms
64 bytes from 192.168.2.10: icmp_seq=4 ttl=64 time=3.62 ms
^C
--- 192.168.2.10 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3011ms
rtt min/avg/max/mdev = 3.615/5.490/10.242/2.752 ms
vboxuser@vm2:~$
Auto capture keyboard ...
Right Ctrl
ENG
US
13:20
26-12-2022


vm2 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 1074 bytes 137311 (137.3 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 1074 bytes 137311 (137.3 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
vboxuser@vm2:~$ ping 192.168.2.15
PING 192.168.2.15 (192.168.2.15) 56(84) bytes of data.
64 bytes from 192.168.2.15: icmp_seq=1 ttl=64 time=1.81 ms
64 bytes from 192.168.2.15: icmp_seq=2 ttl=64 time=2.29 ms
64 bytes from 192.168.2.15: icmp_seq=3 ttl=64 time=2.91 ms
64 bytes from 192.168.2.15: icmp_seq=4 ttl=64 time=3.33 ms
^C
--- 192.168.2.15 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3004ms
rtt min/avg/max/mdev = 1.812/2.584/3.328/0.579 ms
vboxuser@vm2:~$ ping 192.168.2.15
PING 192.168.2.15 (192.168.2.15) 56(84) bytes of data.
From 192.168.2.10 icmp_seq=10 Destination Host Unreachable
From 192.168.2.10 icmp_seq=11 Destination Host Unreachable
From 192.168.2.10 icmp_seq=12 Destination Host Unreachable
From 192.168.2.10 icmp_seq=13 Destination Host Unreachable
From 192.168.2.10 icmp_seq=14 Destination Host Unreachable
From 192.168.2.10 icmp_seq=15 Destination Host Unreachable
From 192.168.2.10 icmp_seq=16 Destination Host Unreachable
^C
--- 192.168.2.15 ping statistics ---
16 packets transmitted, 0 received, +7 errors, 100% packet loss, time 16387ms
pipe 4
vboxuser@vm2:~$
vm22 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities
Terminal
Dec 26 13:21
vboxuser@vm2: ~
vboxuser@vm2:~$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.2.15 netmask 255.255.255.0 broadcast 192.168.2.255
inet6 fe80::6c7d:caae:c162:bf56 prefixlen 64 scopeid 0x20<link>
ether 08:00:27:ea:91:f6 txqueuelen 1000 (Ethernet)
RX packets 309 bytes 30584 (30.5 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 392 bytes 43464 (43.4 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 10.0.3.15 netmask 255.255.255.0 broadcast 10.0.3.255
inet6 fe80::266a:c742:b518:9d24 prefixlen 64 scopeid 0x20<link>
ether 08:00:27:57:c9:e5 txqueuelen 1000 (Ethernet)
RX packets 252453 bytes 369791158 (369.7 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 19686 bytes 1258188 (1.2 MB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 580 bytes 67409 (67.4 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 580 bytes 67409 (67.4 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
vboxuser@vm2:~$ ping 192.168.2.10
Trash
Right Ctrl
ENG
US
13:21
26-12-2022


vm2 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
vboxuser@vm2:~$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.2.10 netmask 255.255.255.0 broadcast 192.168.2.255
inet6 fe80::55fc:b4e2:9c0f:4497 prefixlen 64 scopeid 0x20<link>
ether 08:00:27:db:96:68 txqueuelen 1000 (Ethernet)
RX packets 298 bytes 33411 (33.4 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 393 bytes 42838 (42.8 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 10.0.3.15 netmask 255.255.255.0 broadcast 10.0.3.255
inet6 fe80::8732:7289:8801:dac5 prefixlen 64 scopeid 0x20<link>
ether 08:00:27:85:94:10 txqueuelen 1000 (Ethernet)
RX packets 268791 bytes 389035579 (389.0 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 24580 bytes 1883330 (1.8 MB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 1074 bytes 137311 (137.3 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 1074 bytes 137311 (137.3 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
vboxuser@vm2:~$ ping 192.168.2.15
PING 192.168.2.15 (192.168.2.15) 56(84) bytes of data.
64 bytes from 192.168.2.15: icmp_seq=1 ttl=64 time=1.81 ms
64 bytes from 192.168.2.15: icmp_seq=2 ttl=64 time=2.29 ms
64 bytes from 192.168.2.15: icmp_seq=3 ttl=64 time=2.91 ms
Right Ctrl
vm22 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities
Terminal
Dec 26 13:22
vboxuser@vm2: ~
enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 10.0.3.15 netmask 255.255.255.0 broadcast 10.0.3.255
inet6 fe80::266a:c742:b518:9d24 prefixlen 64 scopeid 0x20<link>
ether 08:00:27:57:c9:e5 txqueuelen 1000 (Ethernet)
RX packets 252453 bytes 369791158 (369.7 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 19686 bytes 1258188 (1.2 MB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 580 bytes 67409 (67.4 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 580 bytes 67409 (67.4 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
vboxuser@vm2:~$ ping 192.168.2.10
PING 192.168.2.10 (192.168.2.10) 56(84) bytes of data.
64 bytes from 192.168.2.10: icmp_seq=1 ttl=64 time=10.2 ms
64 bytes from 192.168.2.10: icmp_seq=2 ttl=64 time=3.86 ms
64 bytes from 192.168.2.10: icmp_seq=3 ttl=64 time=4.25 ms
64 bytes from 192.168.2.10: icmp_seq=4 ttl=64 time=3.62 ms
^C
--- 192.168.2.10 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3011ms
rtt min/avg/max/mdev = 3.615/5.490/10.242/2.752 ms
vboxuser@vm2:~$
Right Ctrl
ENG
US
13:22
26-12-2022



Note that the exact steps for installing and networking VMs will depend on the specific virtualization software you are using and the operating system of your host machine. You may need to refer to the documentation for your specific software for more detailed instructions