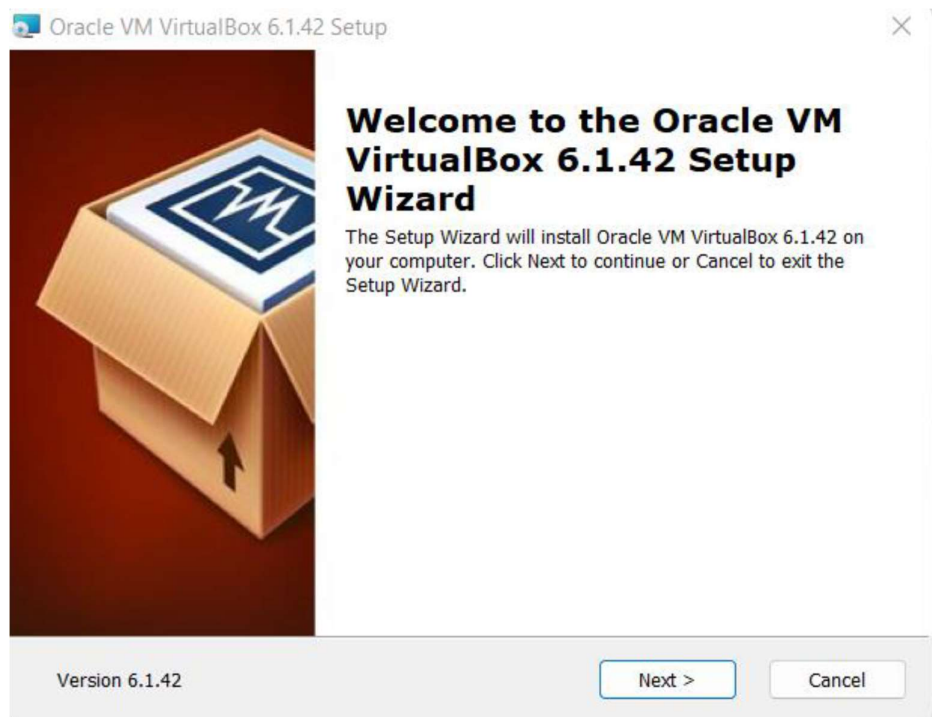## Output :
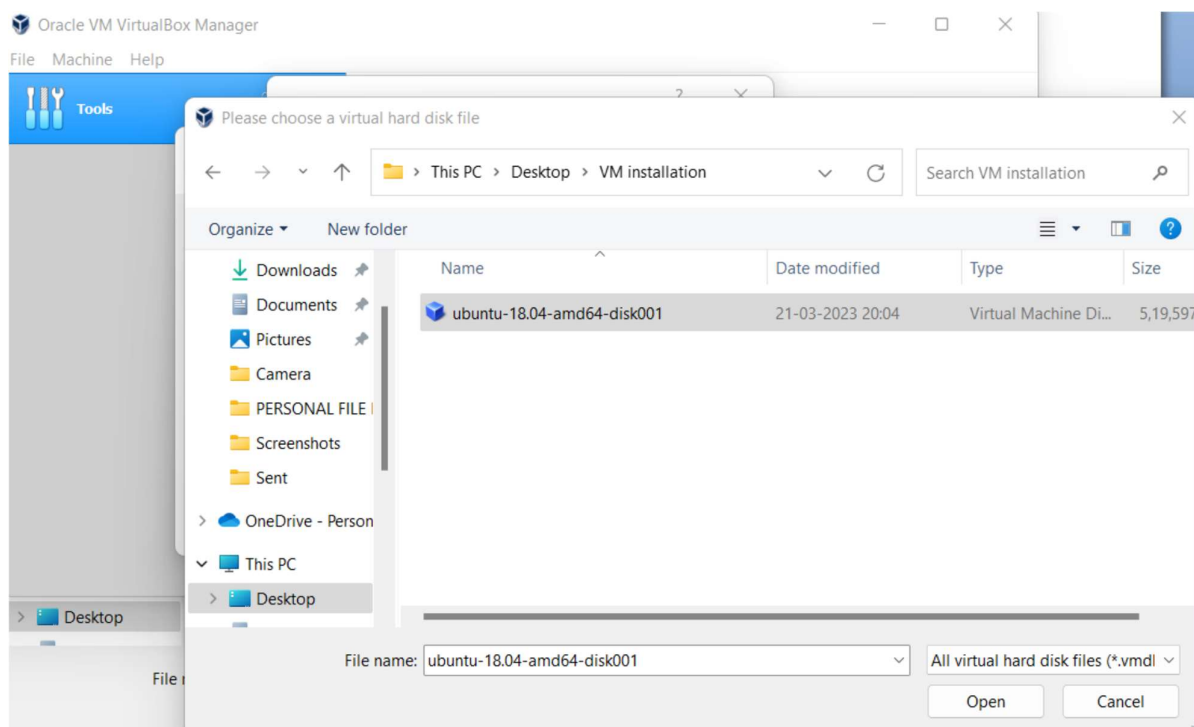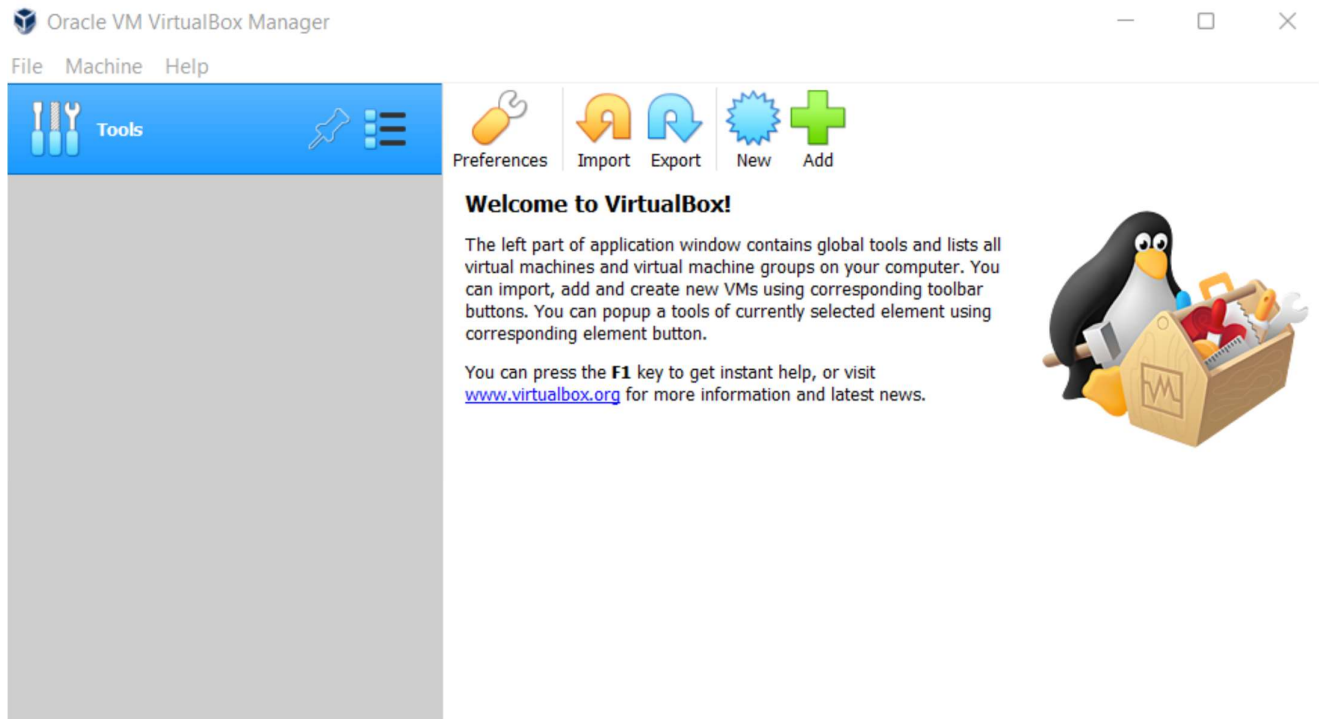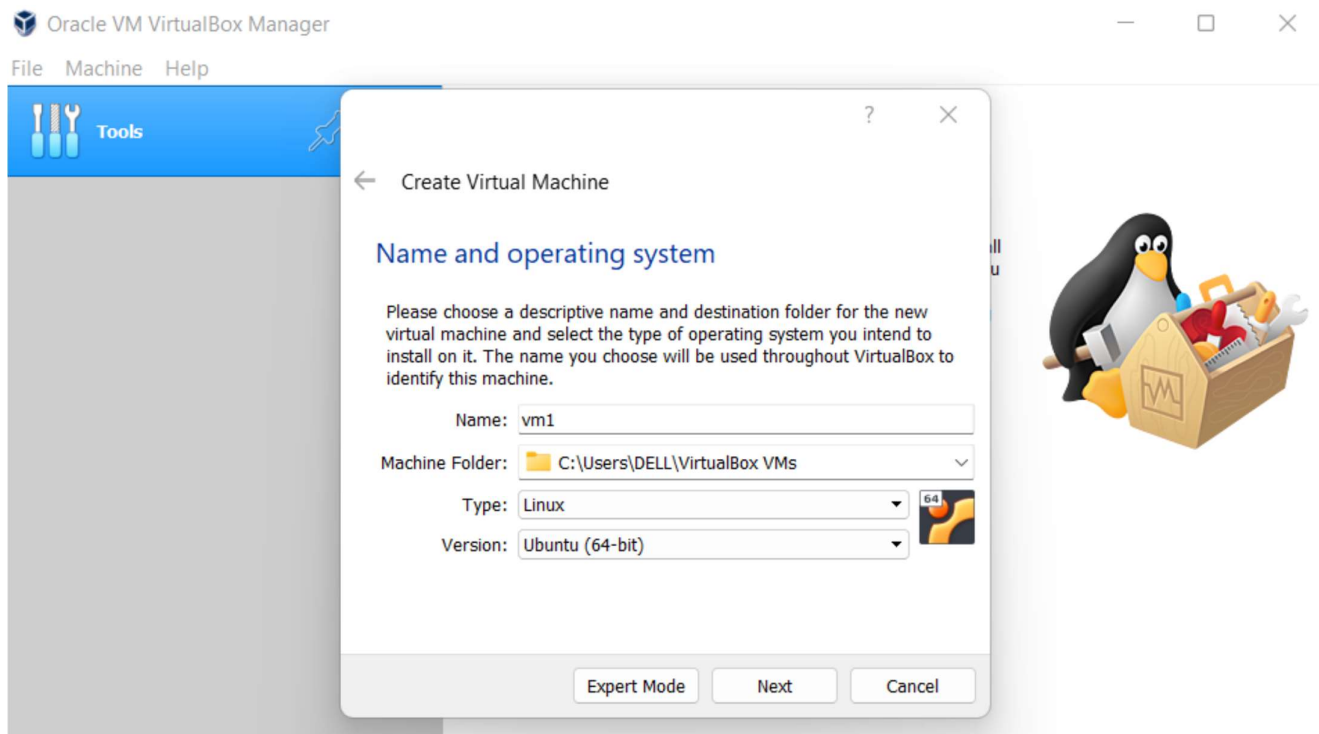
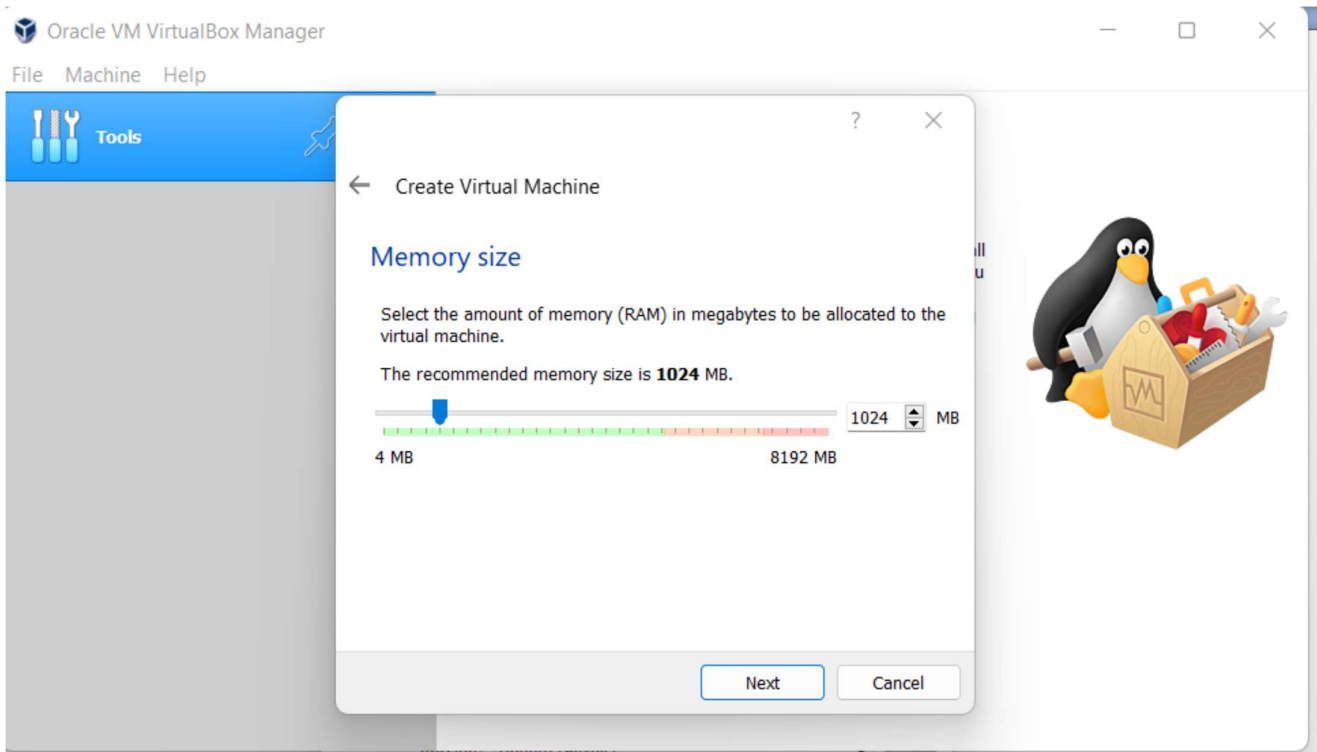➢ Download and install Oracle's Virtual Box

➢ Download Ubuntu VMDK Image.

➢ Launch Virtualbox and create a new VM.

➢ Click on new and mention the Name and the machine folder along with the Type and Version of the Machine to created.
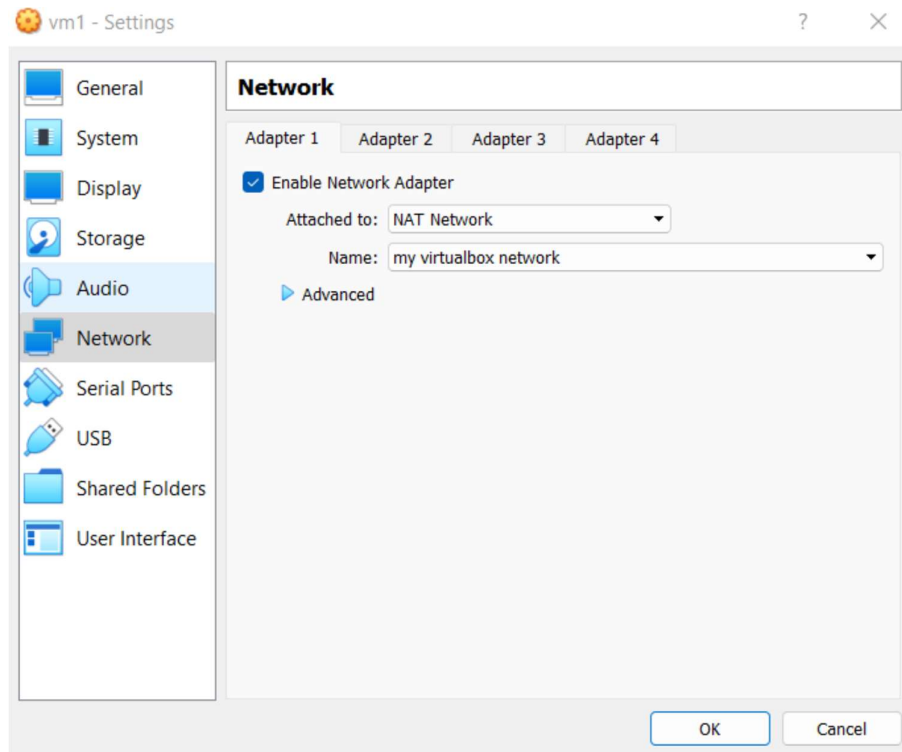
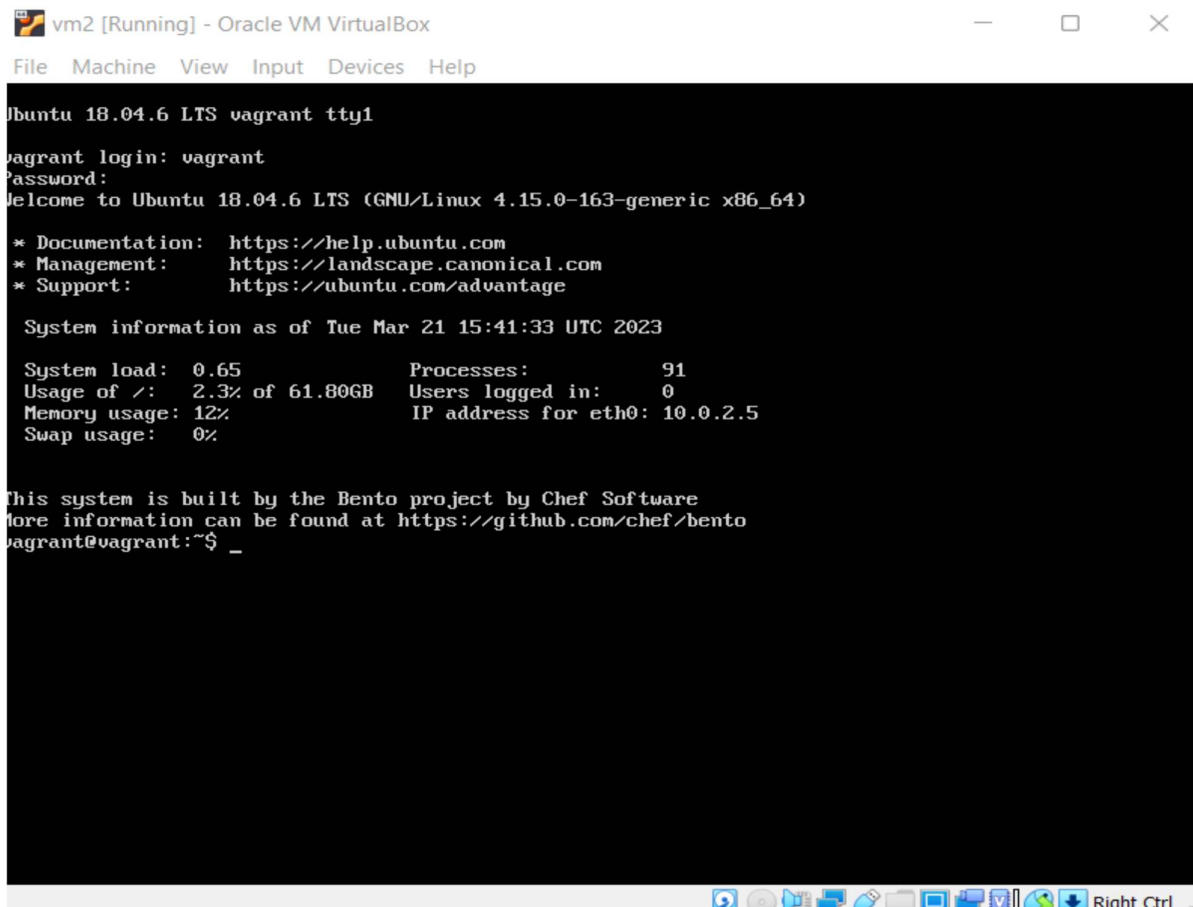➢ Assign memory size for our VM (1024 MB sufficient for now

➢ Create a NAT Network so go to File -> Preferences -> Network ->Add a New NAT Network (Click on +)
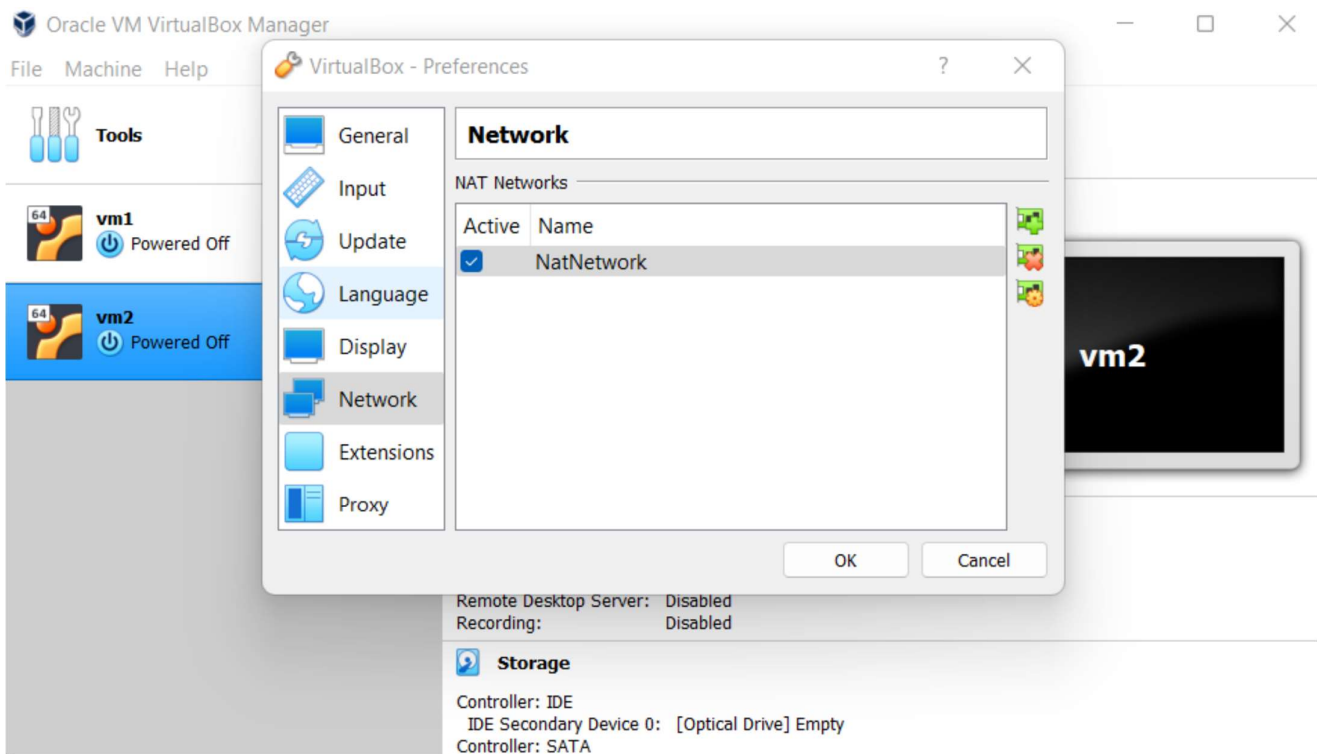
Now go to the setting, go to the network setting and change the adapter to NAT Network and select the NAT Net CIDR - 172.168.2.0/24.

➢ Launch the VM .

➤ Transfer the file using SCP Command


```
vagrant@vagrant:~$ ls
hello.txt
vagrant@vagrant:~$ cat hello.txt
Hello World!
vagrant@vagrant:~$ scp hello.txt vagrant@10.0.2.4:/home/vagrant
The authenticity of host '10.0.2.4 (10.0.2.4)' can't be established.
ECDSA key fingerprint is SHA256:cDqQ1xEeETP7fkQ7CGp2xgeabPwYXMItvB8kM/6+mM4.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '10.0.2.4' (ECDSA) to the list of known hosts.
vagrant@10.0.2.4's password:
hello.txt                                         100%   13    14.7KB/s   00:00
vagrant@vagrant:~$ ping 10.0.2.4
PING 10.0.2.4 (10.0.2.4) 56(84) bytes of data.
64 bytes from 10.0.2.4: icmp_seq=1 ttl=64 time=0.380 ms
64 bytes from 10.0.2.4: icmp_seq=2 ttl=64 time=0.920 ms
64 bytes from 10.0.2.4: icmp_seq=3 ttl=64 time=0.924 ms
64 bytes from 10.0.2.4: icmp_seq=4 ttl=64 time=0.913 ms
64 bytes from 10.0.2.4: icmp_seq=5 ttl=64 time=0.905 ms
64 bytes from 10.0.2.4: icmp_seq=6 ttl=64 time=0.933 ms
64 bytes from 10.0.2.4: icmp_seq=7 ttl=64 time=0.904 ms
64 bytes from 10.0.2.4: icmp_seq=8 ttl=64 time=0.908 ms
64 bytes from 10.0.2.4: icmp_seq=9 ttl=64 time=0.927 ms
64 bytes from 10.0.2.4: icmp_seq=10 ttl=64 time=0.915 ms
^C
--- 10.0.2.4 ping statistics ---
10 packets transmitted, 10 received, 0% packet loss, time 9013ms
rtt min/avg/max/mdev = 0.380/0.862/0.933/0.165 ms
vagrant@vagrant:~$
```



```
        ether 08:00:27:ad:76:25  txqueuelen 1000   (Ethernet)
        RX packets 49  bytes 20862 (20.8 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 55  bytes 7821 (7.8 KB)
        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 12  bytes 1100 (1.1 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 12  bytes 1100 (1.1 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

vagrant@vagrant:~$ ls
hello.txt
vagrant@vagrant:~$ cat hello.txt
Hello World!
vagrant@vagrant:~$ ping 10.0.2.5
PING 10.0.2.5 (10.0.2.5) 56(84) bytes of data.
64 bytes from 10.0.2.5: icmp_seq=1 ttl=64 time=0.443 ms
64 bytes from 10.0.2.5: icmp_seq=2 ttl=64 time=0.894 ms
64 bytes from 10.0.2.5: icmp_seq=3 ttl=64 time=0.871 ms
64 bytes from 10.0.2.5: icmp_seq=4 ttl=64 time=0.877 ms
64 bytes from 10.0.2.5: icmp_seq=5 ttl=64 time=0.394 ms
64 bytes from 10.0.2.5: icmp_seq=6 ttl=64 time=0.397 ms
64 bytes from 10.0.2.5: icmp_seq=7 ttl=64 time=0.474 ms
64 bytes from 10.0.2.5: icmp_seq=8 ttl=64 time=0.474 ms
64 bytes from 10.0.2.5: icmp_seq=9 ttl=64 time=0.490 ms
64 bytes from 10.0.2.5: icmp_seq=10 ttl=64 time=0.497 ms
64 bytes from 10.0.2.5: icmp_seq=11 ttl=64 time=0.496 ms
^C
--- 10.0.2.5 ping statistics ---
11 packets transmitted, 11 received, 0% packet loss, time 10067ms
rtt min/avg/max/mdev = 0.394/0.573/0.894/0.192 ms
vagrant@vagrant:~$
```