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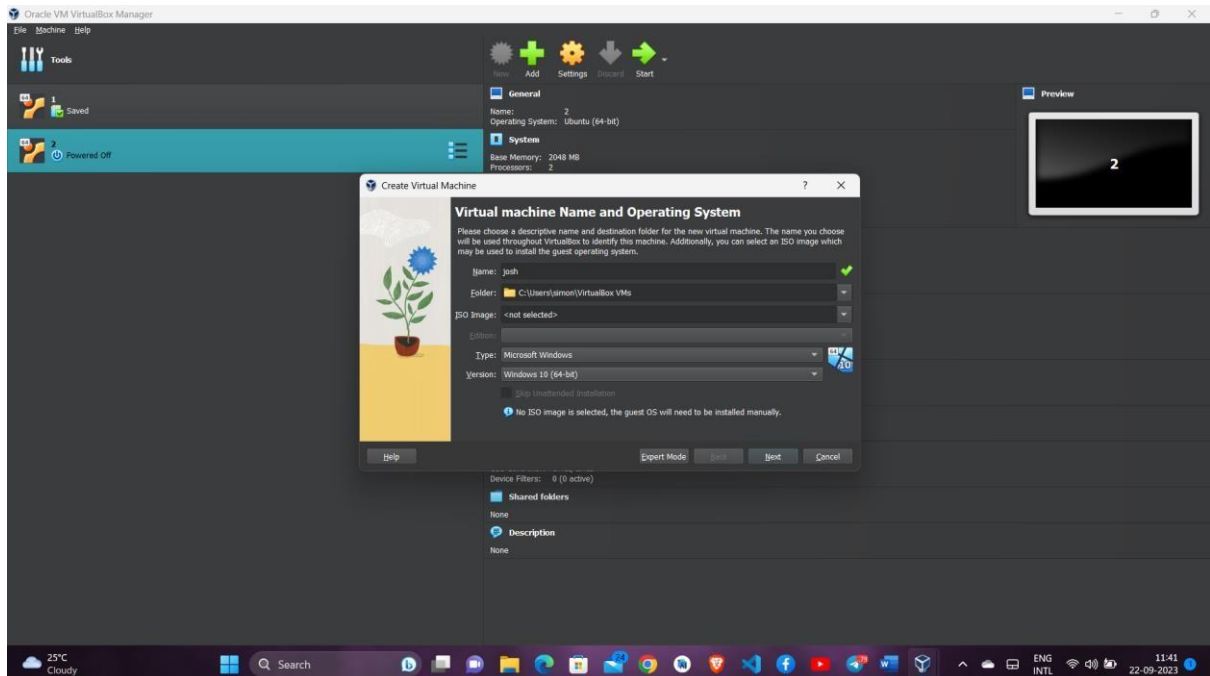
Class: LY IT Core

Lab Assignment No. 5:

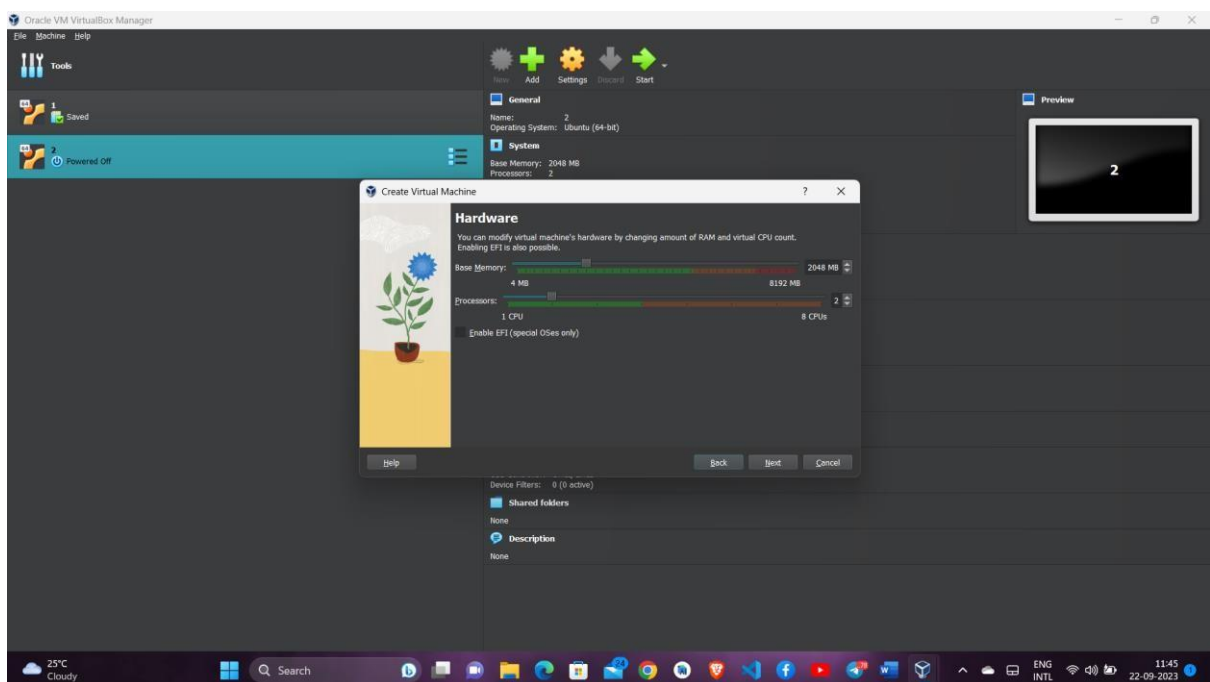
Find a procedure to transfer file from one Virtual Machine to another Virtual Machine.

## Steps:

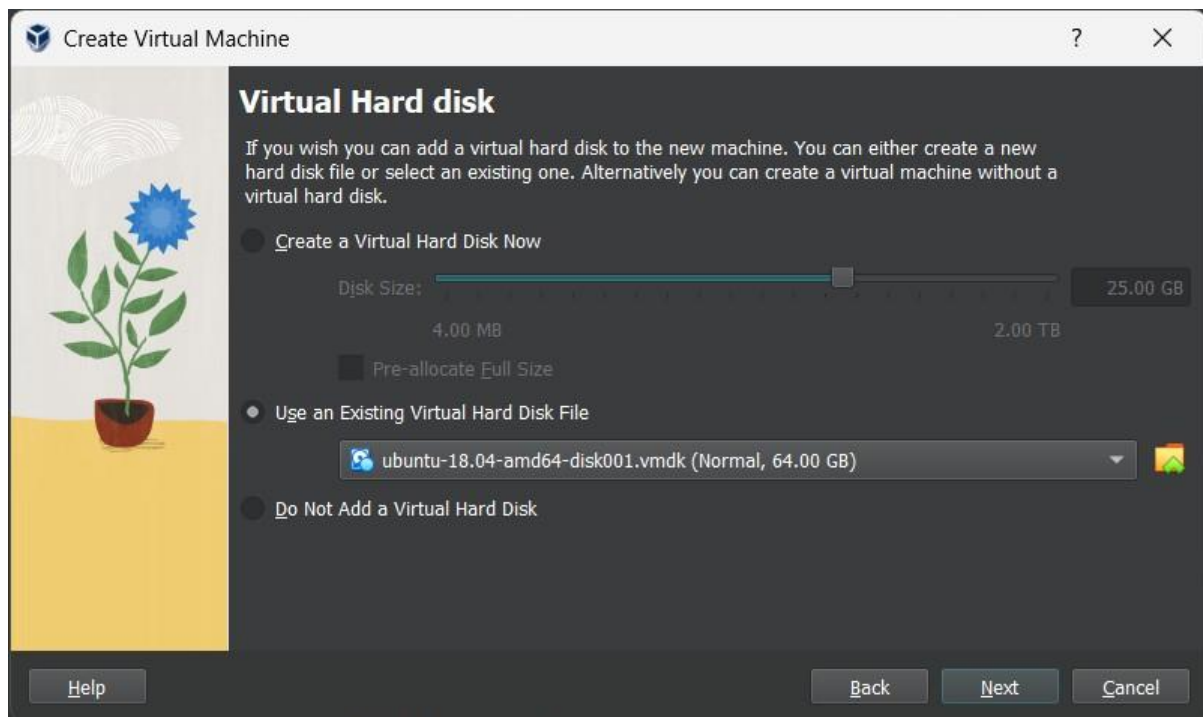
### 1. Create an instance in the virtual box.



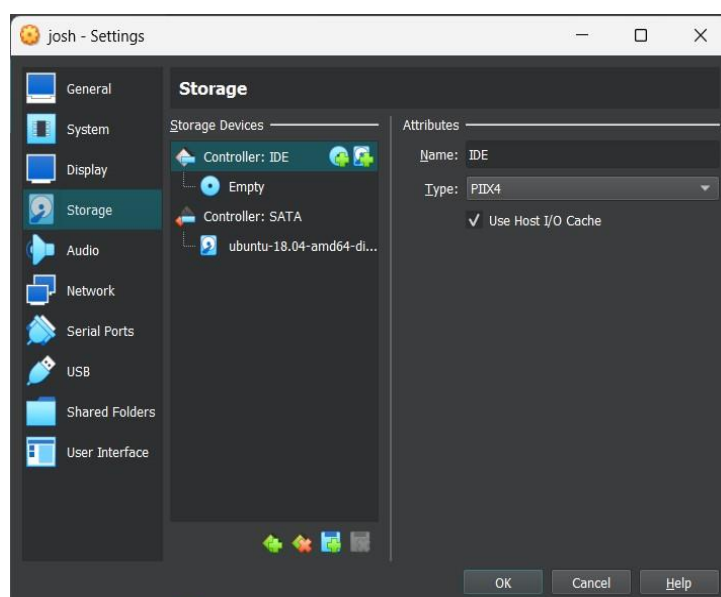
### 2. Setup Base Memory and Processors according to your requirement.



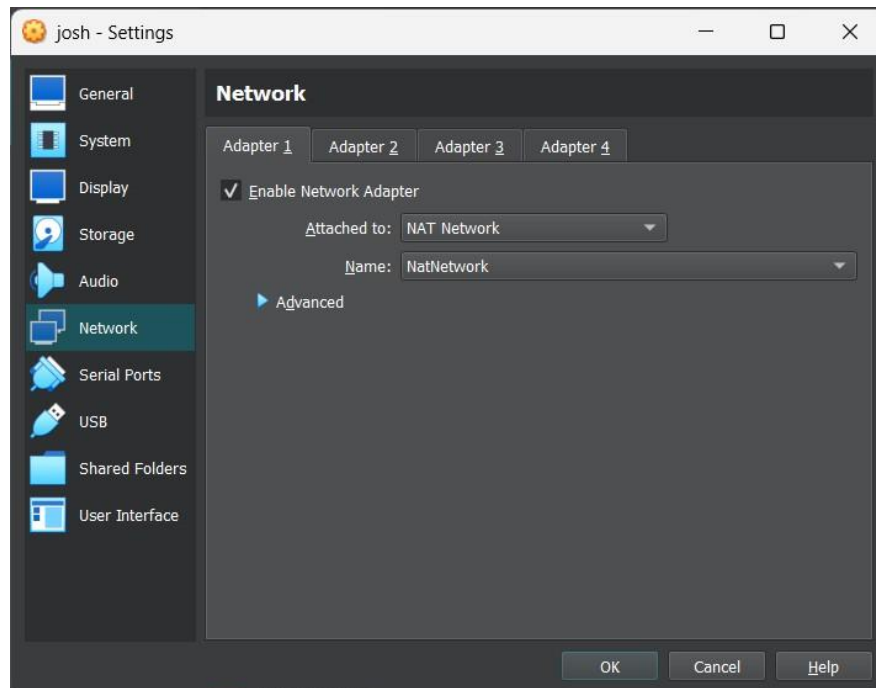
3. Download ubuntu vmdk file from link:  
<https://drive.google.com/file/d/1Brdmpy2yP1QC8R47OhVXYnBtYPJ7MGsN/view?usp=sharing>
4. Add it in “use a virtual hard disk file” section while setting up instance



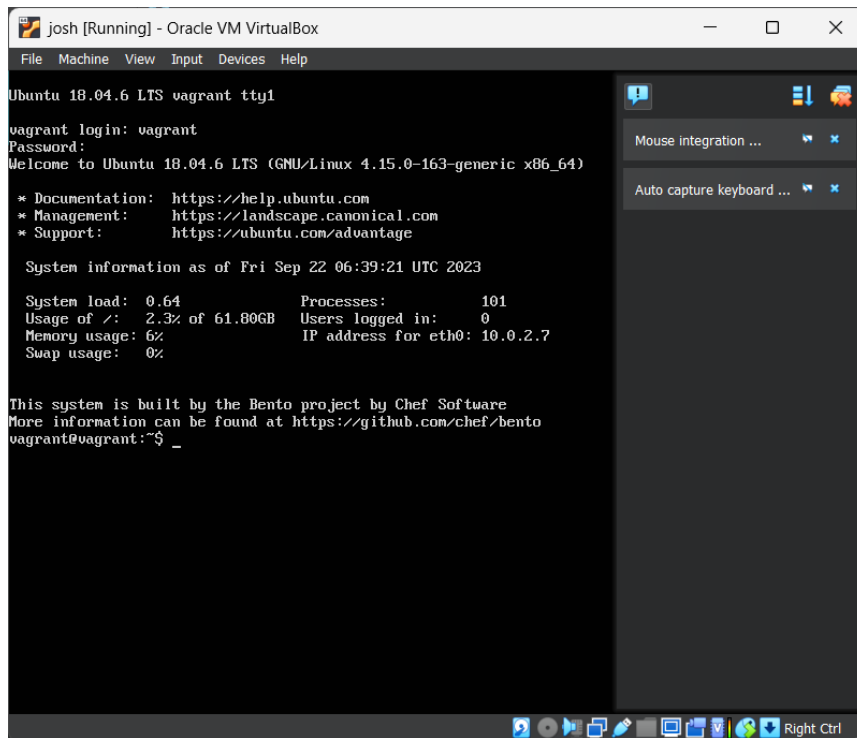
5. Now you have successfully created the instance
6. Now go to settings and choose storage options



7. Choose the controller SATA and add Ubuntu file here. Go to network settings and add change network to NAT network



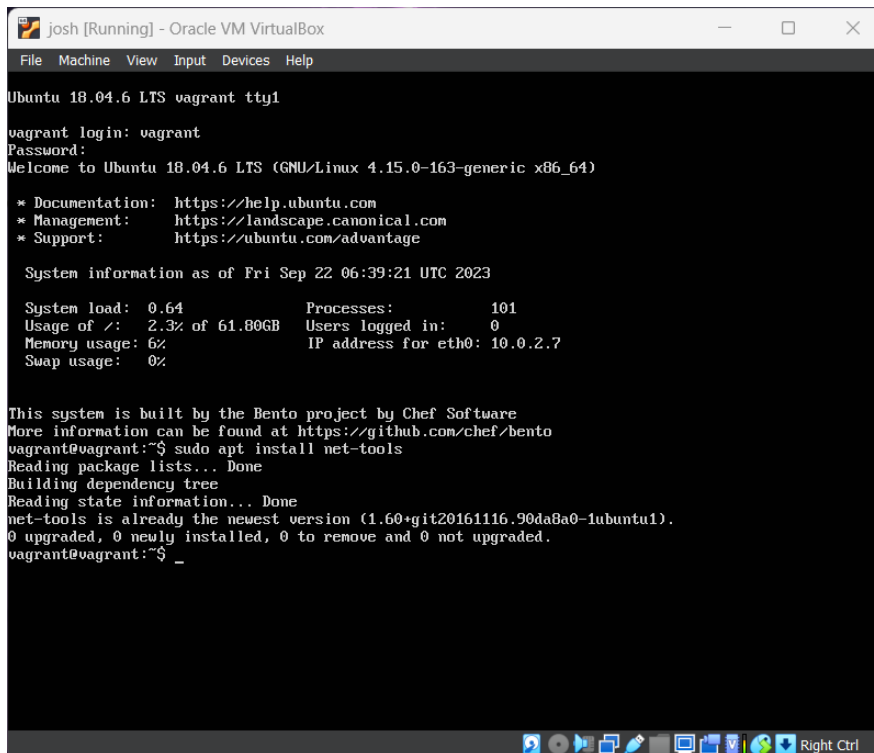
8. Repeat all the above steps to create one more instance.
9. Start both the Virtual Machine login to the vagrant on both the machine.  
Login: vagrant  
Password: vagrant



10. Install the net-tools to know the IP's of the instance.

```
$sudo apt install net tools
```

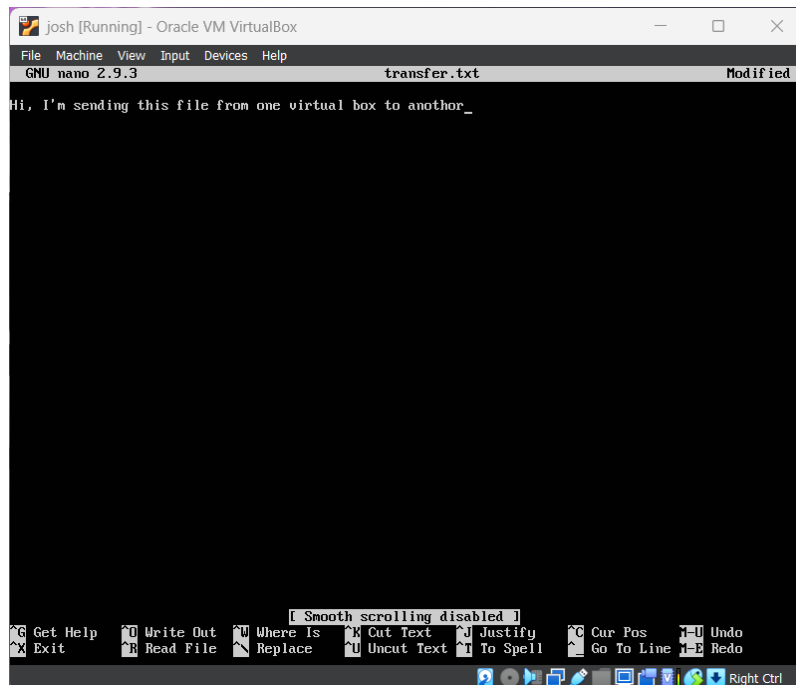
```
$ifconfig
```



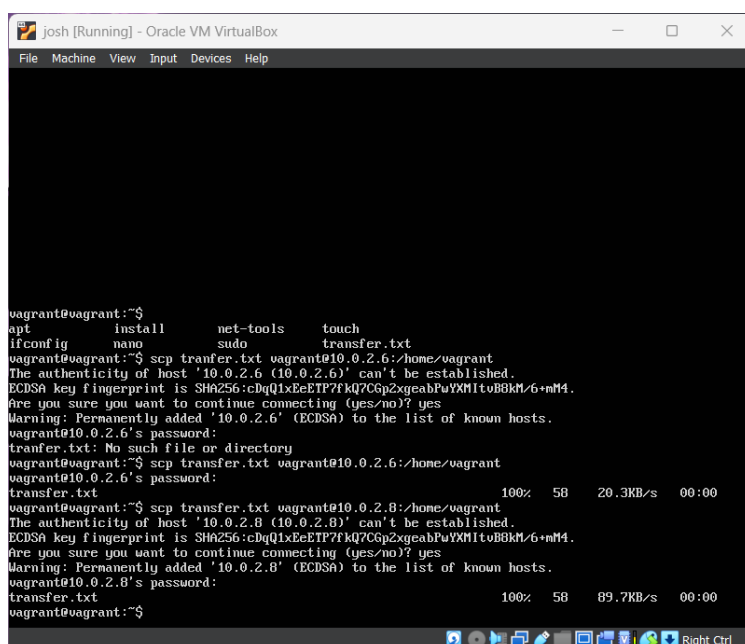
11. Now create a file and write something into it.

```
$ touch transfer.txt
```

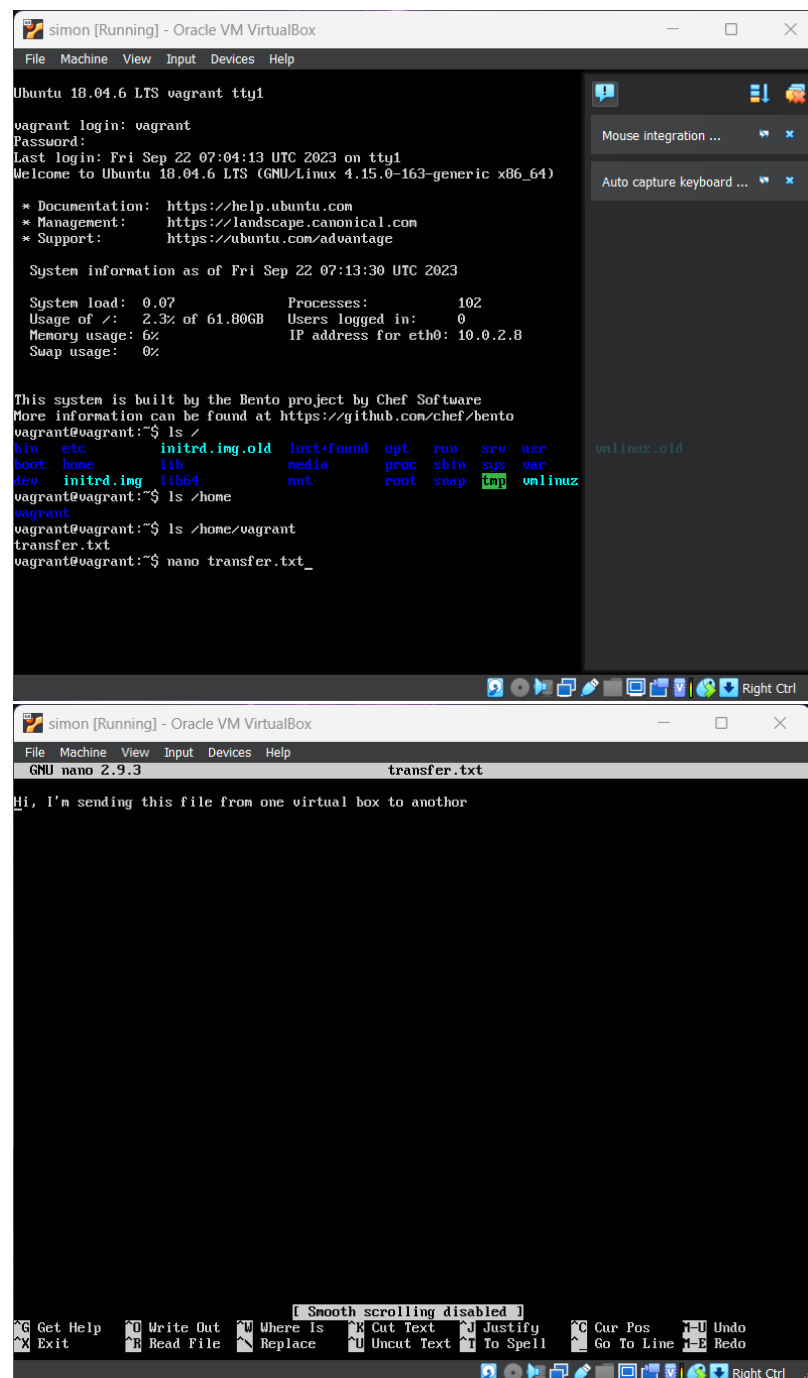
```
$ nano transfer.txt
```



12. Transfer file using command: `scp transfer.txt vagrant@10.0.2.8 :/home/vagrant`



13. Put the password of 2<sup>nd</sup> VM and done file is transferred. Check for file in 2<sup>nd</sup> VM /home/vagrant directory



The image consists of two screenshots of a VirtualBox VM terminal window. The top screenshot shows the terminal output for an Ubuntu 18.04.6 LTS VM. The user logs in as 'vagrant' and runs 'ls /' which shows a directory listing including 'onlinuz.old'. Then, the user runs 'ls /home' and 'ls /home/vagrant', both showing 'transfer.txt'. Finally, the user runs 'nano transfer.txt\_'. The bottom screenshot shows the 'nano' text editor editing 'transfer.txt'. The content of the file is 'Hi, I'm sending this file from one virtual box to another'.

```
simon [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Ubuntu 18.04.6 LTS vagrant tty1
vagrant login: vagrant
Password:
Last login: Fri Sep 22 07:04:13 UTC 2023 on tty1
Welcome to Ubuntu 18.04.6 LTS (GNU/Linux 4.15.0-163-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Fri Sep 22 07:13:30 UTC 2023

System load:  0.07               Processes:    102
Usage of /:   2.3% of 61.80GB    Users logged in:  0
Memory usage: 6%                IP address for eth0: 10.0.2.8
Swap usage:   0%

This system is built by the Bento project by Chef Software
More information can be found at https://github.com/chef/bento
vagrant@vagrant:~$ ls /
bin  etc  initrd.img.old  lost+found  opt  run  srv  usr
boot home  lib  media  proc  sbin  sys  var
dev  initrd.img  lib64  mnt  root  snap  tmp  onlinuz.old
vagrant@vagrant:~$ ls /home
vagrant
vagrant@vagrant:~$ ls /home/vagrant
transfer.txt
vagrant@vagrant:~$ nano transfer.txt_

simon [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
GNU nano 2.9.3 transfer.txt

Hi, I'm sending this file from one virtual box to another

[ Smooth scrolling disabled ]
Get Help  Write Out  Where Is  Cut Text  Justify  Cur Pos  Undo
Exit      Read File  Replace  Uncut Text  To Spell  Go To Line  Redo
```

Conclusion: In this assignment we have successfully learned how to transfer one file from one virtual machine to another.