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Subject: Cloud Computing

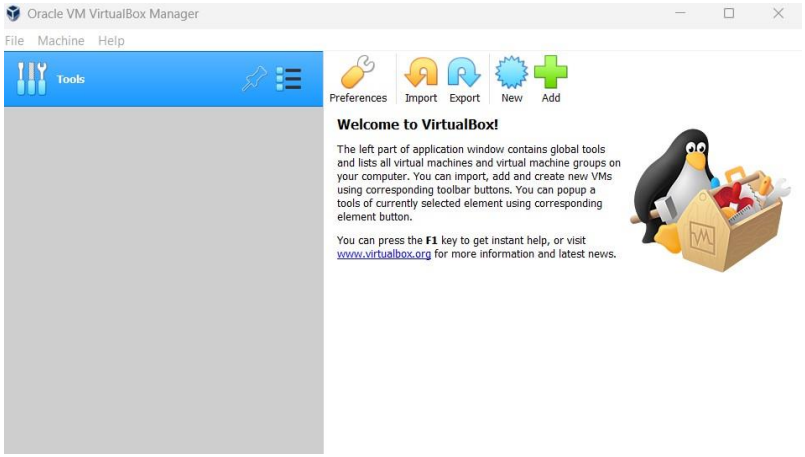
Lab Assignment No. 04

Title: Find a procedure to transfer the files from one virtual machine to another virtual machine

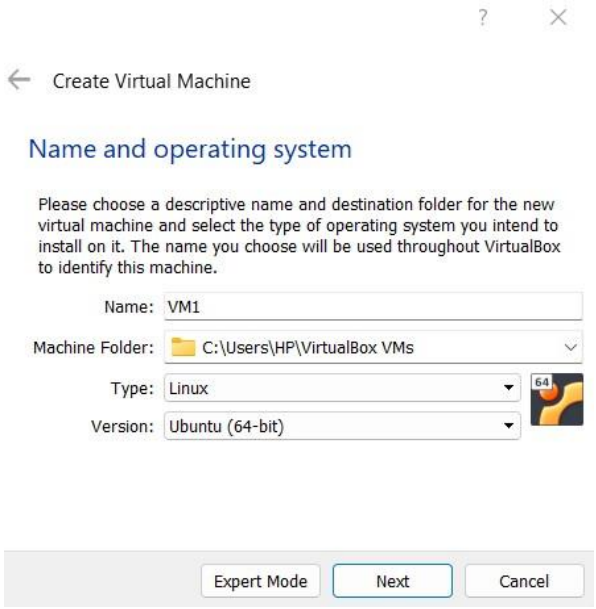
1) Download the Ubuntu VMDK image from https://app.vagrantup.com/bento/boxes/ubuntu-18.04
2) Download and install Oracle's Virtual Box https://www.virtualbox.org/wiki/Downloads

Steps Launch new Virtual Machine:

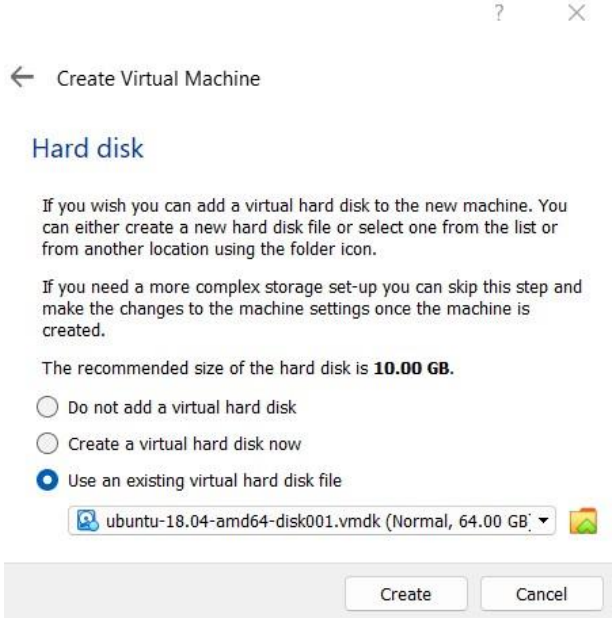
1) Open Oracle VM VirtualBox Manager



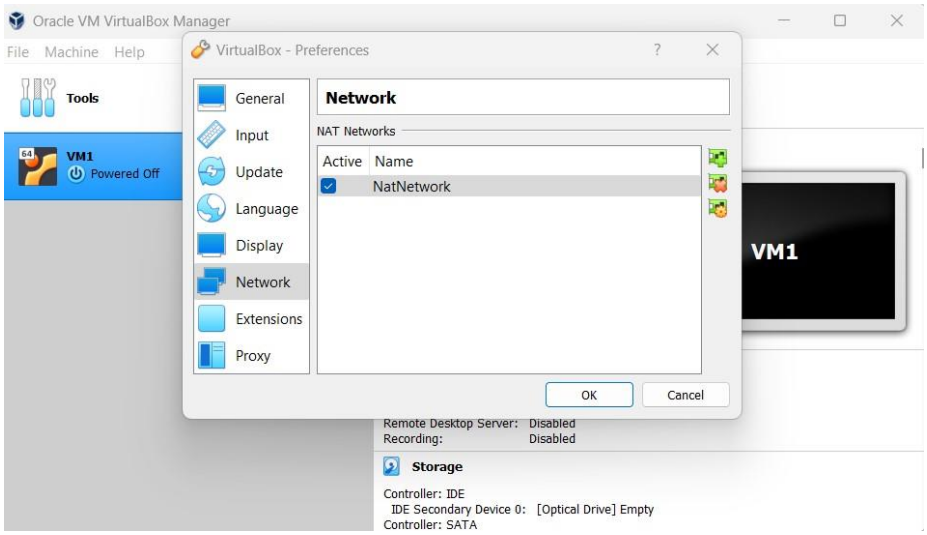
2) Click on new



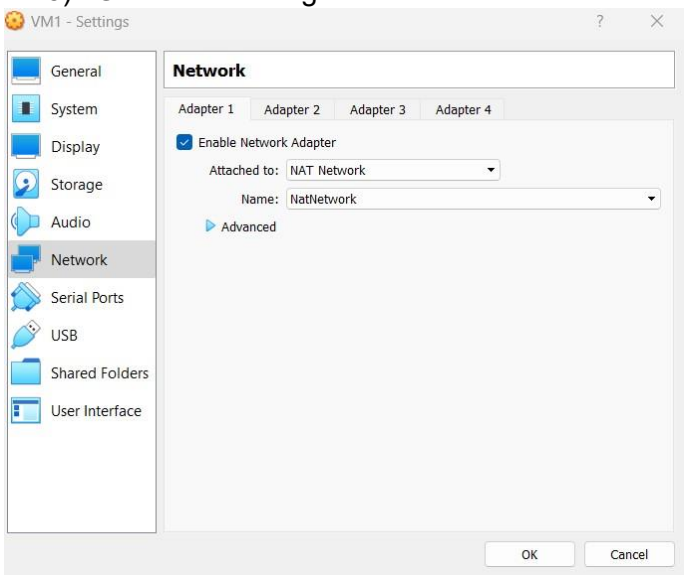
3) Select **Use an existing virtual hard disk file**



4) Now add NatNetwork
   File → Preferences → Network → Ok



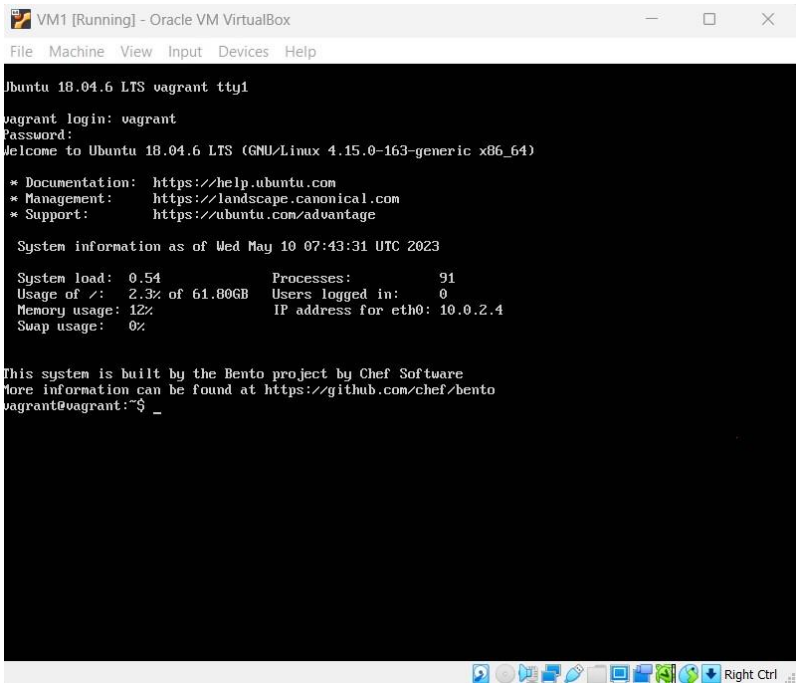
5) Go to VM Settings → Network → Attached to → Nat Network → Ok



Repeat the same process and create VM2

<u>Pass data between Virtual Machines:</u>

1) Start VM1 and log in using the **vagrant** username and password



2) Create a file using **touch myfile.txt**

3) Write data in a file using **nano myfile.txt**

4) Run **ifconfig** command it will give the address of the system in this case address of VM1 is **10.0.2.4**

5) Start the VM2 login into it and get its address using the **ifconfig** command **10.0.2.5**

6) Run **scp myfile.txt vagrant@10.0.2.5:/home/vagrant** command in VM1

```
vagrant@vagrant:~$ scp myfile.txt vagrant@10.0.2.5:/home/vagrant
The authenticity of host '10.0.2.5 (10.0.2.5)' 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 '10.0.2.5' (ECDSA) to the list of known hosts.
vagrant@10.0.2.5's password:
myfile.txt                                    100%   49    13.7KB/s   00:00
vagrant@vagrant:~$
```

7) Run **ls /home/vagrant** in VM2 and check myfile.txt is present there and see the content of the file using the **cat myfile.txt** command

VM2 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
vagrant@vagrant:~$ ls /home/vagrant/
myfile.txt
vagrant@vagrant:~$ cat myfile.txt
Hello, this file is created by dhananjay on VM1.
vagrant@vagrant:~$