VM ware : virtual machine

Experiment-6

17-8-23

Aim :-

To create a VM using VM ware work station / virtual box with 1 vCPU, 2GB RAM and 15GB storages and launch it.

procedure :-

* Install the virtualization software - VMware workstation as type 2.
* ~~Download an os image~~ then open it. It shows click on "create New VM ware".
* start VM ware.
* configure the Hardware settings
* ~~Install the virtual machine and launch.~~ Give name to the processor, Ram 2GB. Then allocate memory 15GB choose network. type of select disc type click next.
* click finish.

Explanation :-

* VM
* VMM
* virtualisation.
* Types of virtualization.

outcome :-

The VM using ubuntu image has be configure and installed on a type 2 hyporix using VM work station.

Output:-

Devices.	
Memory	2GB
processor	1
Hard disk (SCSI)	15GB
CD/DVD (SATA)	Auto detect
Network Adaptor	NAT
USB controller.	present
Sound card	Auto detect
display.	Auto detect

Result:-

Thus the virtual machine with 1VCPU 2GB memory and 15GB storage was successfully created using VMware workstation pro.

Virtual Hard disk

Experiment - 7

17-8-23

Aim:-

To create virtual harddisk for the given virtual machine and allocate around 10GB of storage from the physical HDD.

Procedure:-

* Launch the VM using VMware workstation.
* Under customize hardware -> Add storage.
* select appropriate storage types.
* finish the configuration of storage.
* check to see if the additional hard disk is added in the VM.
* VM will be created with the above steps.

Outcome:-

An virtual hard disk has been added inside the VM machine.

Output:-

▼ Devices.

memory	10GB
processors	2
Hard disk (IDE)	50GB
CD/DVD (SATA)	using file c:\program file(x86)\vmware\ vmware workstation linux.iso.
Network Adaptor	NAT
USB controller	present
Sound card	Auto detect
Display	Auto detect

Result:-

Thus the creation of virtual machine with memory upgradation was done successfully using vmware workstation pro.

Experiment: 8 Snapshot of cloning of a VM 17-8-23

Aim:

1) To create a snapshot and test to see if the deleted content are restored after reloading the saved version of the OS.

2) To create a cloned version of the existing virtual machine and open it from the storage.

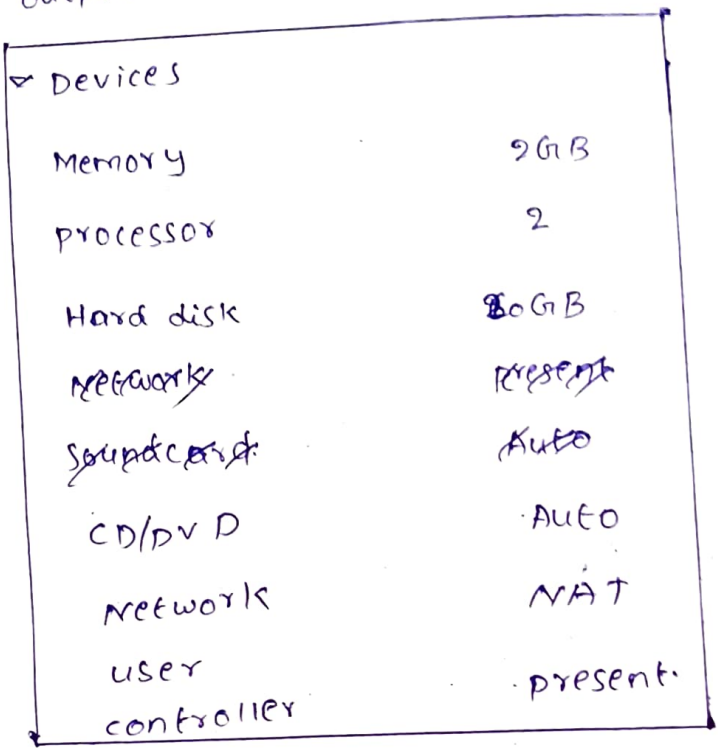
Procedure:

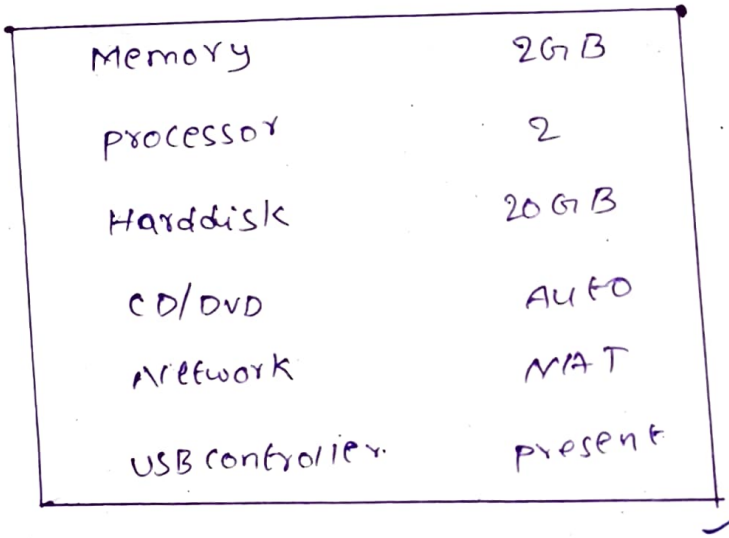
* create a snapshot of the VM.
* Deleted few files and restored the snap by launching the snapshot version of the VM.
* shut down the VM and create a clone of the VM under Manage VM.
* open the VMX file from the cloned location of the VM and test the cloned version.

Outcome:

The snapshot & clone of the VM has been implemented & tested.

output





Result:

The virtual machine is created and also verified by giving outputs.

6 Experiment-9 Virtual machine with your name. 17-8-

Aim:

To create the VM ware installation with name.

procedure:

* All first we should create VM ware workstation app.
* Then open it shows the options.
* click "home" button.
* directly shows some options they are.

create a new virtual machine | open VM | connect server.

* click "create a new VM ware", it asks choose the virtual machine.
* It shows just "operation system" installation click next.
* To select the operation,
  * microsoft
  * ~~Ubuntu~~
  * VM ware
  * other
* Give name to VM and give no of processors
* Then allocate memory, choose network.
* type and select disc type and click.
* VM will be created with the following tips.

output :

▽ Devices

Memory	———	6.1 GB
processor	———	4
Hard disk (NVMe)	———	15GB
CD/DVD (SATA)	———	using File e:\users\windows 10.iso
Network Adaptor.	———	NAT
USB controller	———	present
sound card	———	Auto detect
Display	———	Auto detect

Result :

Thus the creation of virtual machine with own name was created successfully using the vmware workstation pro.

Experiment-10 Snapshot of virtual machine.

17-9-23

Aim:

To create a snapshot and test to see if the deleted content are restored after reloading the saved version of the OS.

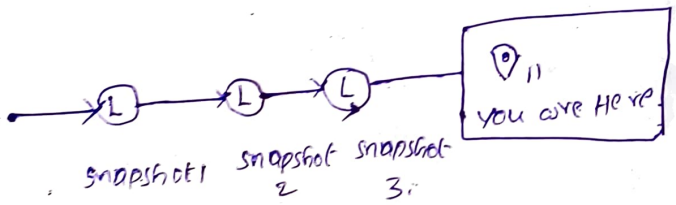
procedure:

* create a snapshot of the VM.
* deleted few files and restore the snapshot by launching the snapshot version of the VM.
* shut down the VM and create a clone of the VM under manage VM.
* open the vmx file from the cloned location of the VM and test the cloned version.
* Implement the verifying snapshot by taking minimum 10 screenshot.
* power on the virtual machine and check whether the deleted files will find by going back to the snapshot.
* Try with another snapshot and check.

Output :-

Devices	
Memory	2 GB
processors	2
Hard disk (NVME)	60 GB
CD/DVD (SATA)	windows.iso
Network Adaptor	NAT
USB controller	present
sound card	Auto detect
Display	Auto detect

Snapshot manager.



Result :-

Thus the creation of snapshot and testing for deleted files was completed successfully using the vmware workstation pro.