

Experiment-5

Aim :- TO create a VM using VM ware work station / virtual box with 1 vCPU, 2 GB RAM and 15 GB storages and Launch it.

Procedure :-

- * Install the virtualization software - VM ware work station as TYPE 2.
- * Download an OS image.
- * Start VM ware.
- * Configure the hardware settings.
- * Install the virtual machine and Launch it.

Explanation :-

- * VM
- * VMM
- * Virtualisation.
- * TYPES of virtualization.

Outcome :-

The VM using ubuntu image has been configured and installed on a type 2 hypervisor using VM work station.

<u>Output</u>	
The virtual machine has started up successfully.	
Devices	
Memory	2 GB
Processor	1
Hard disk (SCSI)	15 GB + Host Share
CD/DVD (SATA)	AUTO detect
Network Adaptor	NAT
USB controller	present
Sound card	auto detect
Display	Auto detect

Result: Thus the virtual machine with 1 vCPU, 2 GB memory and 15 GB storage was successfully created using VM ware work station PRO.

Experiment - 7

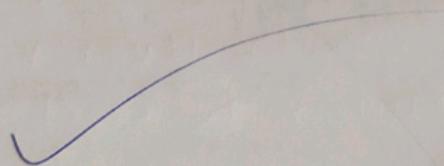
Aim :- To create virtual hard disk for the given virtual machine and allocate around 10 GB of storage from the physical HDD.

Procedure :-

- * Launch the VM using VM ware work station.
- * 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.

Outcome :-

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



▼ Devices

memory	10FB
processors	2
Hard disk (IDE)	50FB
CD/DVD (SATA)	Using file c:\program file(x35)VM ware VM ware workstation Linux. 150. Hood
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 VM ware workstation pro.

Experiment + 8

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.

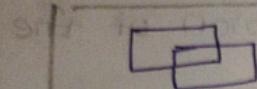
Procedure :-

- * Step - Install and Login to the VM.
- * 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 and clone of the VM has been implemented and tested successfully.

Output :-



CHAY

Devices



memory & FB



processor 1



Hard DISK 15 FB



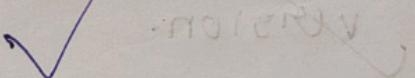
CD/ DVD



DISPLAY AUTO detects

bandis soft mark soft xav soft q393

soft test bld my soft to nothing



nothing

+ something

my soft to snap hard for a pure soft

nothing but snapshot ready soft

Result :- Thus creating a snapshot and cloning of VM is successfully executed and implemented.

Experiment - 9

Aim: TO create the VM ware ~~installation application~~ with name.

procedure:

- * At first we should create VM ware workstation APP.
- * Then open it shows the options.
- * Click on "Home" button.
- * Directly shows some options they are
 - create a new virtual machine
 - open VM
 - connect to server
 - create a new VM
 - open VM
 - connect to server
 - create a new VM
 - open VM
 - connect to server
- * Click on to "Create a new VM ware" it asks to choose the virtual machine.
- * It shows syst "operation system" in installation click next.
- * To select the operation
 - * Microsoft
 - * NNX
 - * VM ware
 - * Other
- * Give name to VM and give no. of processor.
- * Then allocate memory, choose network.
- * Type and select disc type and click.
- * VM will be created with the following HPS.

Output :-

▼ Devices

memory	6.1 GB
processor	4
Hard disk (NVMe)	15 GB
CD/DVD (SATA)	using file
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

Aim :- TO create a cloning of VM and test it by loading the previous version/cloned VM.

Procedure :-

- * Go to VM ware WORK station.
- * Create a virtual machine with 2 GB Ram
- * Create a virtual machine with 4 GB
- * The cloning of VM.

Explanation :-

- * After increasing the VM workstation for installing this we need to check which OS is suitable.
- * Then select the option as VM ware works.
- * After installing VM-ware
 - Open and create a new virtual machine.
- * Then click a box option as per your requirement.
- * Select specific disk capacity & check the compatibility.

Output :-

memory	8FB
Processor	2
Hard disk	20FB
CD/DVD	AUTO
Network	NAT
User controller	Present

memory	8FB
Processor	2
Hard disk	20FB
CD/DVD	AUTO
Network	NAT
USB controller	Present

After configuration my VM is ready to run.
Right click on icon in left panel
Select Run As

Select My Computer
Select OK

Open VM
Select My Computer
Select OK

Selected option and a new window
opened

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