VIRTUALIZATION:

It is a technique in which the physical resources of the computer can be used for creating many virtual machines through the software layer called Hypervisor

VIRTUAL MACHINE

Virtual machine is a digital version of physical computer virtual machine software can run programes and operating systems store data, connect to network, and do other computing function, and requires maintenance such as update and system monitoring

QUESTION:

Create a virtualmachine using hype-2 hyper visor and allocate the required storage Also give the provision of decreased the amount of storage allocated to the virtual machine.

TYPE-2 HYPERVISOR:

• where Hypervisor implemented through the operating system. It is more useful and advance technique to create virtual machine

• It follows the statement of software doesn't wears out."

CREATING VIRTUAL MACHINE:

DOWNLOAD:

* Open Chrome browser and search virtual box on the search key it get into the website of virtual box "https://www.virtualbox.org/"

* On that website we had the preferences of downloads on the left side Click on it

* On downloads we have many OS platforms for to run virtualbox.

* We use windows Operating System so we dowloads the windows host.

* After downloads, the virtual box exe file was available in the downloads floder of your PC

Installation:-

* Run your virtual box exe file as administration it follows the command of `yes` to grant the update.

*, Give the positive assuer to installation of your application

* It shows what the options that have in the virtual box and you have the rights to take that what ever you want.

* It gives the warning that is network Interfa /Network will reset and gives same updatation and many more Interactions

*. Missing dependencies of python and win 32 api we ignore the dot window and Install our virtual box

* It takes few minutes and pop-up the virtualbox application after Installing.

(VIrtual BOX)

VIRTUAL MACHINE CREATION:

* Adapt the environment of the virtual box and see what we have in the application

* To create virtual machine by Select machine on the task bar of the box

* New option to create a new virtual machine on your virtual box

* It shows the window of create virtual machine.

WINDOW OF CREATE VIRTUAL MACHINE

*, First we have to name it we have named as " virtual machine1".

* Select the path for the virtual machine to store on your computer, ISO file is also have in the option and type for Operating system that to be installed on your VM

* Version was the vital option what bit processor you have on your computer do know that you go to pc and select the properties to know about your pc and give NEXT on your creation window.

HARDWARE MEMORY:

*, you have to Range your Base memory of the virtual machine

* And select the how many you have use on the VM.

VIRTUAL HARD DISK:

*) Disk was allocated as your range of RAM size you have to select your range of size and give next.

SUMMARY:

* In this Summary you have the all deta about your virtualmachine namely,

machine name &
OS Type
{
machine name:
machine folder:
ISO image:
Guest OS type:
}

Base memory }
Processors } Hardware

EXPAND THE VIRTUALMACHINE SIZE

*, Go to file select tools and the select the properties of your virtual machine

*, you can expand your memory size of your virtual machine and give apply for your changes

*, It will update and assign the new size of the existing virtual BOX.

* So we created Type 2 hypervisor's virtual machine and expand the size of the virtual machine.