

PRACT 2: Installation and configuration of virtualization using KVM

Steps:-

1. Download Virtual box
2. click on new and give name and select type as linux
3. select the size of RAM.
4. Select VHD
5. Select dynamically.
6. Give the path and select size
7. Select the ISO in storage and click on start
8. Select install Ubuntu.
9. Enter name and password and click on continue
10. Now open terminal and perform the following commands.
 - a) sudo apt update
 - b) sudo apt install qemu qemu-kvm -kvm
 - c) sudo apt install virt-manager
 - d) sudo grep -c "svm\ lvmx" /proc/cpuinfo
 - e) sudo apt -get install qemu-kvm libvirt-bin bridge-utils virt-manager
 - f) sudo adduser << username >>
 - g) sudo adduser tom libvirt
11. After running above commands, log out and log back in as ~~tom~~ user
12. Follow steps Top menu select Devices \rightarrow opticals Drives \rightarrow choose disk image (Select any OS ISO)
13. Virt - Manager.

PRACT 3:- study and implementation of infrastructure as a service

steps:-

- 1) open VM box start the Machine
- 2) Move to Settings
- 3) click on Network then click on port forwarding
- 4) then move to local host dashboard
- 5) login into openstack
- 6) click on create project
- 7) Then go to create user & add details
- 8) Then click on create user

PRACT 4:- study and implementation of storage as a service

steps:-

- 1) Download and Install wampserver .
- 2) Download and extract owncloud
- 3) copy owncloud folder in owncloud 6.0.9 & paste in C-drive /program files /wamp /www. directory
- 4) click on task bar in windows and click on WAMP runtime → localhost .

Then search localhost /owncloud / in browser Give username and password in login page and finish setup .

- 5) upload file
- 6) Create new user .
- 7) Share file with user .
- 8) check shared file in shared folder .

- pract 1- To study cloud security write a program for web feed.
1. Install the software "RSSBuilder" and fill it
 2. Open RSS Builder → Insert dummy data → save RSS feed → select XML preview → save with .xml extension.
 3. Open Visual studio 2019 → create new project → .NET framework web form → Give project Name → finish
 4. Now Right click on project Name → Add → Now item → web form → add.
 5. Right click on project → Add existing item → select file saved with .xml extension → add.
 6. Add href inside anchor tag in webform.aspx
([feed](rss.xml))
 7. Change browser to chrome make sure chrome has 'RSS subscription Extension'
 8. RUN file.

Pract 8:- study and implementation of single-sign-on

1. Go to auth0.com
2. Choose personal click on Next.
3. A tenant name will be provided to you select us in region click on Create Account.
4. Dashboard will appear click on Authentication >>> SSO.
5. A Google / Gmail Connect will appear click on the tree dots >> Try connection.
6. Choose the account you want to connect
7. If the connection is established you will be redirected to this page.

Pract 9:-