Introduction to Computer Security Module – G6077

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xRDP access

[Graphical UI for Kali]

This lab assumed you have already a running Kali terminal. In this lab, we need to set up how to set up to access Kali GUI. Kali terminal is limited in many features compare to its GUI interface.

We can run the following only from the root user account, you will know if you are log in as a root user if you can see # instead of $ in the terminal.

If you are not in the root then use su to login to root, double check if you are root by whoami command.

Most students prefer to the point and short lab sheet. That is why I have not explained some of the commands listed below. If you are interested, you can search about that yourself.

1) Command to install => apt-get install xrdp lxde-core lxde tigervnc-standalone-server –y

2) May display this error

E: Unable to fetch some archives, maybe run apt-get update or try with --fix-missing?

3) if error occurred then we should

sudo apt-get clean

sudo apt-get update

Good articles to read to deal with this error

<https://stackoverflow.com/questions/38743951/unable-to-fetch-some-archives-maybe-run-apt-get-update-or-try-with-fix-missin>

4) add new user

> Useradd –m kali

>Passwd kali

New Password: 1234

Retype password: 1234

>Usermod –a –s sudo kali

>Chsh –s /bin/bash kali

> cd /etc/xrdp

> ls –lart

Going out from vim editor is press esc or enter : and then q!

>cd

>vim .bashrc will open editor having many keys/values pair

In the editor find

More aliases

And change the line from

#alisase ls = ‘ls -l’ to aliase ls = ‘ls -lart’

>cd /etc/xrdp

>ll it does display the same output as the ls –lart

> cp xrdp.ini xrdp.ini\_org\_bck

> vim /etc/xrdp/xrdp.ini

> In the editor add these changes

1) auto= sesman-any

2) max\_bpp=16

3) in the [sesman-any] add ip=127.0.0.1

If sesman-any is not in the editor then you will need to add

[sesman-any]

Name=sesman-any

Lib=libvnc.so

Ip=127.0.0.1

Port=1

Username=ask

Password=ask

#delay\_ms=2000

After the above changes come out of the vm editor

>cd /etc/X11

>cp Xwrapper.config Xwrapper.config\_org\_bck

>vim Xwcdaptrapper.config change value allowed\_users=anybody

>service xrdp start

>service xrdp-sesman start

>update-rc.d xrdp enable

>systemctl enable xrdp-sesman.service

Displays a message that a symlink is created

>service xrdp status check in the output that active status is running

>netstat –putln check in the output that the port assigned to the xrdp is correct, port should be 3389

**RDP Settings Security Group Settings**

Check kali instance view Inbound, it allows only port 22

On the right hand side, Security Groups, find the group related to Kali linux

Edit mode, add a new rule, port=3389, source=anywhere, Description=xRDP,

**Accessing Kali using xRDP**

Open Remote Desktop Connection on Windows, if you have Apple, it will have an equivalent application

Enter IP address for the Computer

User: kali

Password:1234 //whatever value you give for the

Extremely important, do not forget to change:

Display quality resolution to a smaller value

Colours: choose 16bit

Try a high resolution and colour value by logging out to see the affect ap