Chapter 1

will get you used to the file system and the terminal, and give you some basic commands.

INTRODUCTORY TERMS AND CONCEPTS:

Binaries: refers to files that can be executed, similar to executables inWindows such as ps, cat, ls, and cd

Case sensitivity: linux is case sensitive that means Desktop is different desktop so If you get the error message "file or directory not found "you probably need to check your case.

Directory: This is the same as a folder in Windows.

Home: Each user has their own /home directory, and this is generally where files you

create will be saved by default.this sams as mypc in windows

root:is asuperuser who can excute any command and This would include such things as reconfiguring the system, adding users, and changing passwords.

Script: This is a series of commands, Many hacking tools are simply scripts.

Shell: This is an environment and interpreter for running commands in Linux.

The Linux Filesystem

The Linux filesystem structure is somewhat different from that of Windows.

The root (/): of the filesystem is at the top of the tree,

/root :The home directory of root user

etc:content a configuration file

/home :The user's home directory

/mnt: this content a other filesystems he mont when system restart

/bin :Where application binaries

BASIC COMMANDS IN LINUX:

Pwd:use to get where you are currently.

Whoami:use to get which user you're logged in

cd: To change directories from the terminal

Is: To see the contents of a directory ,you can add some of parmeter to get more information sush as (Is -I)

--help:in linux we can use it to get information about command

man:in addition help, with more information, such as a description and synopsis of the command or application.

Locate: is the quiq way ti find the locations file you can manualy update datebase by coomand: sudo updatedp locate namelist.txt

whereis: If you're looking for a binary file

find: is the powerfull and flexable of search

example:

find / -type f -name apache2 (The find command started at the top of the filesystem (/), went through every directory)

-type: Then I specify which type of file to search for, in this case ffor an ordinary file

find pathname expression actions find -name 'file*' find Desktop/ -size +10 find Desktop/ -atime +5 find Desktop/ -mtime + - 5 tare7 elt3del find Desktop/ -user nameof user find Desktop/ -type d or f file or mogald find Desktop/ -perm

Cat: display the contents of that file, but to create a file, use > and use >> twhithout replace

touch: for creating a file in linux

Mkdir: for creating a directory in linux

CP:use to copy file

cp a.txt /home cp a.txt b.txt

-p same as --preserve=mode,ownership,timestamps

mv:use to rename file

rm:use to remove filr

rmdir:use to remove directeroy you can use" rm -r" if the "directory is not emp

chapter 2

TEXT MANIPULATION

Head:use if you want to view the beginning of a file,he show 10 line but you can use -n to determins the number of line

Example:

head -15 test

head a.txt head -n 5 a.txt

Tail: use if you want to view the last of a file

grep: It lets you filter the content of a file for display.

grep words file return number the line grep -n words file return number of line without return value grep -v words file return the line dont fined the words grep '^words' file searsh the words begin grep 'words\$' file searsh the words a7ro word de grep 'no...y' file search word contet of 6 char start no and a7ro y and between them 3 char

nl:display line numbers.

Less:asmiler of more but we can scrole

Chapter3

ANALYZING AND MANAGING NETWORKS

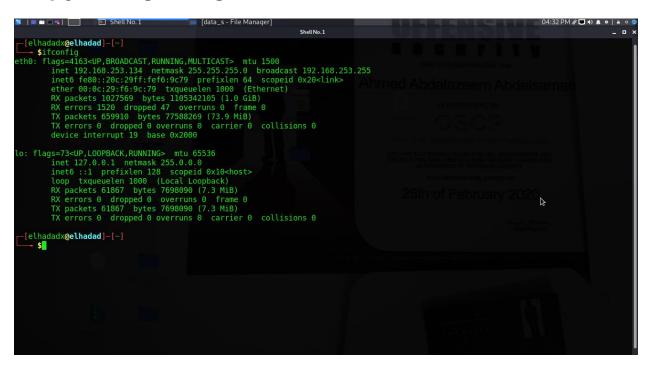
Understanding networking is crucial for any security researsher.

You needs to know how to connect to and interact with that network

ANALYZING NETWORKS WITH IFCONFIG:

You can use it to query your active network connections by

simply entering ifconfigin the terminal



Interface eth0 which is short for Ethernet0

Lo:loopback for internal

Changing Your IP Address:

To change your IP address write > ifconfig eth 0192.168.181.115

Changing Your Network Mask and Broadcast Address

You can also change your network mask and broadcast address

>ifconfigeth0192.168.181.115netmask255.255.0.0broadcast<

192.168.1.255

Spoofing Your MAC Address

You can use ifconfing to change macadress, them. Changing your MAC address to spoof a different MAC address is

almost trivial and neutralizes those security measures

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