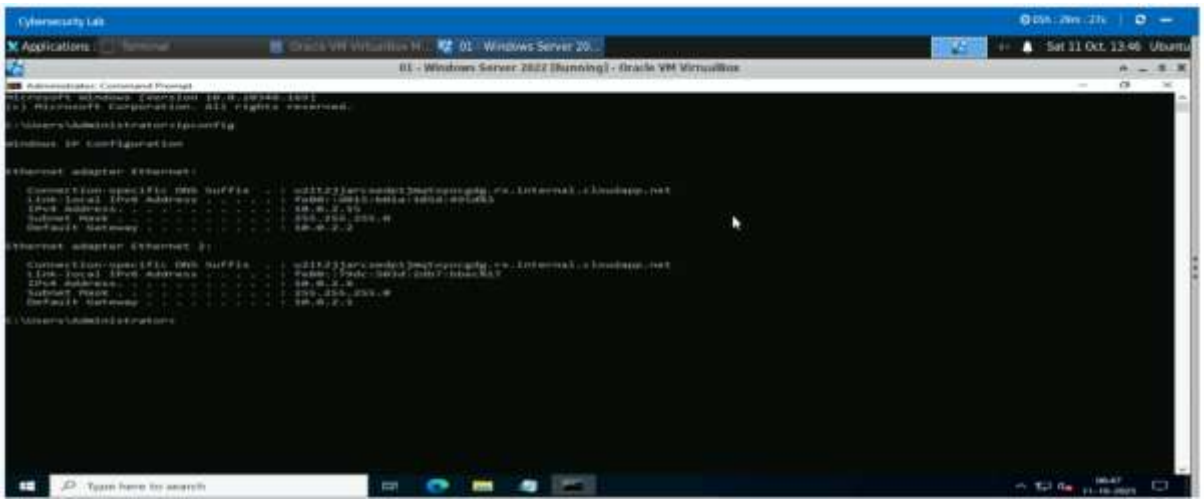
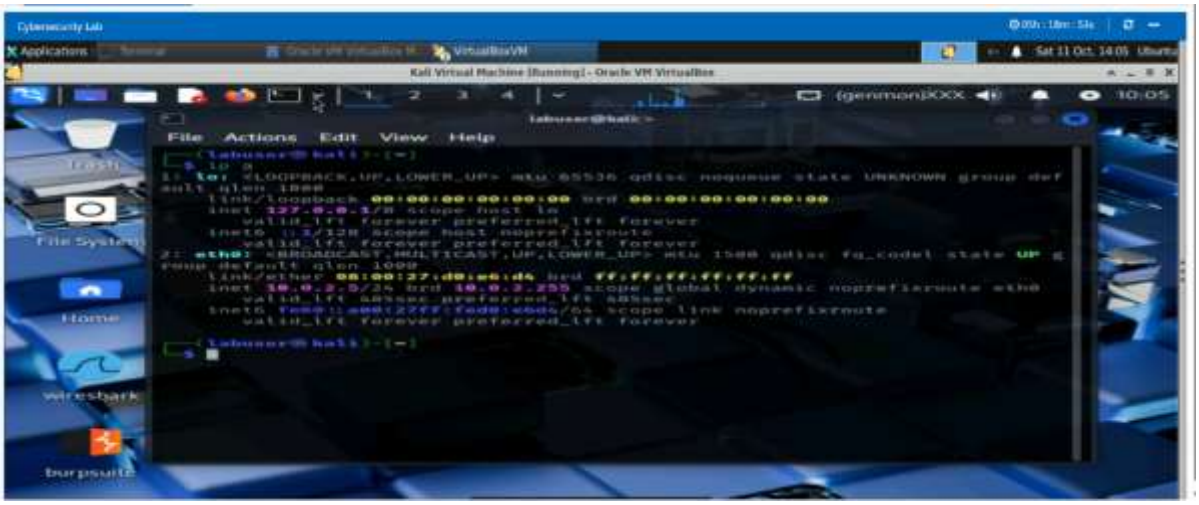
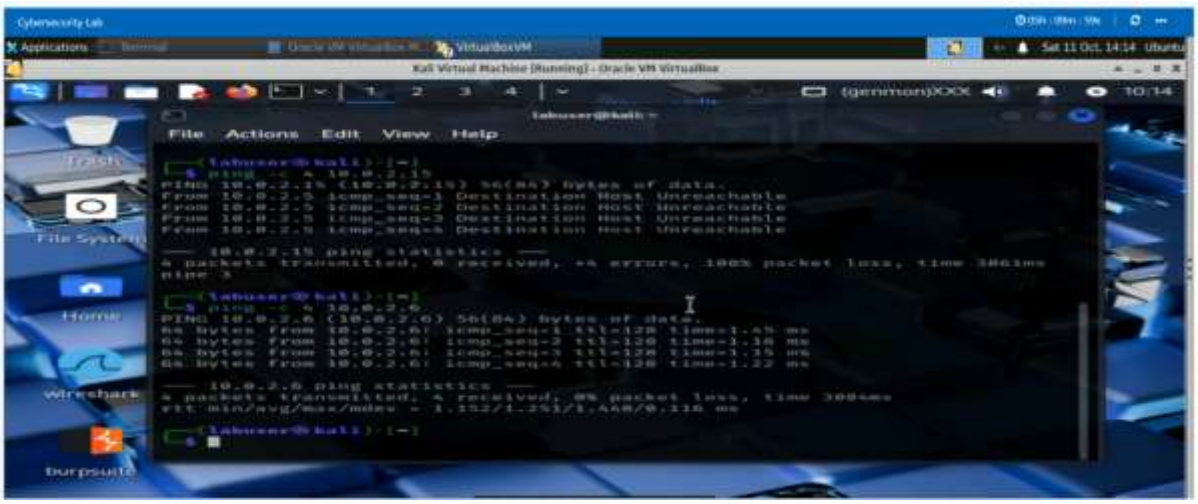
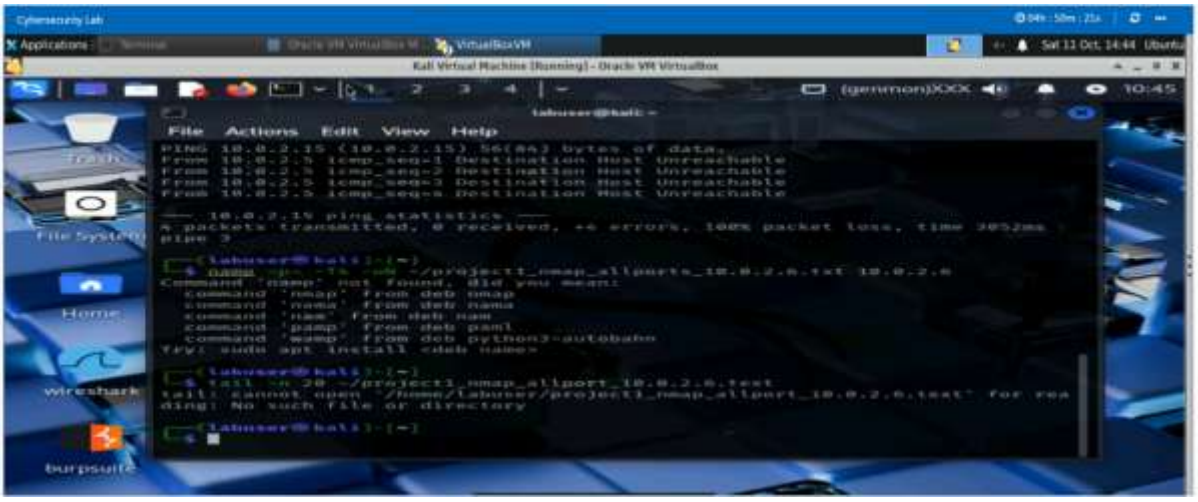
Conducting Vulnerability Assessment and Penetration Testing on a Simulated Web Application Environment

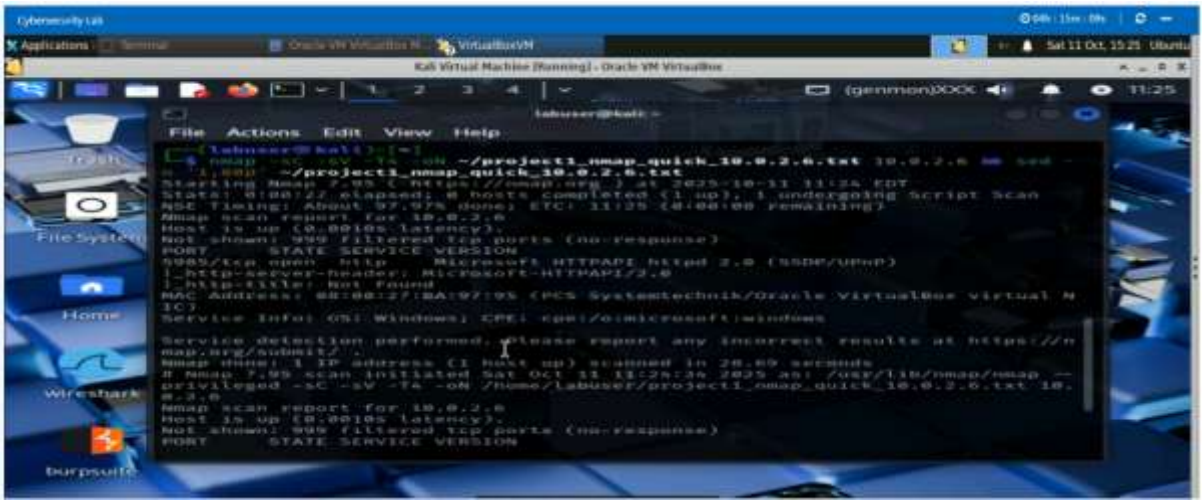
Commands Screenshots:

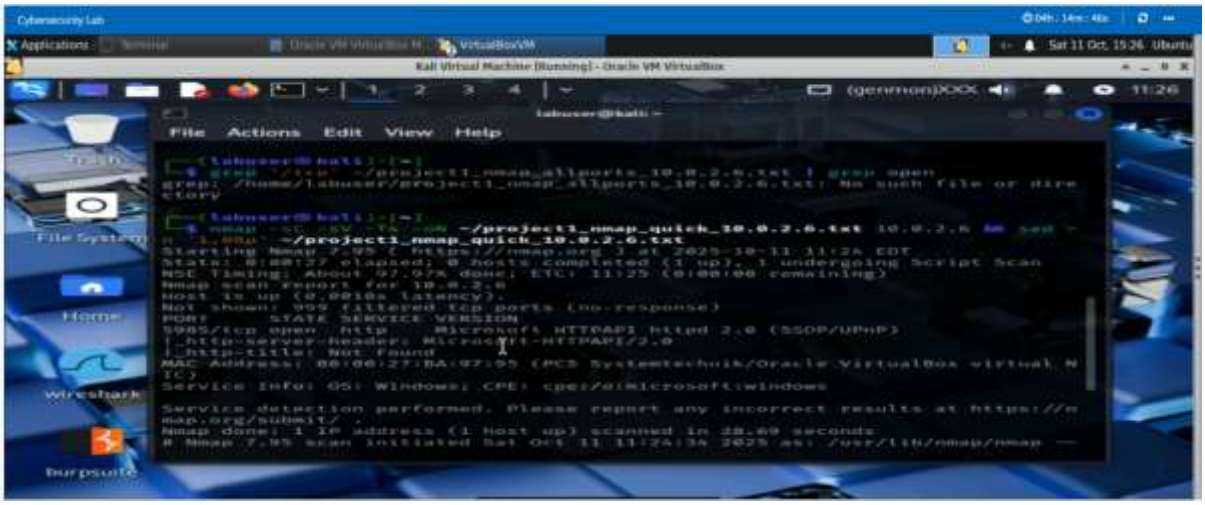


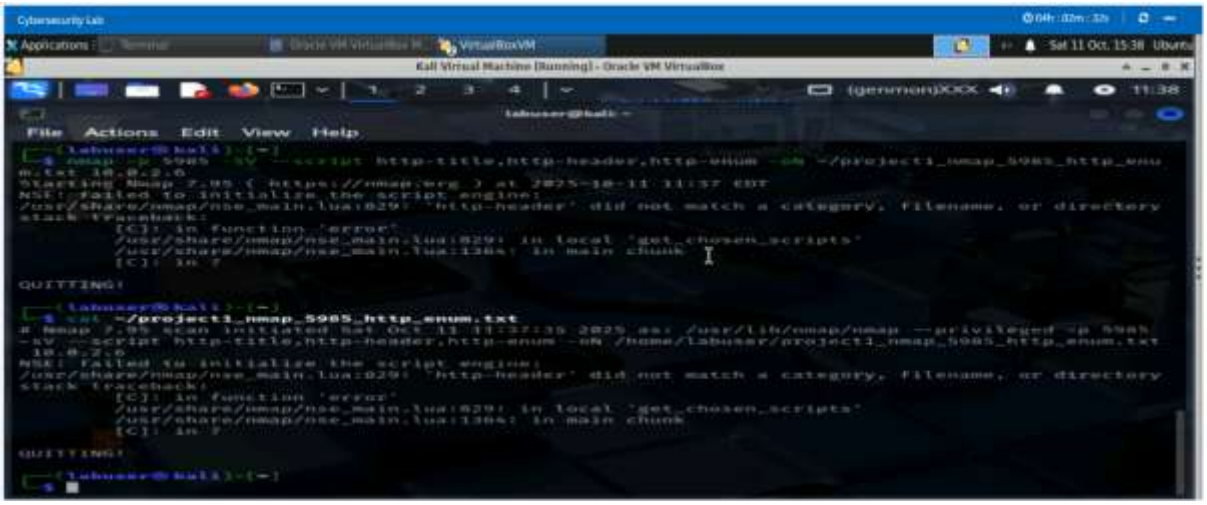


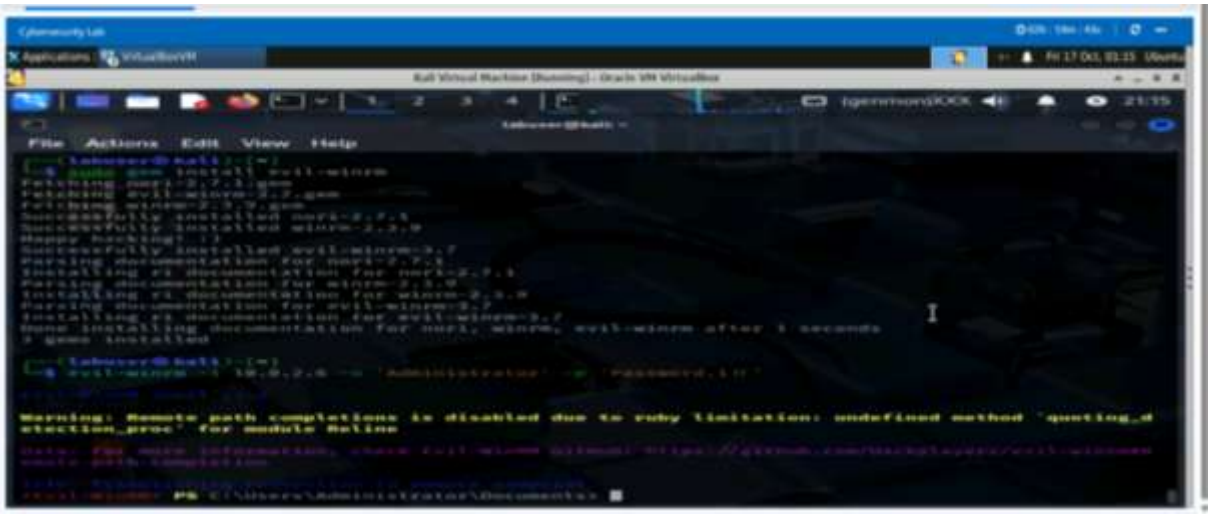


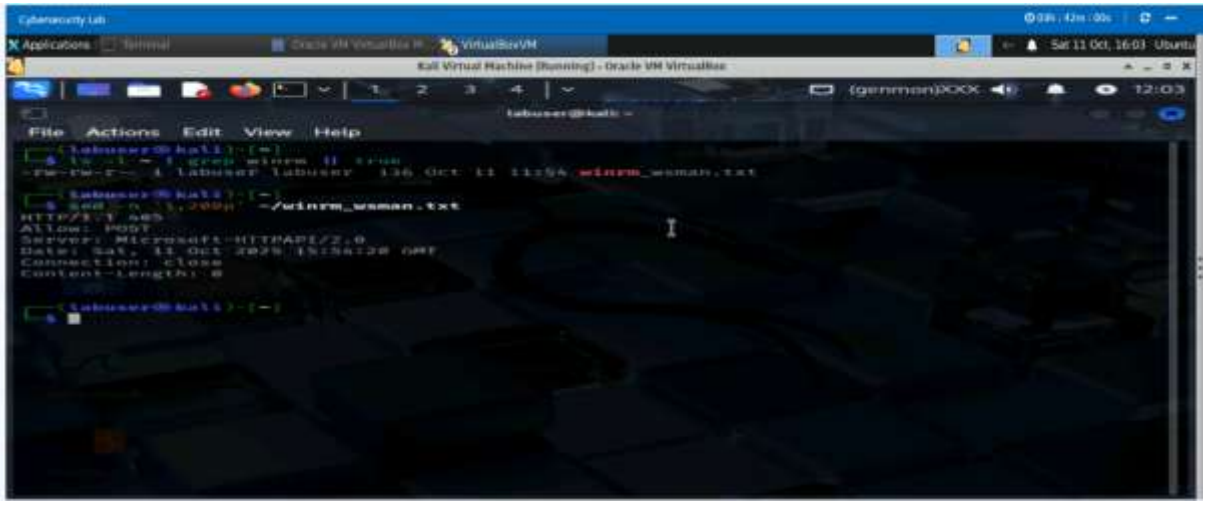

Kali Virtual Machine [Running] - Oracle VM VirtualBox
File Actions Edit View Help
labuser@kali: ~
Trash
File System
Home
Wireshark
burpsuite

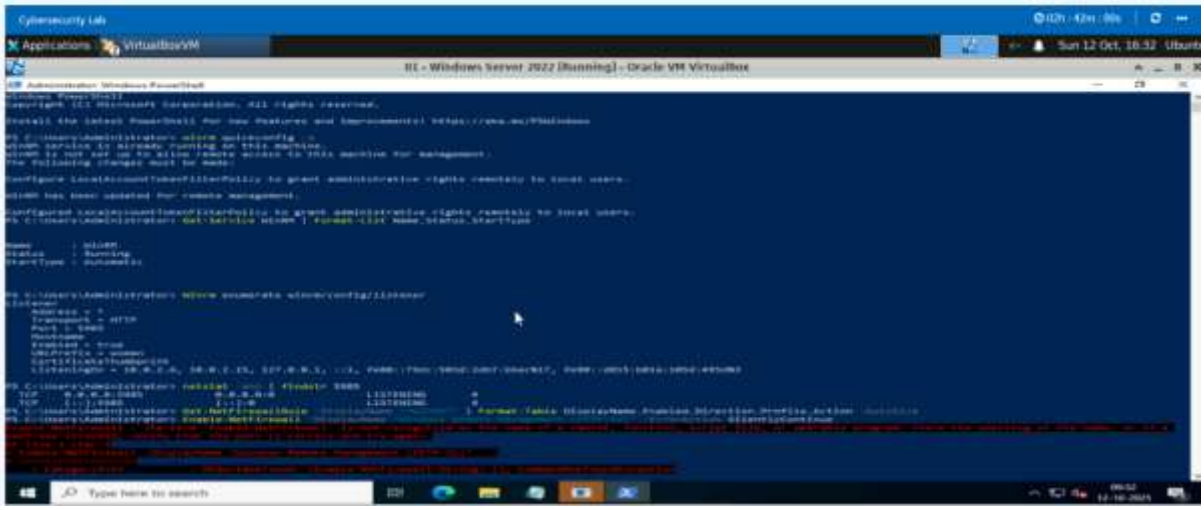

Kali Virtual Machine [Running] - Oracle VM VirtualBox
File Actions Edit View Help
labuser@kali: ~
Trash
File System
Home
Wireshark
burpsuite

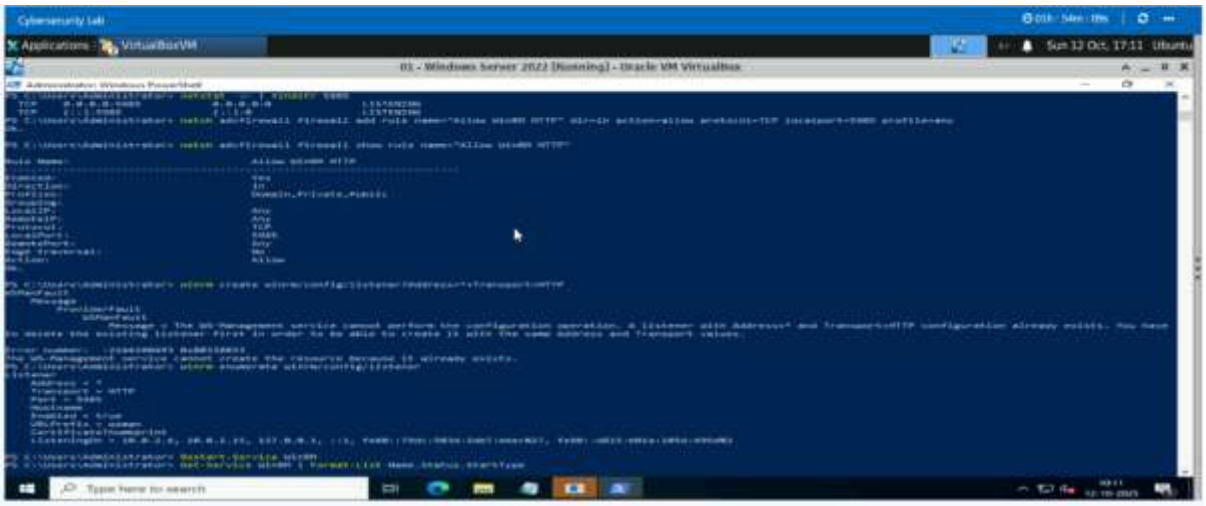

Kali Virtual Machine [Running] - Oracle VM VirtualBox
File Actions Edit View Help
labuser@kali: ~
Trash
File System
Home
Wireshark
burpsuite

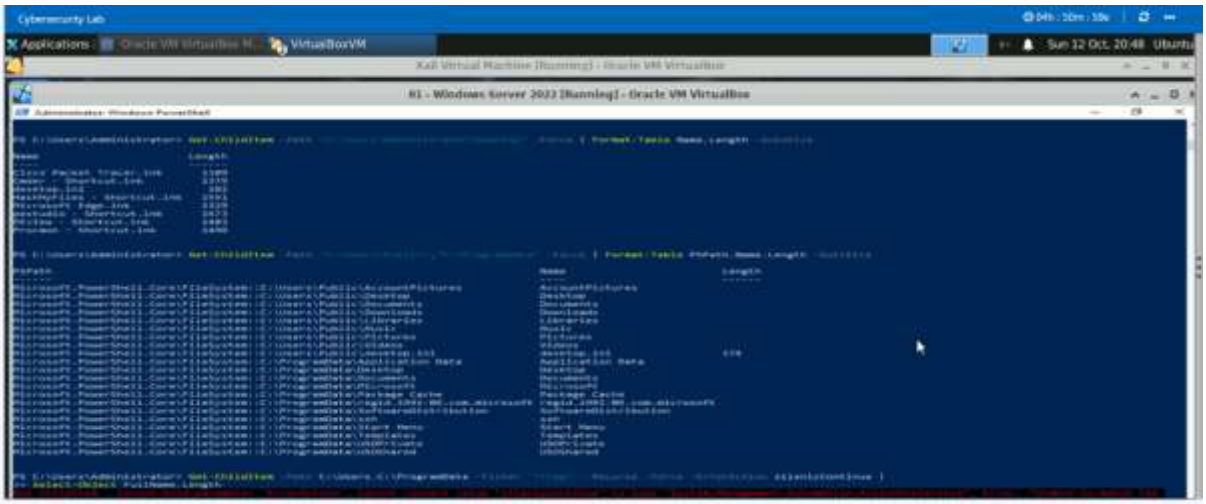

Cybersecurity Lab
Applications
VirtualBoxVM
Sat 11 Oct, 15:38
Kali Virtual Machine [Running] - Oracle VM VirtualBox
File Actions Edit View Help
QUITTING!
~/project1_nmap_5985_http_enum.txt

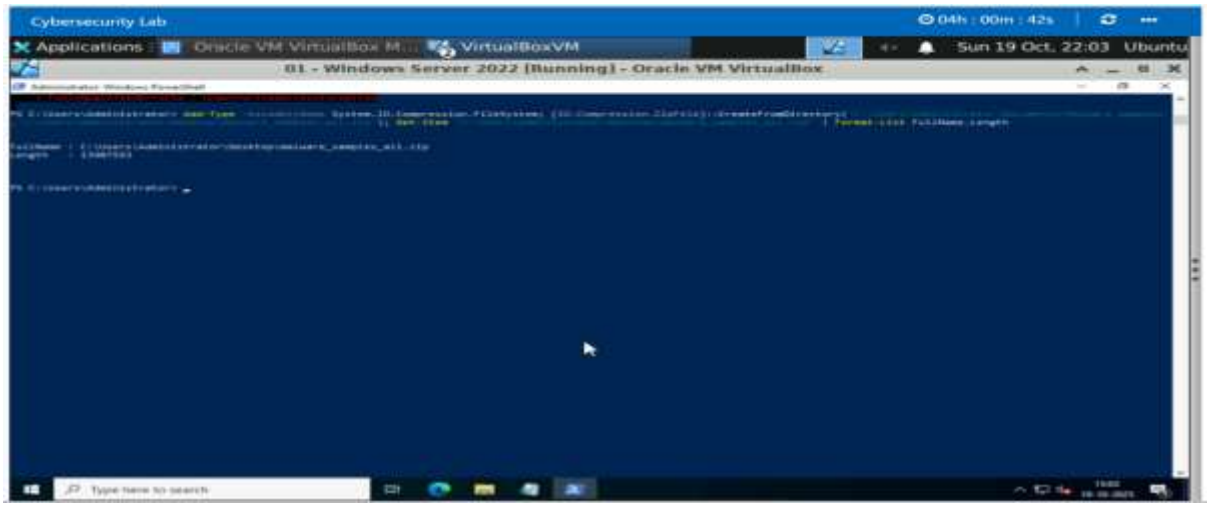

Cybersecurity Lab
Applications
VirtualBoxVM
Kali Virtual Machine [Running] - Oracle VM VirtualBox
File Actions Edit View Help
Warning: Remote path completions is disabled due to ruby limitation: undefined method 'quoting_detection_proc' for module Reline

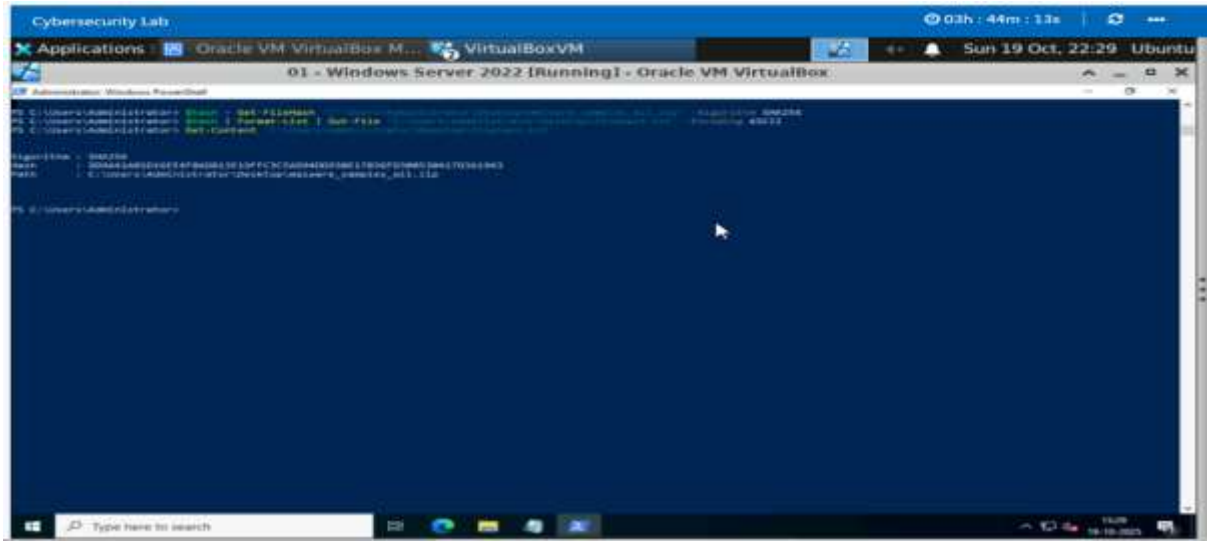

Cybersecurity Lab
Applications
VirtualBoxVM
Sat 11 Oct, 16:03
Kali Virtual Machine [Running] - Oracle VM VirtualBox
File Actions Edit View Help
~/winrm_wsman.txt
HTTP/1.1 405
Allow: POST
Server: Microsoft-HTTPAPI/2.0
Date: Sat, 11 Oct 2025 15:56:20 GMT
Connection: close
Content-Length: 0

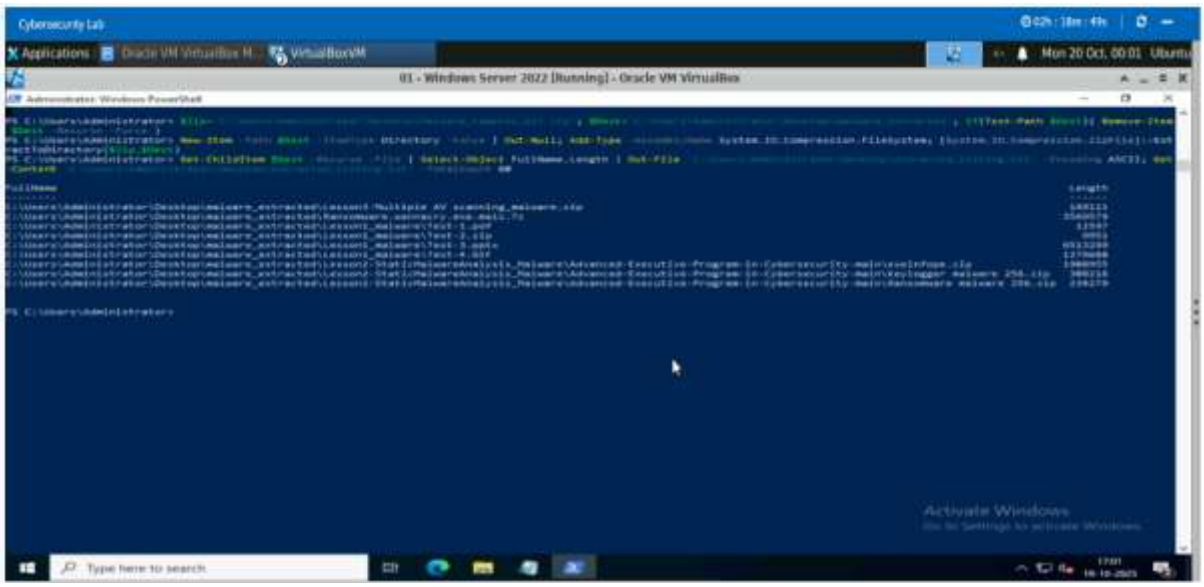

Cybersecurity Lab
Applications
VirtualBoxVM
Sun 12 Oct, 16:32
01 - Windows Server 2022 [Running] - Oracle VM VirtualBox

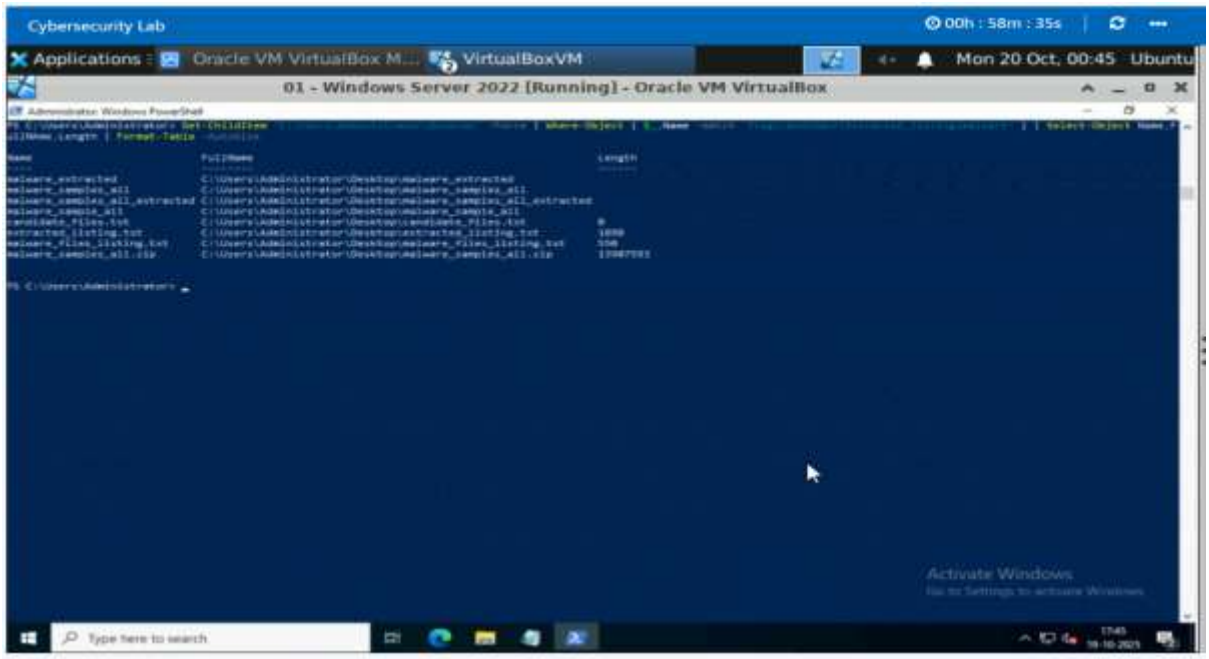

Cybersecurity Lab
Applications
VirtualBoxVM
Sun 12 Oct, 17:11
01 - Windows Server 2022 [Running] - Oracle VM VirtualBox

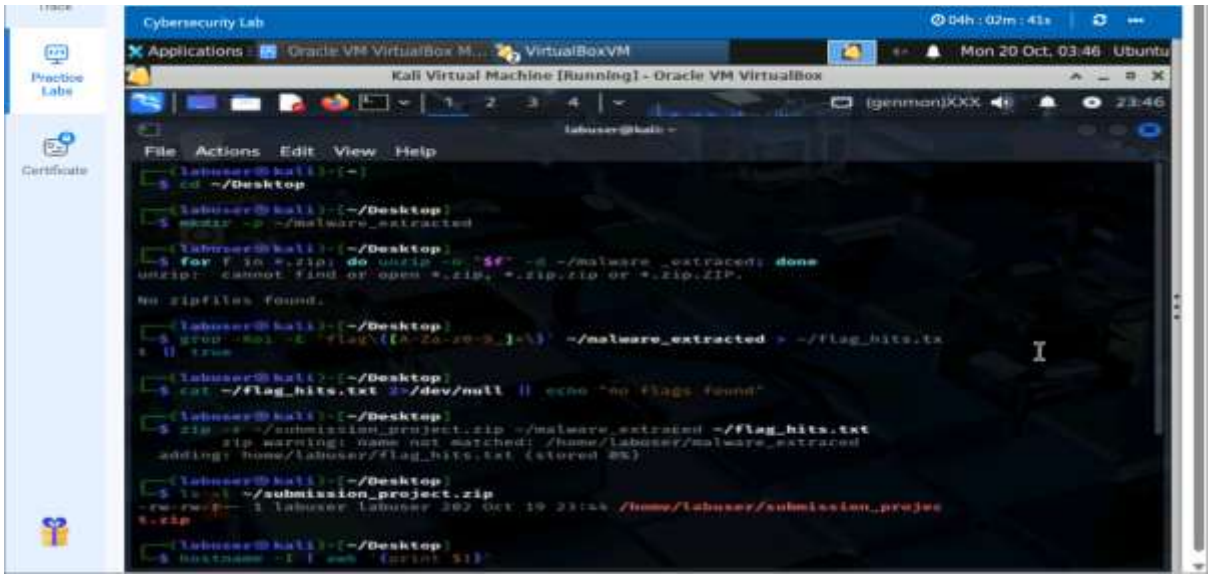

Cybersecurity Lab
Applications
VirtualBoxVM
Sun 12 Oct, 20:48
01 - Windows Server 2022 [Running] - Oracle VM VirtualBox

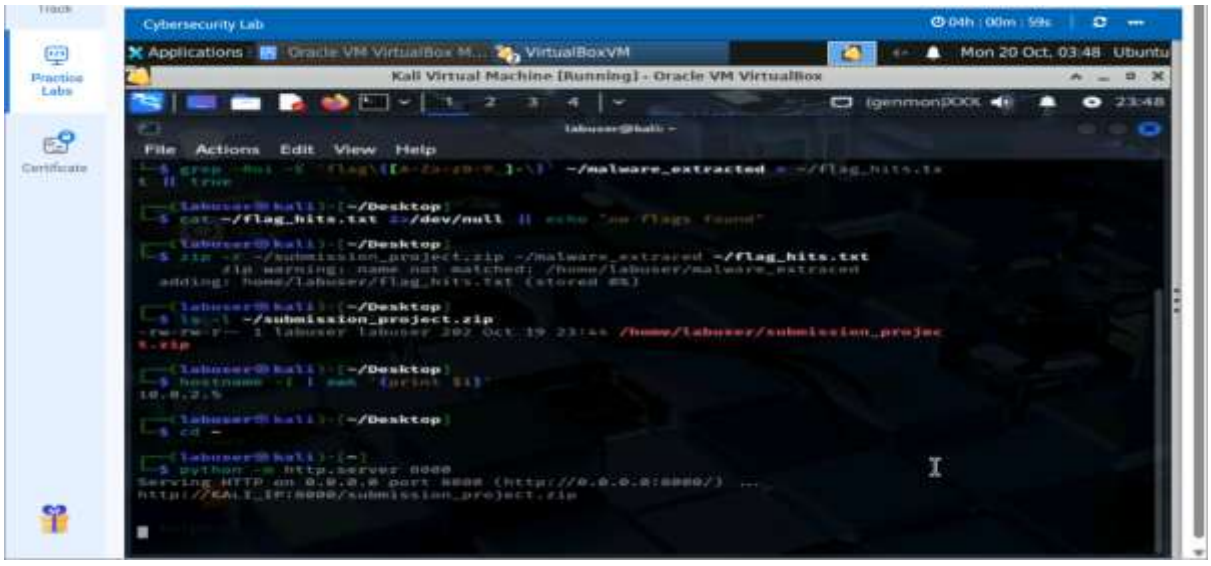

Cybersecurity Lab
04h : 00m : 42s
Applications
Oracle VM VirtualBox M...
VirtualBoxVM
Sun 19 Oct, 22:03
Ubuntu
01 - Windows Server 2022 [Running] - Oracle VM VirtualBox
Type here to search

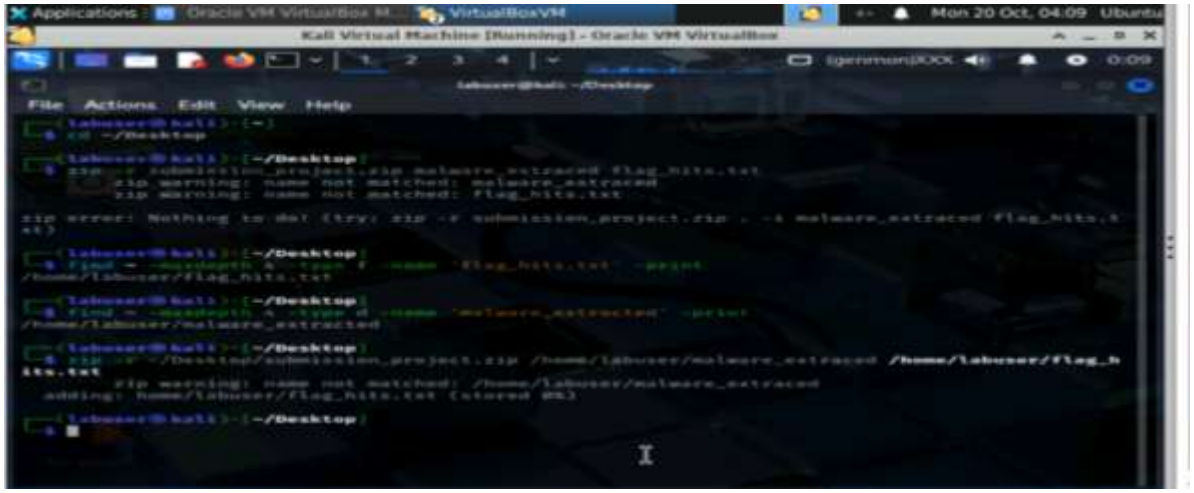

Cybersecurity Lab
03h : 44m : 13s
Applications
Oracle VM VirtualBox M...
VirtualBoxVM
Sun 19 Oct, 22:29
Ubuntu
01 - Windows Server 2022 [Running] - Oracle VM VirtualBox
Type here to search

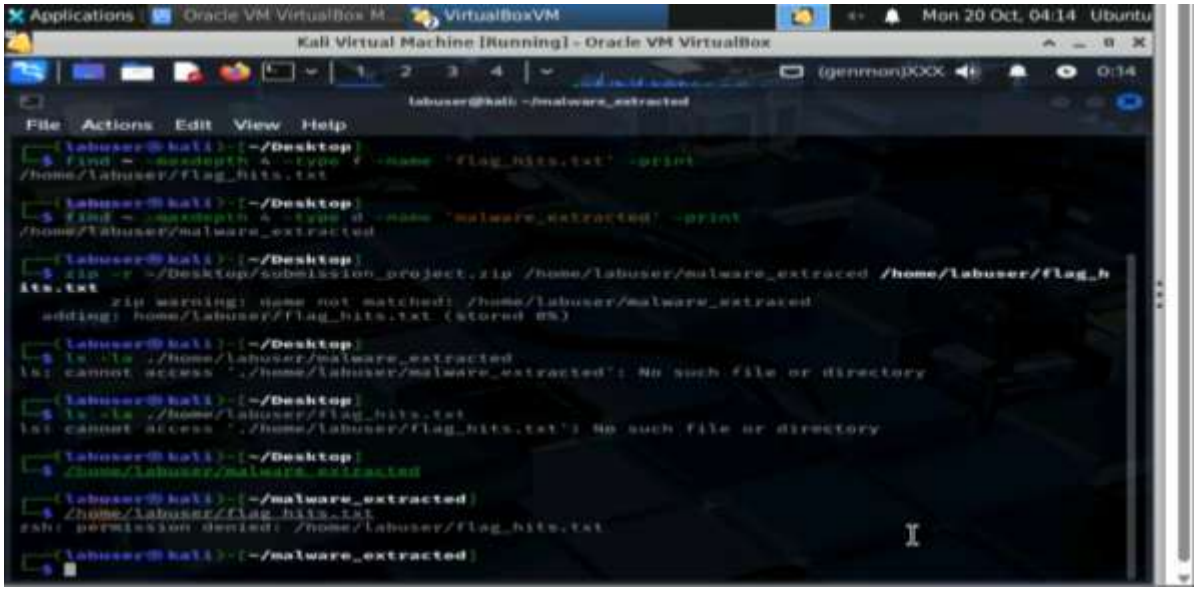

Cybersecurity Lab
02h : 18m : 49s
Applications
VirtualBoxVM
Mon 20 Oct, 00:01
Ubuntu
01 - Windows Server 2022 [Running] - Oracle VM VirtualBox
Activate Windows
Type here to search

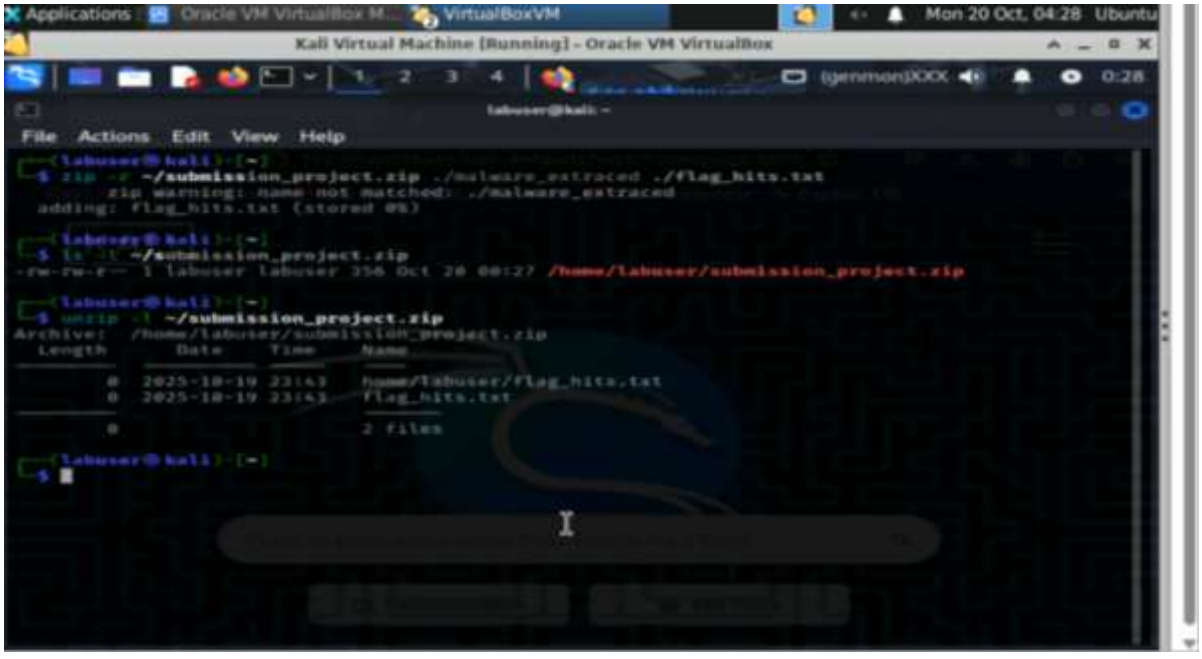

Cybersecurity Lab
00h : 58m : 35s
Applications
Oracle VM VirtualBox M...
VirtualBoxVM
Mon 20 Oct, 00:45
Ubuntu
01 - Windows Server 2022 [Running] - Oracle VM VirtualBox
Activate Windows
Type here to search

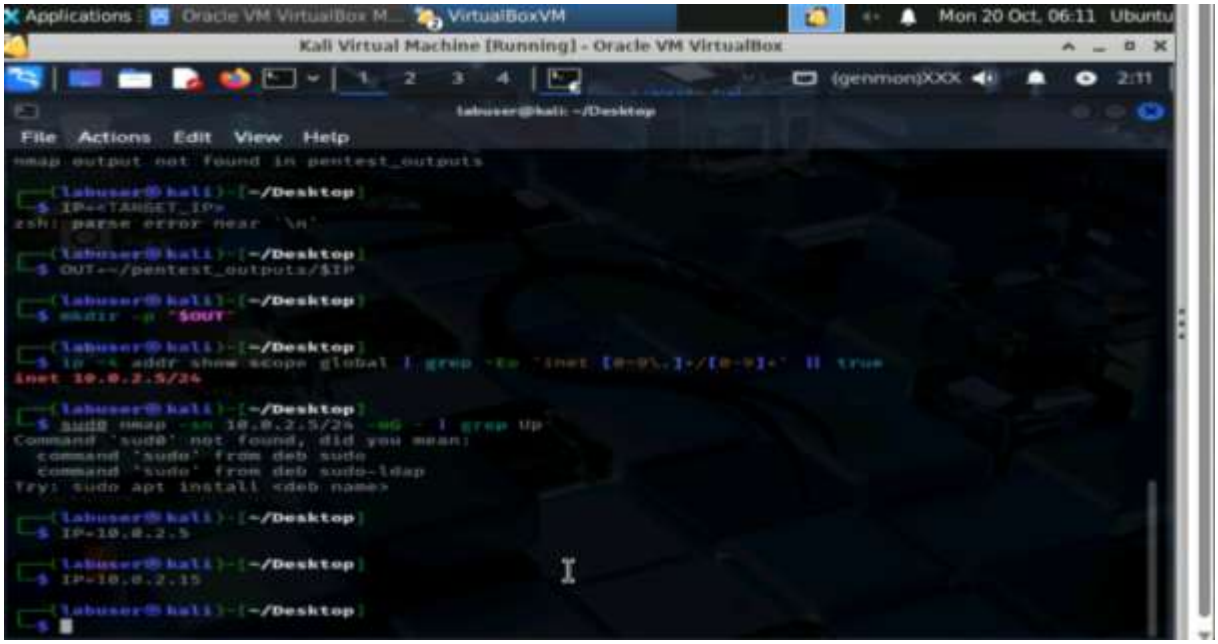

Cybersecurity Lab
04h : 02m : 41s
Practice Labs
Certificate
Applications
Oracle VM VirtualBox M...
VirtualBoxVM
Mon 20 Oct, 03:46
Ubuntu
Kali Virtual Machine [Running] - Oracle VM VirtualBox
File Actions Edit View Help
cd ~/Desktop
mkdir -p ~/malware_extracted
for f in *.zip; do unzip -o "$f" -d ~/malware_extracted; done
unzip: cannot find or open *.zip, *.zip.zip or *.zip.ZIP.
No zipfiles found.
grep -Rai -E 'flag\{[A-Za-z0-9_]+\}' ~/malware_extracted > ~/flag_hits.tx
t || true
cat ~/flag_hits.txt 2>/dev/null || echo "no flags found"
zip -r ~/submission_project.zip ~/malware_extracted ~/flag_hits.txt
zip warning: name not matched: /home/labuser/malware_extracted
adding: home/labuser/flag_hits.txt (stored 0%)
ls -l ~/submission_project.zip
-rw-rw-r-- 1 labuser labuser 202 Oct 19 23:44 /home/labuser/submission_projec
t.zip
hostname -I | awk '{print $1}'

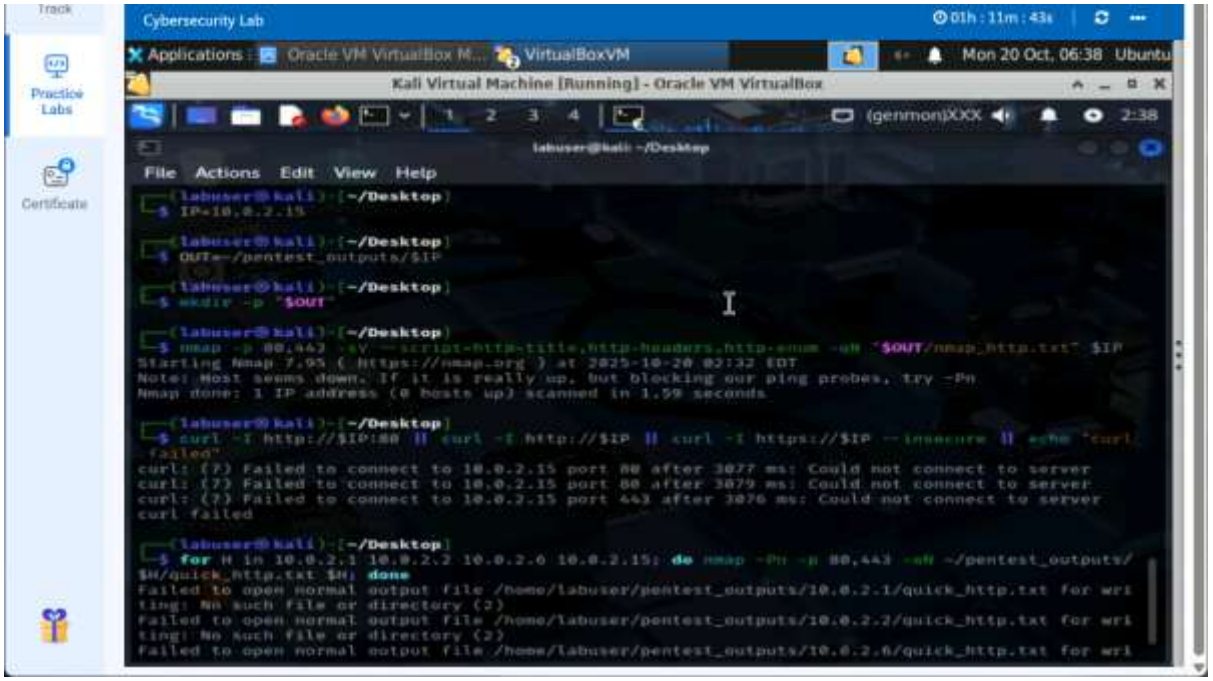

Cybersecurity Lab
04h : 00m : 59s
Practice Labs
Certificate
Applications
Oracle VM VirtualBox M...
VirtualBoxVM
Mon 20 Oct, 03:48
Ubuntu
Kali Virtual Machine [Running] - Oracle VM VirtualBox
File Actions Edit View Help
grep -Rai -E 'flag\{[A-Za-z0-9_]+\}' ~/malware_extracted > ~/flag_hits.tx
t || true
cat ~/flag_hits.txt 2>/dev/null || echo "no flags found"
zip -r ~/submission_project.zip ~/malware_extracted ~/flag_hits.txt
zip warning: name not matched: /home/labuser/malware_extracted
adding: home/labuser/flag_hits.txt (stored 0%)
ls -l ~/submission_project.zip
-rw-rw-r-- 1 labuser labuser 202 Oct 19 23:44 /home/labuser/submission_projec
t.zip
hostname -I | awk '{print $1}'
10.0.2.5
cd ~
python -m http.server 8000
Serving HTTP on 0.0.0.0 port 8000 (http://0.0.0.0:8000/) ...
http://[redacted]:8000/submission_project.zip

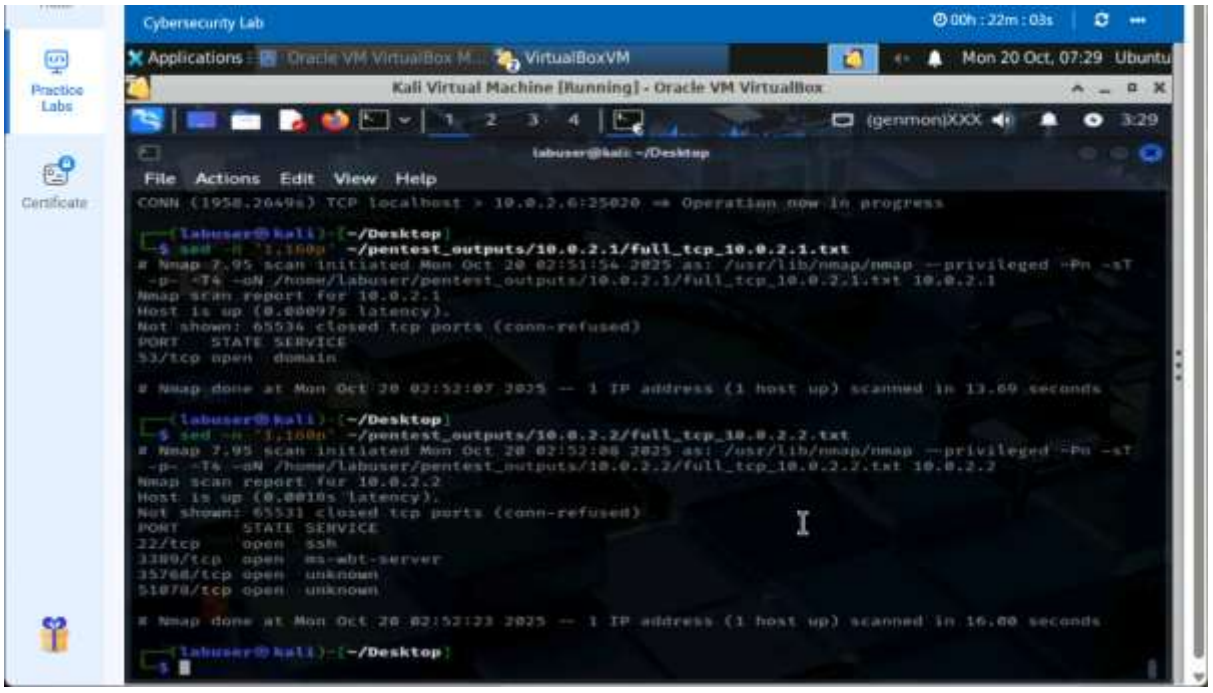

Kali Virtual Machine [Running] - Oracle VM VirtualBox
File Actions Edit View Help
zip warning: name not matched: malware_extracted
zip warning: name not matched: flag_hits.txt
/home/labuser/flag_hits.txt
/home/labuser/malware_extracted
adding: home/labuser/flag_hits.txt (stored 0%)

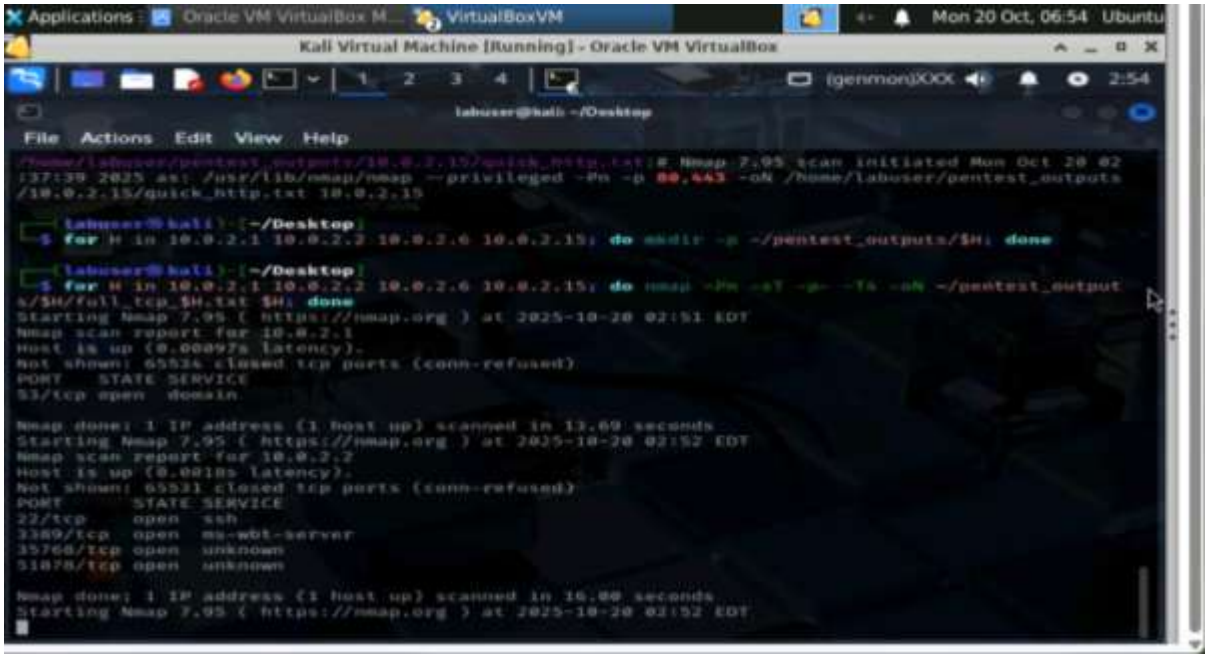

Kali Virtual Machine [Running] - Oracle VM VirtualBox
File Actions Edit View Help
/home/labuser/flag_hits.txt
/home/labuser/malware_extracted
zip warning: name not matched: /home/labuser/malware_extracted
adding: home/labuser/flag_hits.txt (stored 0%)
ls: cannot access './home/labuser/malware_extracted': No such file or directory
ls: cannot access './home/labuser/flag_hits.txt': No such file or directory
zsh: permission denied: /home/labuser/flag_hits.txt

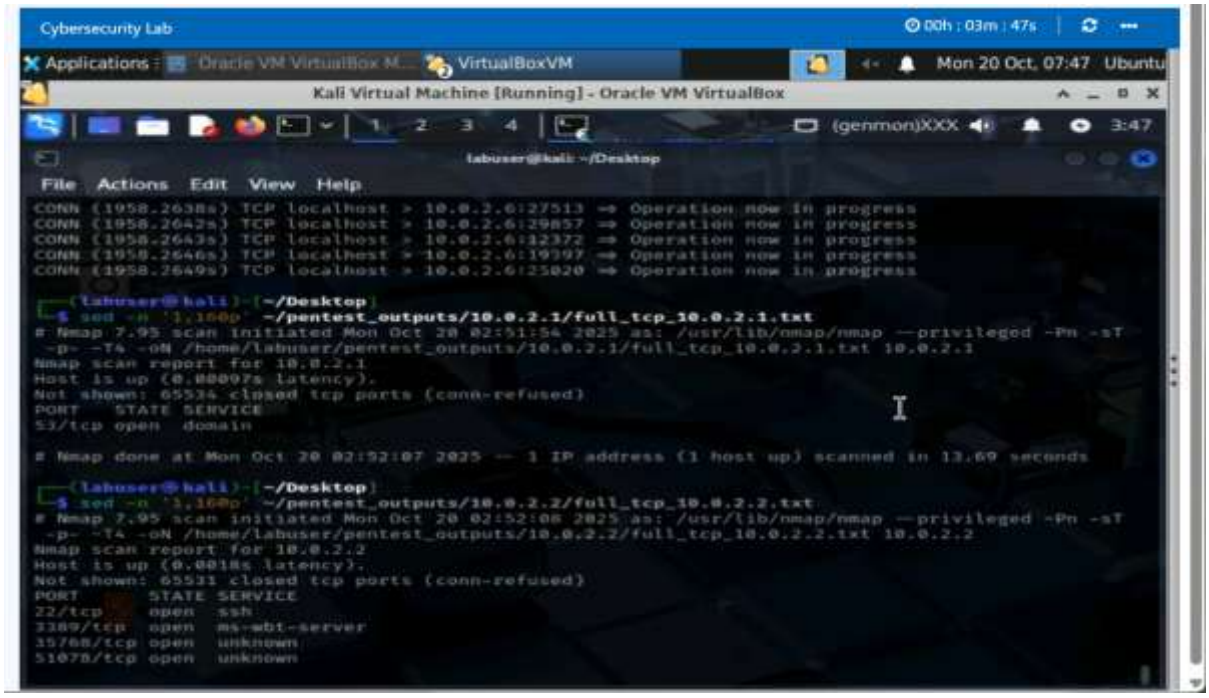

Kali Virtual Machine [Running] - Oracle VM VirtualBox
File Actions Edit View Help
zip warning: name not matched: ./malware_extracted
adding: flag_hits.txt (stored 0%)
-rw-rw-r-- 1 labuser labuser 356 Oct 20 00:27 /home/labuser/submission_project.zip
Archive: /home/labuser/submission_project.zip
Length Date Time Name
0 2025-10-19 23:43 home/labuser/flag_hits.txt
0 2025-10-19 23:43 flag_hits.txt
2 files

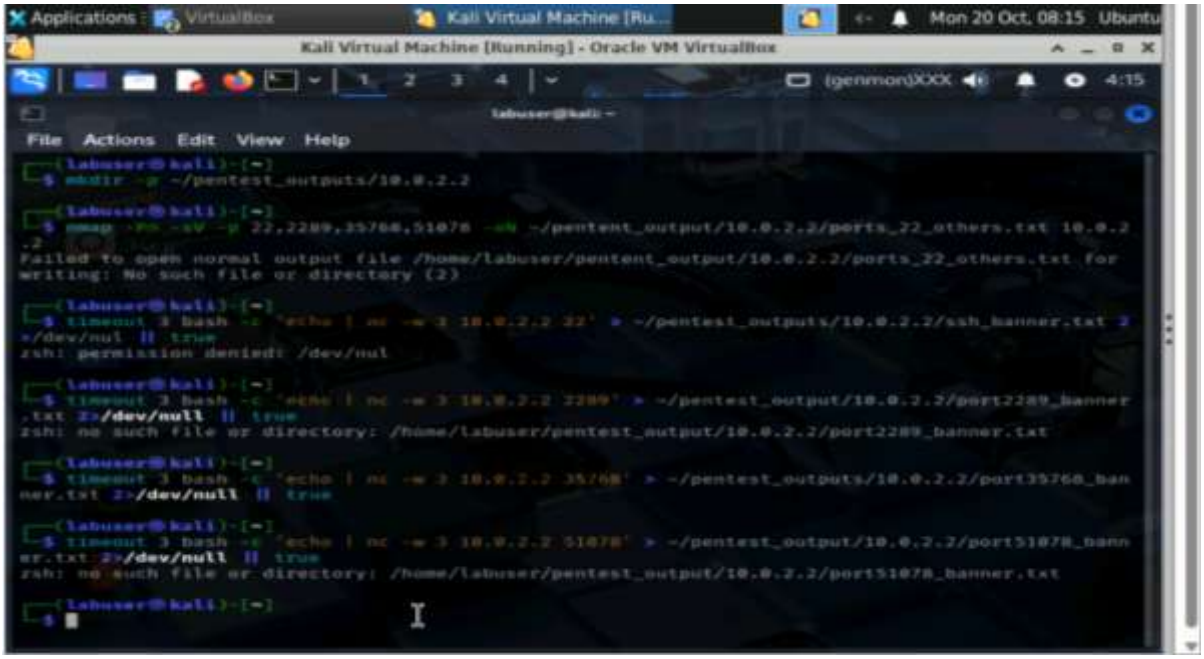

Applications
Oracle VM VirtualBox M...
VirtualBoxVM
Mon 20 Oct, 06:11 Ubuntu
Kali Virtual Machine [Running] - Oracle VM VirtualBox
File Actions Edit View Help
nmap output not found in pentest_outputs
IP=<TARGET_IP>
zsh: parse error near `\n'
OUT=~/pentest_outputs/$IP
mkdir -p "$OUT"
ip -4 addr show scope global | grep -Eo 'inet [0-9\.]+/[0-9]+' || true
inet 10.0.2.5/24
sudo nmap -sn 10.0.2.5/24 -oG - | grep Up
Command 'sudo' not found, did you mean:
command 'sudo' from deb sudo
command 'sudo' from deb sudo-ldap
Try: sudo apt install <deb name>
IP=10.0.2.5
IP=10.0.2.15

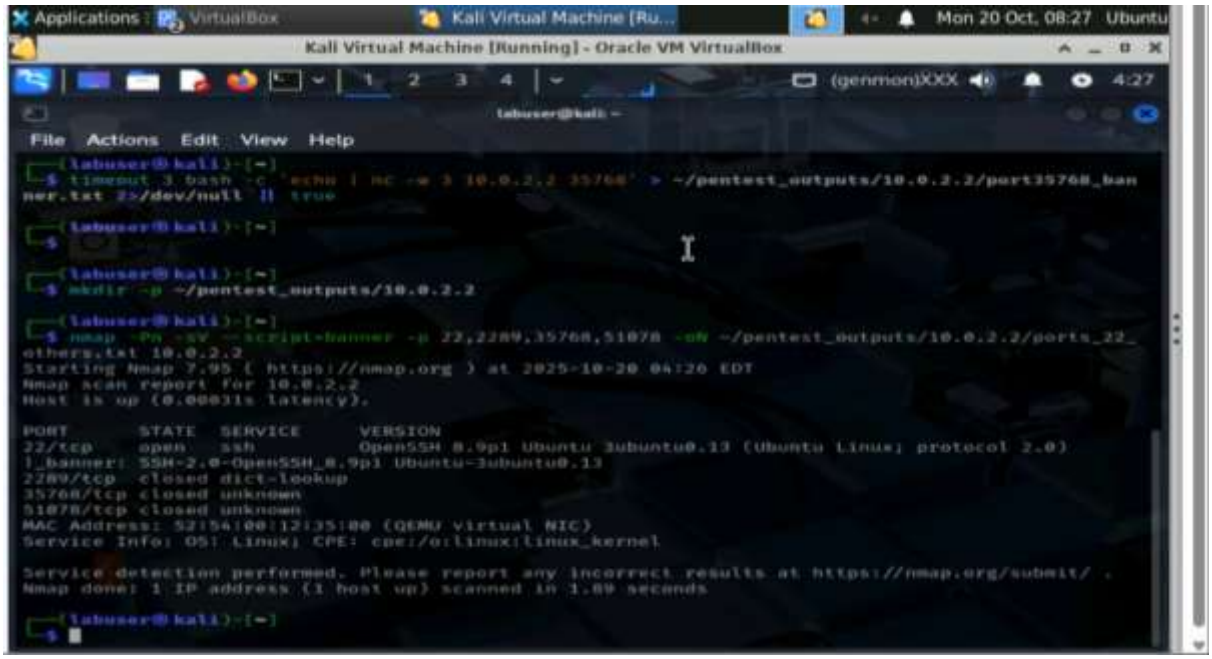

Cybersecurity Lab
01h : 11m : 43s
Applications
Oracle VM VirtualBox M...
VirtualBoxVM
Mon 20 Oct, 06:38
Ubuntu
Kali Virtual Machine [Running] - Oracle VM VirtualBox
(genmon)XXX
2:38
labuser@kali: ~/Desktop
File Actions Edit View Help
Practice Labs
Certificate
$ IP=10.0.2.15
$ OUT=~/pentest_outputs/$IP
$ mkdir -p "$OUT"
$ nmap -p 80,443 -sV --script=http-title,http-headers,http-enum -oN "$OUT/nmap_http.txt" $IP
Starting Nmap 7.95 (https://nmap.org) at 2025-10-20 02:32 EDT
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 1.59 seconds
$ curl -I http://$IP:80 || curl -I http://$IP || curl -I https://$IP --insecure || echo "curl failed"
curl: (7) Failed to connect to 10.0.2.15 port 80 after 3077 ms: Could not connect to server
curl: (7) Failed to connect to 10.0.2.15 port 80 after 3079 ms: Could not connect to server
curl: (7) Failed to connect to 10.0.2.15 port 443 after 3076 ms: Could not connect to server
curl failed
$ for H in 10.0.2.1 10.0.2.2 10.0.2.6 10.0.2.15; do nmap -Pn -p 80,443 -oN ~/pentest_outputs/$H/quick_http.txt $H; done
Failed to open normal output file /home/labuser/pentest_outputs/10.0.2.1/quick_http.txt for writing: No such file or directory (2)
Failed to open normal output file /home/labuser/pentest_outputs/10.0.2.2/quick_http.txt for writing: No such file or directory (2)
Failed to open normal output file /home/labuser/pentest_outputs/10.0.2.6/quick_http.txt for wri

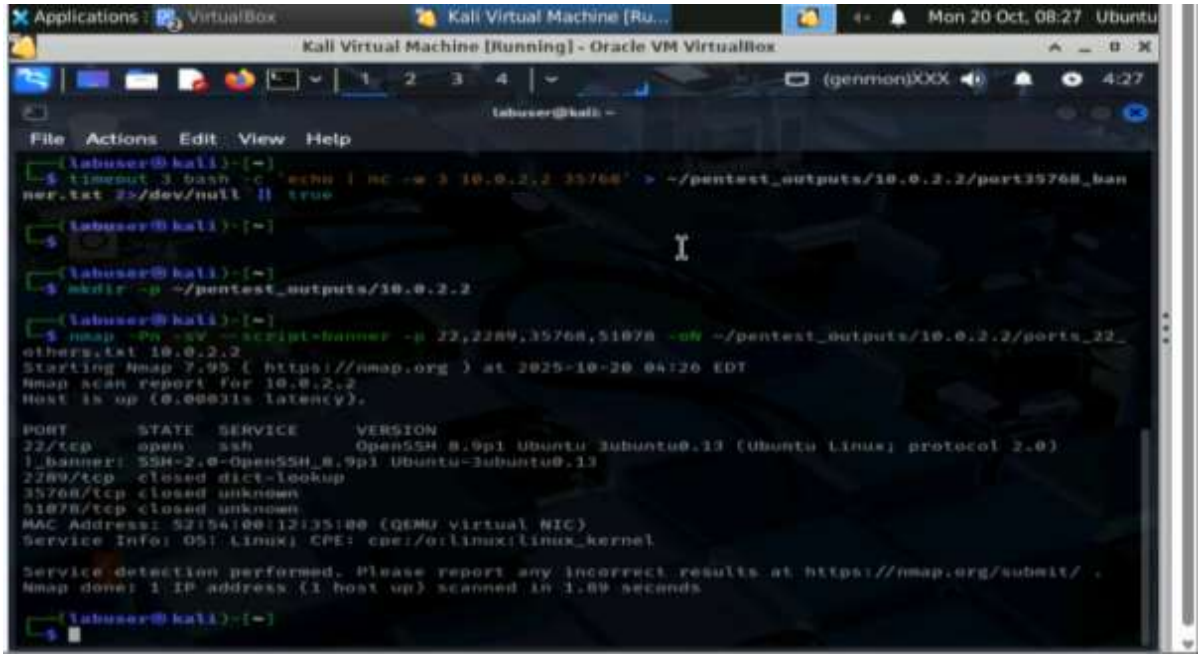

Cybersecurity Lab
00h : 22m : 03s
Applications
Oracle VM VirtualBox M...
VirtualBoxVM
Mon 20 Oct, 07:29
Ubuntu
Kali Virtual Machine [Running] - Oracle VM VirtualBox
(genmon)XXX
3:29
labuser@kali: ~/Desktop
File Actions Edit View Help
Practice Labs
Certificate
CONN (1958.2649s) TCP localhost > 10.0.2.6:25020 => Operation now in progress
$ sed -n '1,160p' ~/pentest_outputs/10.0.2.1/full_tcp_10.0.2.1.txt
# Nmap 7.95 scan initiated Mon Oct 20 02:51:54 2025 as: /usr/lib/nmap/nmap --privileged -Pn -sT -p- -T4 -oN /home/labuser/pentest_outputs/10.0.2.1/full_tcp_10.0.2.1.txt 10.0.2.1
Nmap scan report for 10.0.2.1
Host is up (0.00097s latency).
Not shown: 65534 closed tcp ports (conn-refused)
PORT STATE SERVICE
53/tcp open domain
# Nmap done at Mon Oct 20 02:52:07 2025 -- 1 IP address (1 host up) scanned in 13.69 seconds
$ sed -n '1,160p' ~/pentest_outputs/10.0.2.2/full_tcp_10.0.2.2.txt
# Nmap 7.95 scan initiated Mon Oct 20 02:52:08 2025 as: /usr/lib/nmap/nmap --privileged -Pn -sT -p- -T4 -oN /home/labuser/pentest_outputs/10.0.2.2/full_tcp_10.0.2.2.txt 10.0.2.2
Nmap scan report for 10.0.2.2
Host is up (0.0010s latency).
Not shown: 65531 closed tcp ports (conn-refused)
PORT STATE SERVICE
22/tcp open ssh
3389/tcp open ms-wbt-server
35708/tcp open unknown
51078/tcp open unknown
Nmap done at Mon Oct 20 02:52:23 2025 -- 1 IP address (1 host up) scanned in 16.00 seconds

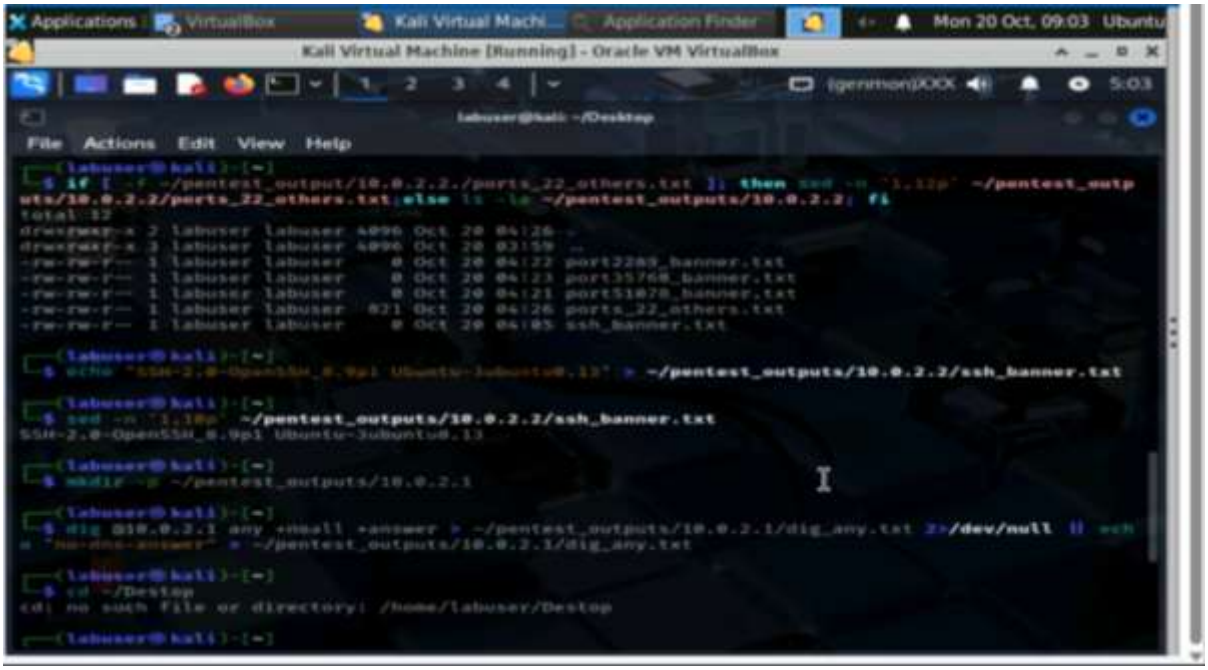

Applications
Oracle VM VirtualBox M...
VirtualBoxVM
Mon 20 Oct, 06:54
Ubuntu
Kali Virtual Machine [Running] - Oracle VM VirtualBox
(genmon)XXX
2:54
labuser@kali: ~/Desktop
File Actions Edit View Help
/home/labuser/pentest_outputs/10.0.2.15/quick_http.txt:# Nmap 7.95 scan initiated Mon Oct 20 02
:37:39 2025 as: /usr/lib/nmap/nmap --privileged -Pn -p 80,443 -oN /home/labuser/pentest_outputs
/10.0.2.15/quick_http.txt 10.0.2.15
┌──(labuser㉿kali)-[~/Desktop]
└─$ for H in 10.0.2.1 10.0.2.2 10.0.2.6 10.0.2.15; do mkdir -p ~/pentest_outputs/$H; done
┌──(labuser㉿kali)-[~/Desktop]
└─$ for H in 10.0.2.1 10.0.2.2 10.0.2.6 10.0.2.15; do nmap -Pn -sT -p- -T4 -oN ~/pentest_output
s/$H/full_tcp_$H.txt $H; done
Starting Nmap 7.95 (https://nmap.org) at 2025-10-20 02:51 EDT
Nmap scan report for 10.0.2.1
Host is up (0.00097s latency).
Not shown: 65534 closed tcp ports (conn-refused)
PORT STATE SERVICE
53/tcp open domain
Nmap done: 1 IP address (1 host up) scanned in 13.69 seconds
Starting Nmap 7.95 (https://nmap.org) at 2025-10-20 02:52 EDT
Nmap scan report for 10.0.2.2
Host is up (0.0018s latency).
Not shown: 65531 closed tcp ports (conn-refused)
PORT STATE SERVICE
22/tcp open ssh
3389/tcp open ms-wbt-server
35768/tcp open unknown
51078/tcp open unknown
Nmap done: 1 IP address (1 host up) scanned in 16.00 seconds
Starting Nmap 7.95 (https://nmap.org) at 2025-10-20 02:52 EDT

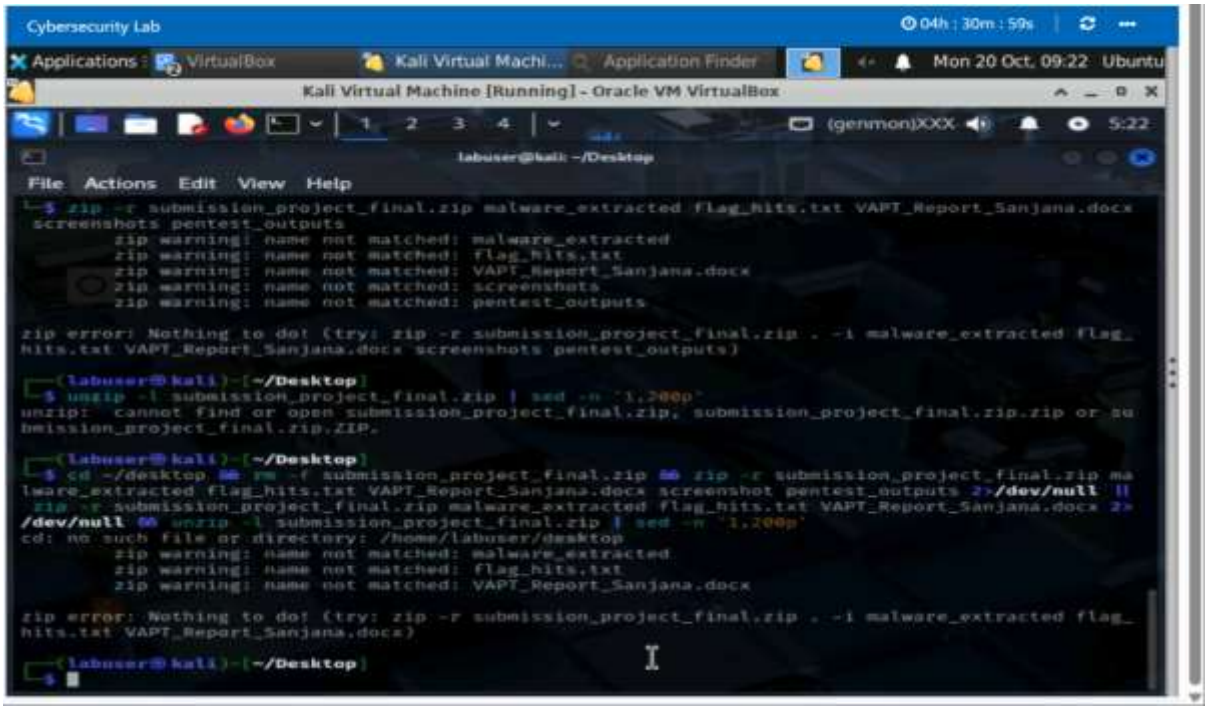

Cybersecurity Lab
00h : 03m : 47s
Applications
Oracle VM VirtualBox M...
VirtualBoxVM
Mon 20 Oct, 07:47
Ubuntu
Kali Virtual Machine [Running] - Oracle VM VirtualBox
(genmon)XXX
3:47
labuser@kali: ~/Desktop
File Actions Edit View Help
CONN (1958.2638s) TCP localhost > 10.0.2.6:27513 => Operation now in progress
CONN (1958.2642s) TCP localhost > 10.0.2.6:29857 => Operation now in progress
CONN (1958.2643s) TCP localhost > 10.0.2.6:12372 => Operation now in progress
CONN (1958.2646s) TCP localhost > 10.0.2.6:19397 => Operation now in progress
CONN (1958.2649s) TCP localhost > 10.0.2.6:25020 => Operation now in progress
┌──(labuser㉿kali)-[~/Desktop]
└─$ sed -n '1,160p' ~/pentest_outputs/10.0.2.1/full_tcp_10.0.2.1.txt
Nmap 7.95 scan initiated Mon Oct 20 02:51:54 2025 as: /usr/lib/nmap/nmap --privileged -Pn -sT
-p- -T4 -oN /home/labuser/pentest_outputs/10.0.2.1/full_tcp_10.0.2.1.txt 10.0.2.1
Nmap scan report for 10.0.2.1
Host is up (0.00097s latency).
Not shown: 65534 closed tcp ports (conn-refused)
PORT STATE SERVICE
53/tcp open domain
Nmap done at Mon Oct 20 02:52:07 2025 -- 1 IP address (1 host up) scanned in 13.69 seconds
┌──(labuser㉿kali)-[~/Desktop]
└─$ sed -n '1,160p' ~/pentest_outputs/10.0.2.2/full_tcp_10.0.2.2.txt
Nmap 7.95 scan initiated Mon Oct 20 02:52:08 2025 as: /usr/lib/nmap/nmap --privileged -Pn -sT
-p- -T4 -oN /home/labuser/pentest_outputs/10.0.2.2/full_tcp_10.0.2.2.txt 10.0.2.2
Nmap scan report for 10.0.2.2
Host is up (0.0018s latency).
Not shown: 65531 closed tcp ports (conn-refused)
PORT STATE SERVICE
22/tcp open ssh
3389/tcp open ms-wbt-server
35768/tcp open unknown
51078/tcp open unknown

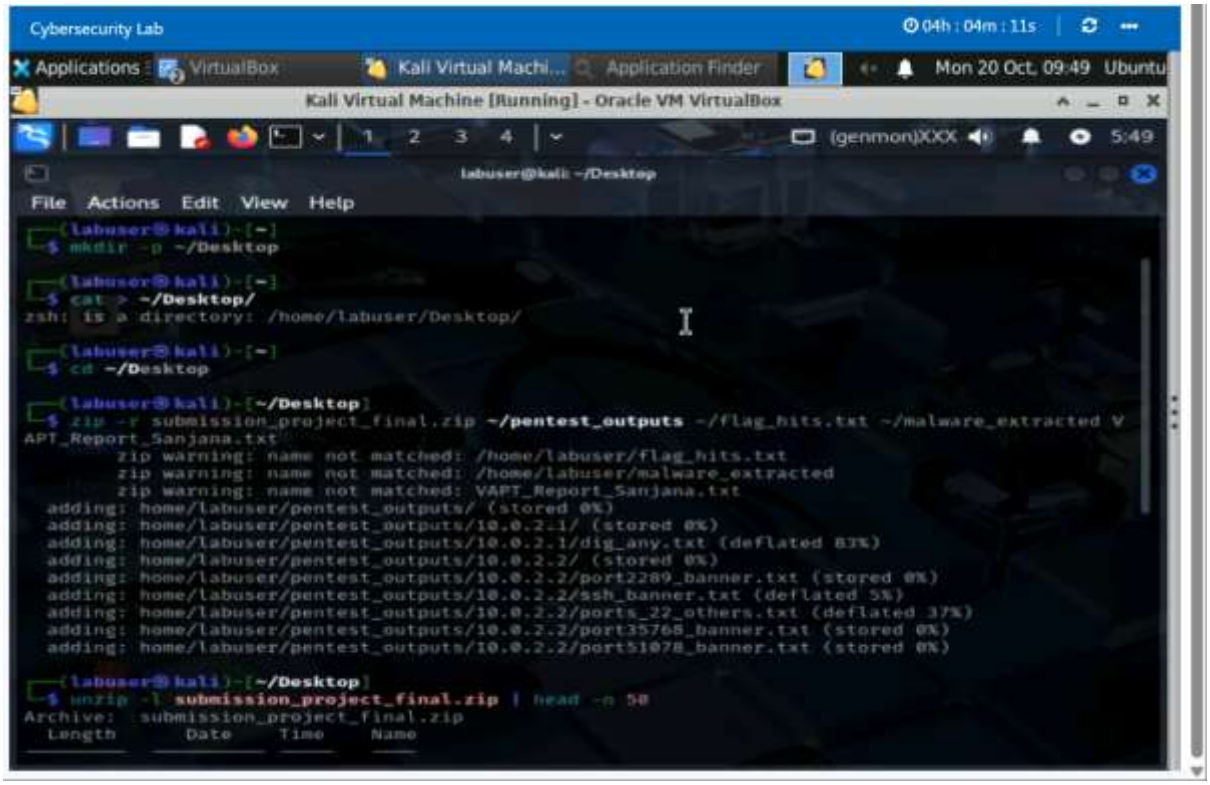

Applications
VirtualBox
Kali Virtual Machine [Ru...
Mon 20 Oct, 08:15
Ubuntu
Kali Virtual Machine [Running] - Oracle VM VirtualBox
4:15
File Actions Edit View Help
mkdir -p ~/pentest_outputs/10.0.2.2
nmap -Pn -sV -p 22,2289,35768,51078 -oN ~/pentent_output/10.0.2.2/ports_22_others.txt 10.0.2.2
Failed to open normal output file /home/labuser/pentent_output/10.0.2.2/ports_22_others.txt for writing: No such file or directory (2)
timeout 3 bash -c 'echo | nc -w 3 10.0.2.2 22' > ~/pentest_outputs/10.0.2.2/ssh_banner.txt 2>/dev/nul || true
zsh: permission denied: /dev/nul
timeout 3 bash -c 'echo | nc -w 3 10.0.2.2 2289' > ~/pentest_output/10.0.2.2/port2289_banner.txt 2>/dev/null || true
zsh: no such file or directory: /home/labuser/pentest_output/10.0.2.2/port2289_banner.txt
timeout 3 bash -c 'echo | nc -w 3 10.0.2.2 35768' > ~/pentest_outputs/10.0.2.2/port35768_banner.txt 2>/dev/null || true
timeout 3 bash -c 'echo | nc -w 3 10.0.2.2 51078' > ~/pentest_output/10.0.2.2/port51078_banner.txt 2>/dev/null || true
zsh: no such file or directory: /home/labuser/pentest_output/10.0.2.2/port51078_banner.txt

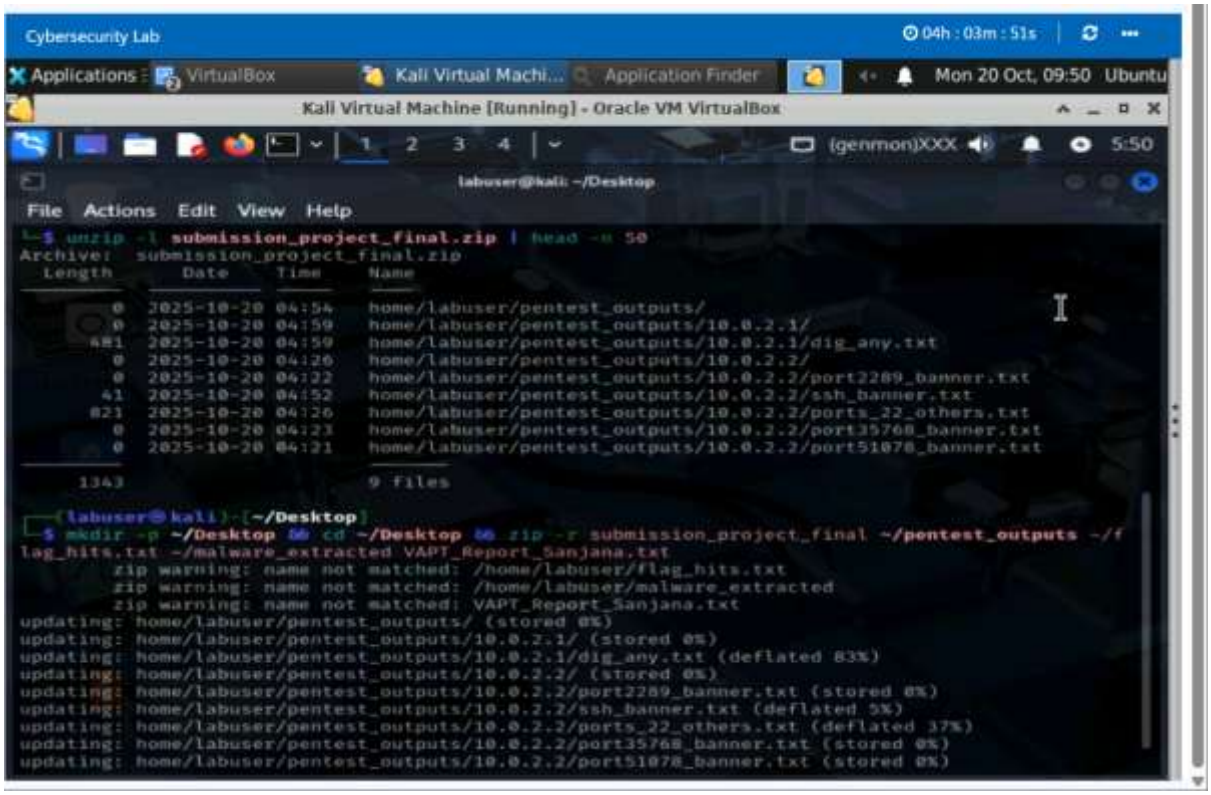

Applications
VirtualBox
Kali Virtual Machine [Ru...
Mon 20 Oct, 08:27
Ubuntu
Kali Virtual Machine [Running] - Oracle VM VirtualBox
4:27
File Actions Edit View Help
timeout 3 bash -c 'echo | nc -w 3 10.0.2.2 35768' > ~/pentest_outputs/10.0.2.2/port35768_banner.txt 2>/dev/null || true
mkdir -p ~/pentest_outputs/10.0.2.2
nmap -Pn -sV --script=banner -p 22,2289,35768,51078 -oN ~/pentest_outputs/10.0.2.2/ports_22_others.txt 10.0.2.2
Starting Nmap 7.95 (https://nmap.org) at 2025-10-20 04:26 EDT
Nmap scan report for 10.0.2.2
Host is up (0.00031s latency).
PORT STATE SERVICE VERSION
22/tcp open ssh OpenSSH 8.9p1 Ubuntu 3ubuntu0.13 (Ubuntu Linux; protocol 2.0)
|_banner: SSH-2.0-OpenSSH_8.9p1 Ubuntu-3ubuntu0.13
2289/tcp closed dict-lookup
35768/tcp closed unknown
51078/tcp closed unknown
MAC Address: 52:54:00:12:35:00 (QEMU virtual NIC)
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 1.89 seconds

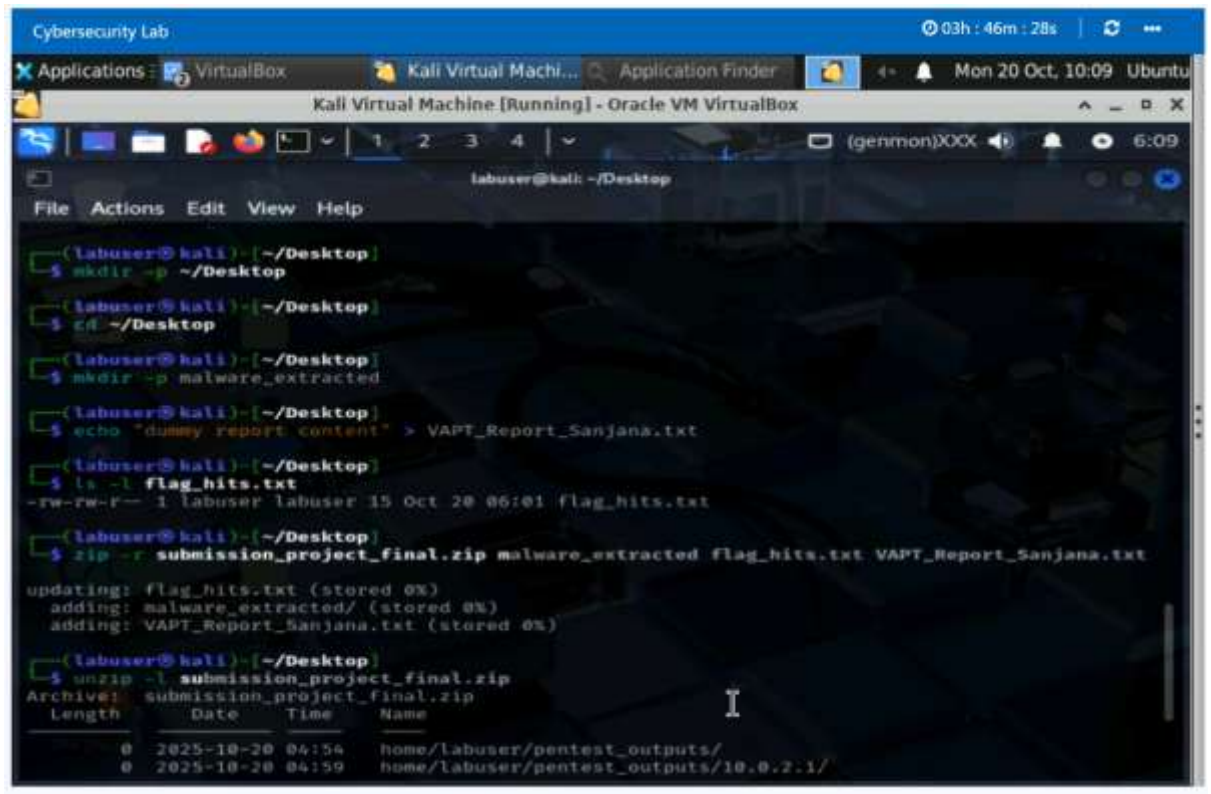

Applications
VirtualBox
Kali Virtual Machine [Ru...
Mon 20 Oct, 08:27
Ubuntu
Kali Virtual Machine [Running] - Oracle VM VirtualBox
(genmon)XXX
4:27
labuser@kali: ~
File Actions Edit View Help
┌──(labuser㉿kali)-[~]
└─$ timeout 3 bash -c 'echo | nc -w 3 10.0.2.2 35768' > ~/pentest_outputs/10.0.2.2/port35768_banner.txt 2>/dev/null || true
┌──(labuser㉿kali)-[~]
└─$
┌──(labuser㉿kali)-[~]
└─$ mkdir -p ~/pentest_outputs/10.0.2.2
┌──(labuser㉿kali)-[~]
└─$ nmap -Pn -sV --script=banner -p 22,2289,35768,51078 -oN ~/pentest_outputs/10.0.2.2/ports_22_others.txt 10.0.2.2
Starting Nmap 7.95 (https://nmap.org) at 2025-10-20 04:26 EDT
Nmap scan report for 10.0.2.2
Host is up (0.00031s latency).
PORT STATE SERVICE VERSION
22/tcp open ssh OpenSSH 8.9p1 Ubuntu 3ubuntu0.13 (Ubuntu Linux; protocol 2.0)
|_banner: SSH-2.0-OpenSSH_8.9p1 Ubuntu-3ubuntu0.13
2289/tcp closed dict-lookup
35768/tcp closed unknown
51078/tcp closed unknown
MAC Address: 52:54:00:12:35:00 (QEMU virtual NIC)
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 1.09 seconds
┌──(labuser㉿kali)-[~]
└─$

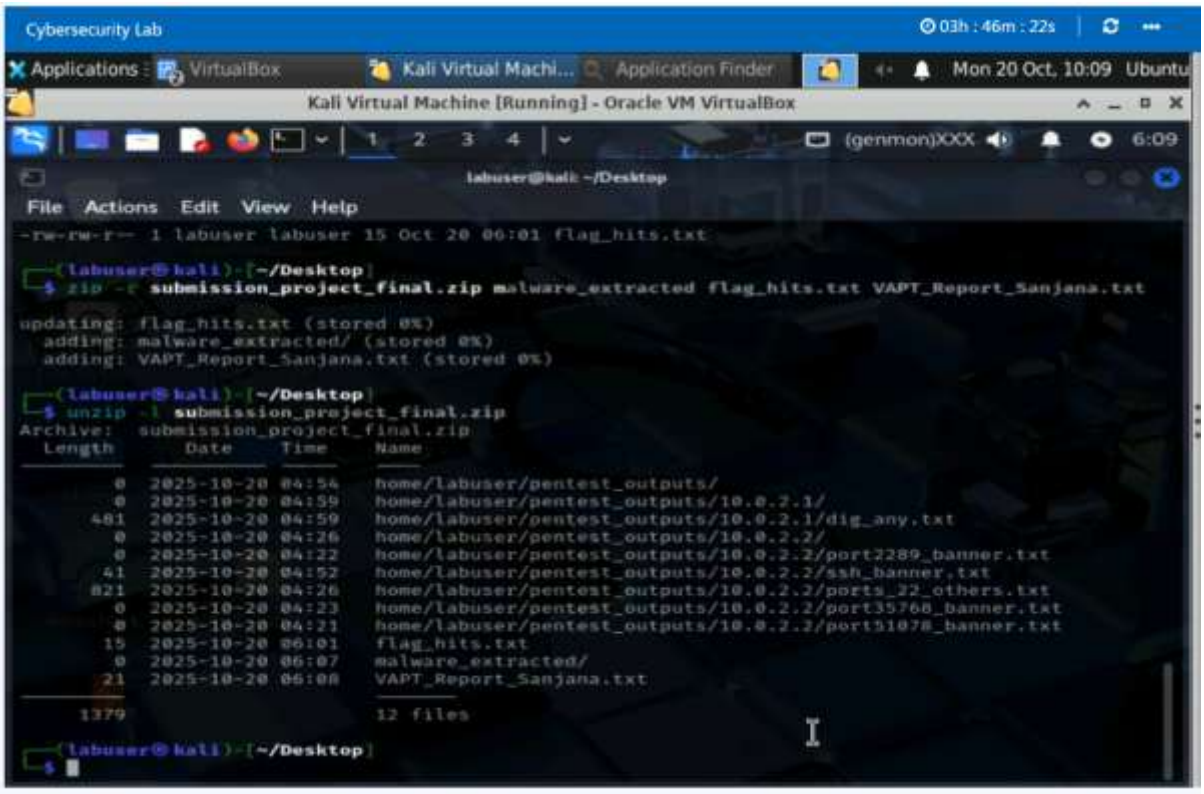

Applications
VirtualBox
Kali Virtual Machi...
Application Finder
Mon 20 Oct, 09:03
Ubuntu
Kali Virtual Machine [Running] - Oracle VM VirtualBox
(genmon)XXX
5:03
labuser@kali: ~/Desktop
File Actions Edit View Help
┌──(labuser㉿kali)-[~]
└─$ if [-f ~/pentest_output/10.0.2.2./ports_22_others.txt]; then sed -n '1,12p' ~/pentest_outputs/10.0.2.2/ports_22_others.txt;else ls -la ~/pentest_outputs/10.0.2.2; fi
total 12
drwxrwxr-x 2 labuser labuser 4096 Oct 20 04:26 .
drwxrwxr-x 3 labuser labuser 4096 Oct 20 03:59 ..
-rw-rw-r-- 1 labuser labuser 0 Oct 20 04:22 port2289_banner.txt
-rw-rw-r-- 1 labuser labuser 0 Oct 20 04:23 port35768_banner.txt
-rw-rw-r-- 1 labuser labuser 0 Oct 20 04:21 port51078_banner.txt
-rw-rw-r-- 1 labuser labuser 921 Oct 20 04:26 ports_22_others.txt
-rw-rw-r-- 1 labuser labuser 0 Oct 20 04:05 ssh_banner.txt
┌──(labuser㉿kali)-[~]
└─$ echo "SSH-2.0-OpenSSH_8.9p1 Ubuntu-3ubuntu0.13" > ~/pentest_outputs/10.0.2.2/ssh_banner.txt
┌──(labuser㉿kali)-[~]
└─$ sed -n '1,10p' ~/pentest_outputs/10.0.2.2/ssh_banner.txt
SSH-2.0-OpenSSH_8.9p1 Ubuntu-3ubuntu0.13
┌──(labuser㉿kali)-[~]
└─$ mkdir -p ~/pentest_outputs/10.0.2.1
┌──(labuser㉿kali)-[~]
└─$ dig @10.0.2.1 any +noall +answer > ~/pentest_outputs/10.0.2.1/dig_any.txt 2>/dev/null || echo "no-dns-answer" > ~/pentest_outputs/10.0.2.1/dig_any.txt
┌──(labuser㉿kali)-[~]
└─$ cd ~/Destop
cd: no such file or directory: /home/labuser/Destop
┌──(labuser㉿kali)-[~]


Cybersecurity Lab
04h : 30m : 59s
Applications
VirtualBox
Kali Virtual Machi...
Application Finder
Mon 20 Oct, 09:22
Ubuntu
Kali Virtual Machine [Running] - Oracle VM VirtualBox
(genmon)XXX
5:22
labuser@kali: ~/Desktop
File Actions Edit View Help
└─$ zip -r submission_project_final.zip malware_extracted flag_hits.txt VAPT_Report_Sanjana.docx screenshots pentest_outputs
zip warning: name not matched: malware_extracted
zip warning: name not matched: flag_hits.txt
zip warning: name not matched: VAPT_Report_Sanjana.docx
zip warning: name not matched: screenshots
zip warning: name not matched: pentest_outputs
zip error: Nothing to do! (try: zip -r submission_project_final.zip . -i malware_extracted flag_hits.txt VAPT_Report_Sanjana.docx screenshots pentest_outputs)
┌──(labuser㉿kali)-[~/Desktop]
└─$ unzip -l submission_project_final.zip | sed -n '1,200p'
unzip: cannot find or open submission_project_final.zip, submission_project_final.zip.zip or submission_project_final.zip.ZIP.
┌──(labuser㉿kali)-[~/Desktop]
└─$ cd ~/desktop && rm -f submission_project_final.zip && zip -r submission_project_final.zip malware_extracted flag_hits.txt VAPT_Report_Sanjana.docx screenshot pentest_outputs 2>/dev/null || zip -r submission_project_final.zip malware_extracted flag_hits.txt VAPT_Report_Sanjana.docx 2>/dev/null && unzip -l submission_project_final.zip | sed -n '1,200p'
cd: no such file or directory: /home/labuser/desktop
zip warning: name not matched: malware_extracted
zip warning: name not matched: flag_hits.txt
zip warning: name not matched: VAPT_Report_Sanjana.docx
zip error: Nothing to do! (try: zip -r submission_project_final.zip . -i malware_extracted flag_hits.txt VAPT_Report_Sanjana.docx)
┌──(labuser㉿kali)-[~/Desktop]
└─$


Cybersecurity Lab
04h : 04m : 11s
Applications
VirtualBox
Kali Virtual Machi...
Application Finder
Mon 20 Oct, 09:49
Ubuntu
Kali Virtual Machine [Running] - Oracle VM VirtualBox
(genmon)XXX
5:49
labuser@kali: ~/Desktop
File Actions Edit View Help
┌──(labuser㉿kali)-[~]
└─$ mkdir -p ~/Desktop
┌──(labuser㉿kali)-[~]
└─$ cat > ~/Desktop/
zsh: is a directory: /home/labuser/Desktop/
┌──(labuser㉿kali)-[~]
└─$ cd ~/Desktop
┌──(labuser㉿kali)-[~/Desktop]
└─$ zip -r submission_project_final.zip ~/pentest_outputs ~/flag_hits.txt ~/malware_extracted VAPT_Report_Sanjana.txt
zip warning: name not matched: /home/labuser/flag_hits.txt
zip warning: name not matched: /home/labuser/malware_extracted
zip warning: name not matched: VAPT_Report_Sanjana.txt
adding: home/labuser/pentest_outputs/ (stored 0%)
adding: home/labuser/pentest_outputs/10.0.2.1/ (stored 0%)
adding: home/labuser/pentest_outputs/10.0.2.1/dig_any.txt (deflated 83%)
adding: home/labuser/pentest_outputs/10.0.2.2/ (stored 0%)
adding: home/labuser/pentest_outputs/10.0.2.2/port2289_banner.txt (stored 0%)
adding: home/labuser/pentest_outputs/10.0.2.2/ssh_banner.txt (deflated 5%)
adding: home/labuser/pentest_outputs/10.0.2.2/ports_22_others.txt (deflated 37%)
adding: home/labuser/pentest_outputs/10.0.2.2/port35768_banner.txt (stored 0%)
adding: home/labuser/pentest_outputs/10.0.2.2/port51078_banner.txt (stored 0%)
┌──(labuser㉿kali)-[~/Desktop]
└─$ unzip -l submission_project_final.zip | head -n 50
Archive: submission_project_final.zip
Length Date Time Name


Cybersecurity Lab
04h : 03m : 51s
Applications
VirtualBox
Kali Virtual Machi...
Application Finder
Mon 20 Oct, 09:50
Ubuntu
Kali Virtual Machine [Running] - Oracle VM VirtualBox
(genmon)XXX
5:50
labuser@kali: ~/Desktop
File Actions Edit View Help
└─$ unzip -l submission_project_final.zip | head -n 50
Archive: submission_project_final.zip
Length Date Time Name
0 2025-10-20 04:54 home/labuser/pentest_outputs/
0 2025-10-20 04:59 home/labuser/pentest_outputs/10.0.2.1/
481 2025-10-20 04:59 home/labuser/pentest_outputs/10.0.2.1/dig_any.txt
0 2025-10-20 04:26 home/labuser/pentest_outputs/10.0.2.2/
0 2025-10-20 04:22 home/labuser/pentest_outputs/10.0.2.2/port2289_banner.txt
41 2025-10-20 04:52 home/labuser/pentest_outputs/10.0.2.2/ssh_banner.txt
821 2025-10-20 04:26 home/labuser/pentest_outputs/10.0.2.2/ports_22_others.txt
0 2025-10-20 04:23 home/labuser/pentest_outputs/10.0.2.2/port35768_banner.txt
0 2025-10-20 04:21 home/labuser/pentest_outputs/10.0.2.2/port51078_banner.txt
1343 9 files
┌──(labuser㉿kali)-[~/Desktop]
└─$ mkdir -p ~/Desktop && cd ~/Desktop && zip -r submission_project_final ~/pentest_outputs ~/flag_hits.txt ~/malware_extracted VAPT_Report_Sanjana.txt
zip warning: name not matched: /home/labuser/flag_hits.txt
zip warning: name not matched: /home/labuser/malware_extracted
zip warning: name not matched: VAPT_Report_Sanjana.txt
updating: home/labuser/pentest_outputs/ (stored 0%)
updating: home/labuser/pentest_outputs/10.0.2.1/ (stored 0%)
updating: home/labuser/pentest_outputs/10.0.2.1/dig_any.txt (deflated 83%)
updating: home/labuser/pentest_outputs/10.0.2.2/ (stored 0%)
updating: home/labuser/pentest_outputs/10.0.2.2/port2289_banner.txt (stored 0%)
updating: home/labuser/pentest_outputs/10.0.2.2/ssh_banner.txt (deflated 5%)
updating: home/labuser/pentest_outputs/10.0.2.2/ports_22_others.txt (deflated 37%)
updating: home/labuser/pentest_outputs/10.0.2.2/port35768_banner.txt (stored 0%)
updating: home/labuser/pentest_outputs/10.0.2.2/port51078_banner.txt (stored 0%)

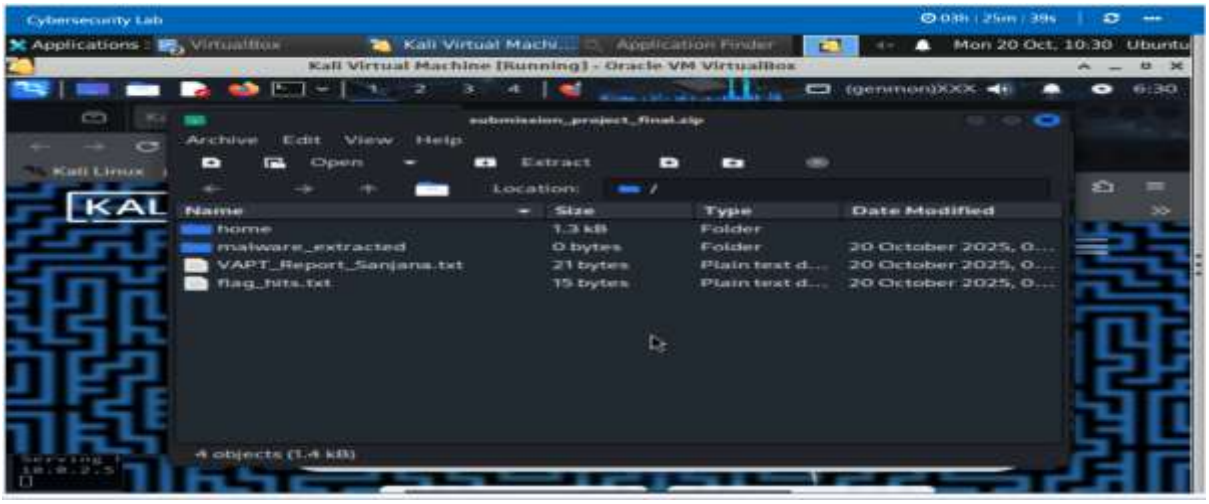

Cybersecurity Lab
03h : 46m : 28s
Applications
VirtualBox
Kali Virtual Machi...
Application Finder
Mon 20 Oct, 10:09
Ubuntu
Kali Virtual Machine [Running] - Oracle VM VirtualBox
(genmon)XXX
6:09
labuser@kali: ~/Desktop
File Actions Edit View Help
┌──(labuser㉿kali)-[~/Desktop]
└─$ mkdir -p ~/Desktop
┌──(labuser㉿kali)-[~/Desktop]
└─$ cd ~/Desktop
┌──(labuser㉿kali)-[~/Desktop]
└─$ mkdir -p malware_extracted
┌──(labuser㉿kali)-[~/Desktop]
└─$ echo "dummy report content" > VAPT_Report_Sanjana.txt
┌──(labuser㉿kali)-[~/Desktop]
└─$ ls -l flag_hits.txt
-rw-rw-r-- 1 labuser labuser 15 Oct 20 06:01 flag_hits.txt
┌──(labuser㉿kali)-[~/Desktop]
└─$ zip -r submission_project_final.zip malware_extracted flag_hits.txt VAPT_Report_Sanjana.txt
updating: flag_hits.txt (stored 0%)
adding: malware_extracted/ (stored 0%)
adding: VAPT_Report_Sanjana.txt (stored 0%)
┌──(labuser㉿kali)-[~/Desktop]
└─$ unzip -l submission_project_final.zip
Archive: submission_project_final.zip
Length Date Time Name
0 2025-10-20 04:54 home/labuser/pentest_outputs/
0 2025-10-20 04:59 home/labuser/pentest_outputs/10.0.2.1/


Cybersecurity Lab
03h : 46m : 22s
Applications
VirtualBox
Kali Virtual Machi...
Application Finder
Mon 20 Oct, 10:09
Ubuntu
Kali Virtual Machine [Running] - Oracle VM VirtualBox
(genmon)XXX
6:09
labuser@kali: ~/Desktop
File Actions Edit View Help
-rw-rw-r-- 1 labuser labuser 15 Oct 20 06:01 flag_hits.txt
(labuser㉿kali)-[~/Desktop]
$ zip -r submission_project_final.zip malware_extracted flag_hits.txt VAPT_Report_Sanjana.txt
updating: flag_hits.txt (stored 0%)
adding: malware_extracted/ (stored 0%)
adding: VAPT_Report_Sanjana.txt (stored 0%)
(labuser㉿kali)-[~/Desktop]
$ unzip -l submission_project_final.zip
Archive: submission_project_final.zip
Length Date Time Name
0 2025-10-20 04:54 home/labuser/pentest_outputs/
0 2025-10-20 04:59 home/labuser/pentest_outputs/10.0.2.1/
481 2025-10-20 04:59 home/labuser/pentest_outputs/10.0.2.1/dig_any.txt
0 2025-10-20 04:26 home/labuser/pentest_outputs/10.0.2.2/
0 2025-10-20 04:22 home/labuser/pentest_outputs/10.0.2.2/port2289_banner.txt
41 2025-10-20 04:52 home/labuser/pentest_outputs/10.0.2.2/ssh_banner.txt
821 2025-10-20 04:26 home/labuser/pentest_outputs/10.0.2.2/ports_22_others.txt
0 2025-10-20 04:23 home/labuser/pentest_outputs/10.0.2.2/port35768_banner.txt
0 2025-10-20 04:21 home/labuser/pentest_outputs/10.0.2.2/port51078_banner.txt
15 2025-10-20 06:01 flag_hits.txt
0 2025-10-20 06:07 malware_extracted/
21 2025-10-20 06:08 VAPT_Report_Sanjana.txt
1379 12 files
(labuser㉿kali)-[~/Desktop]
$

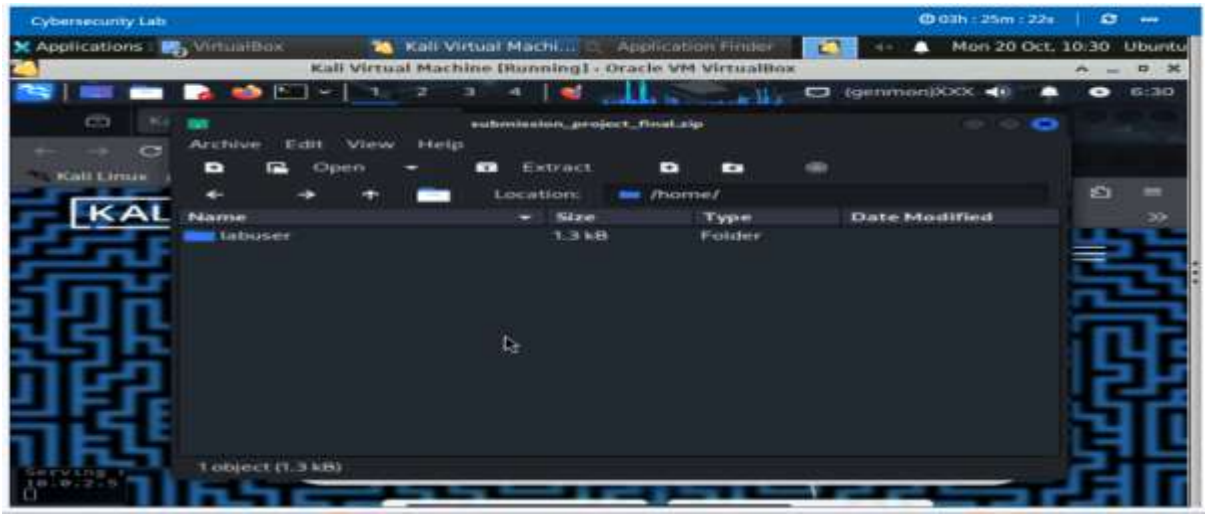
OUTPUTS:

File: http:/10.0.2.5:8001/submission_project_final.zip

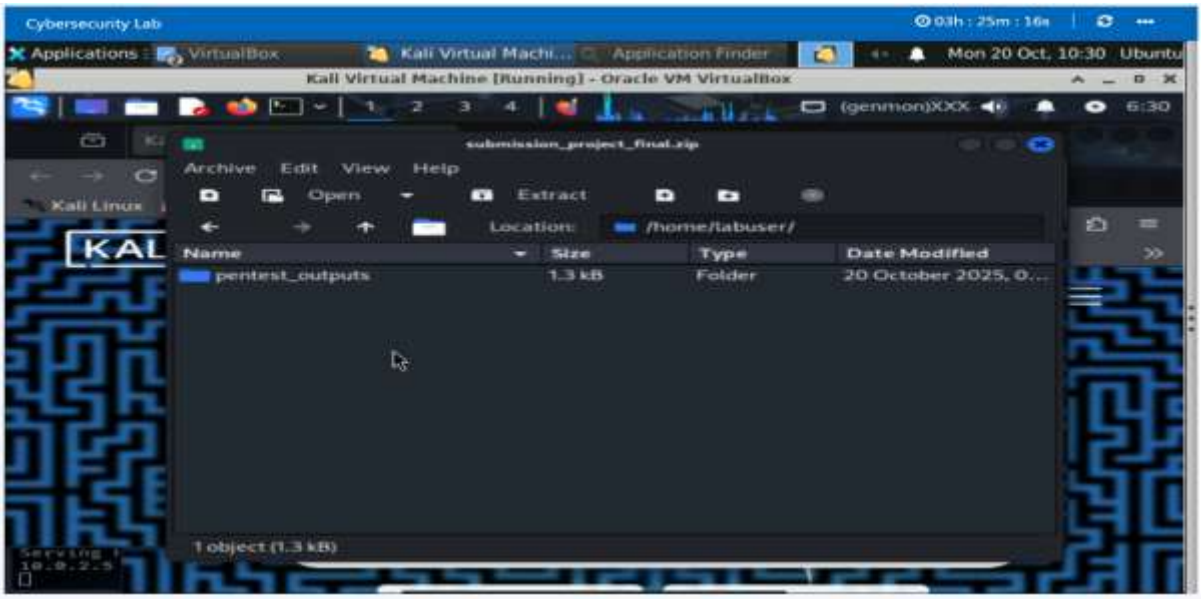
Inside the file:



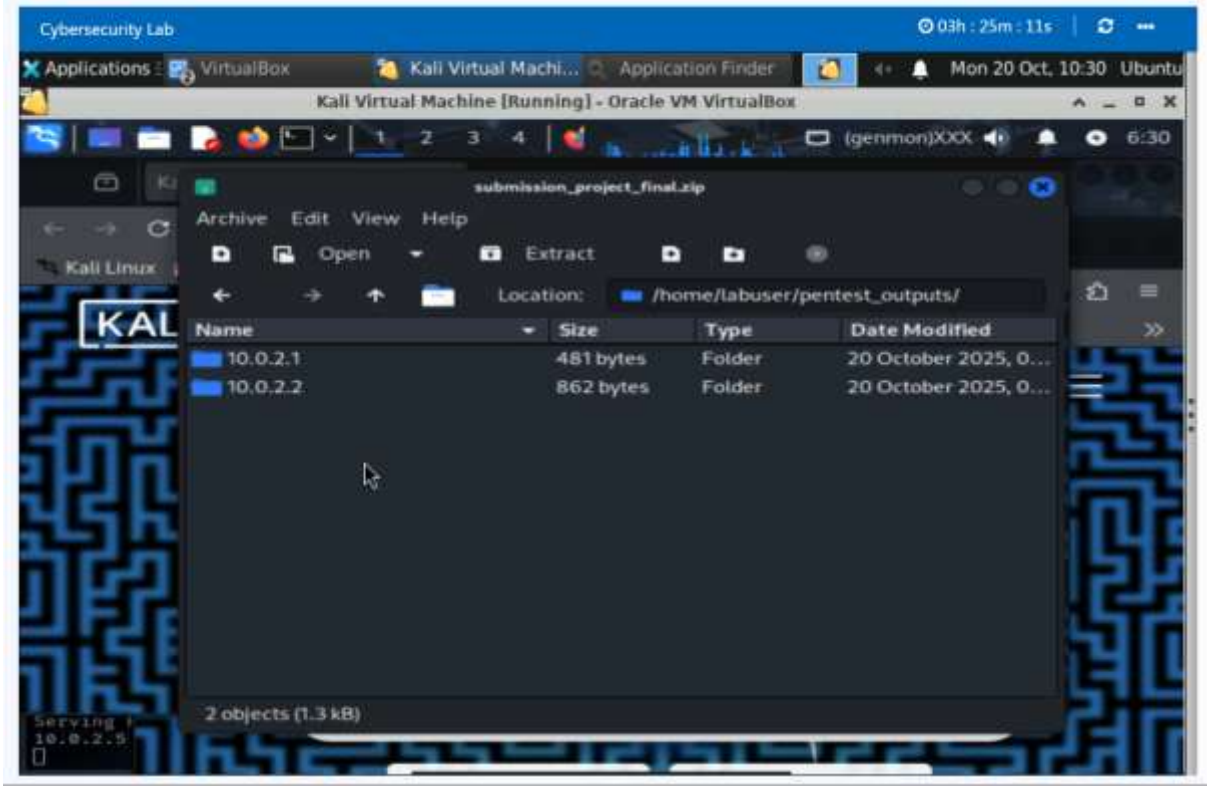
Location: /home/



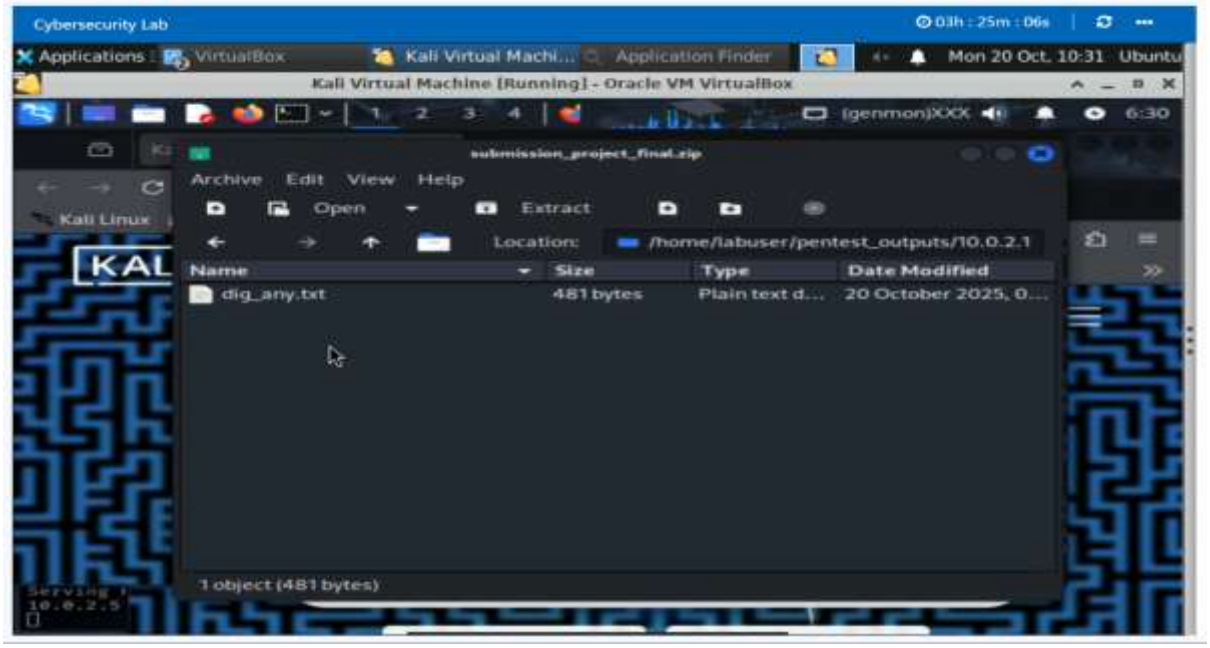
Location: /home/labuser/



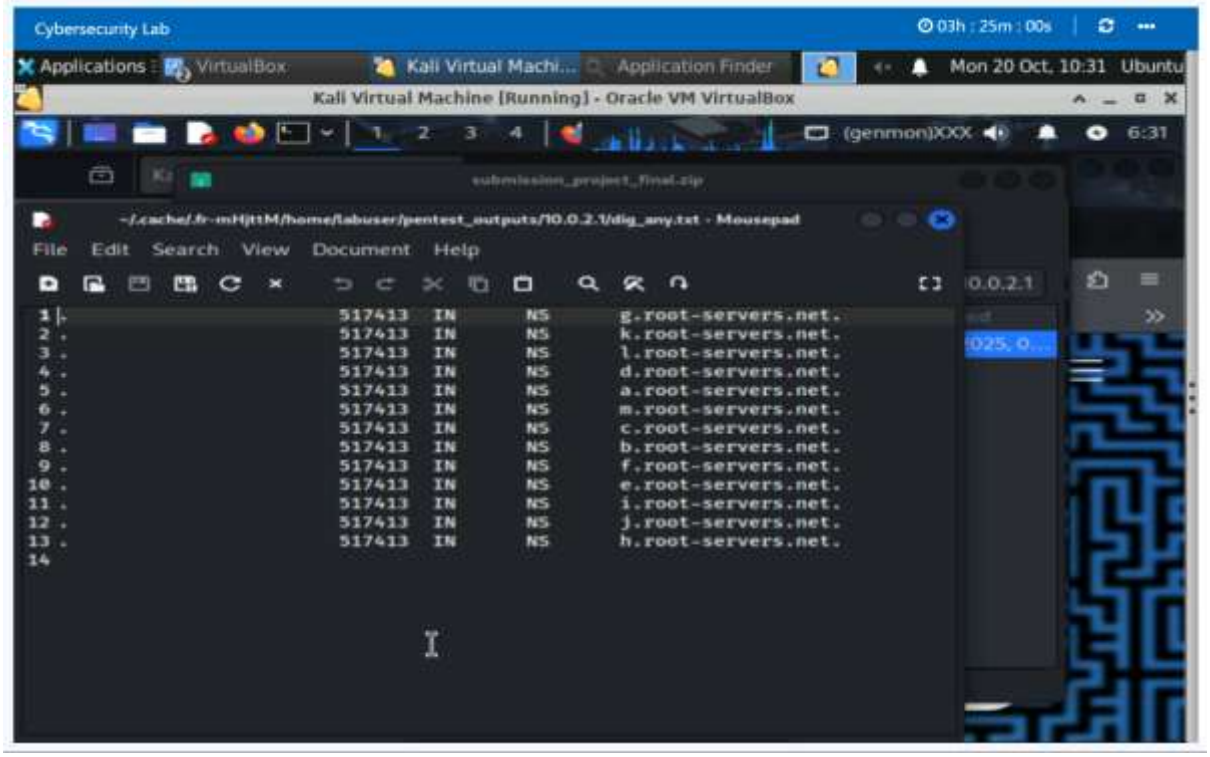
Location: /home/labuser/pentesting



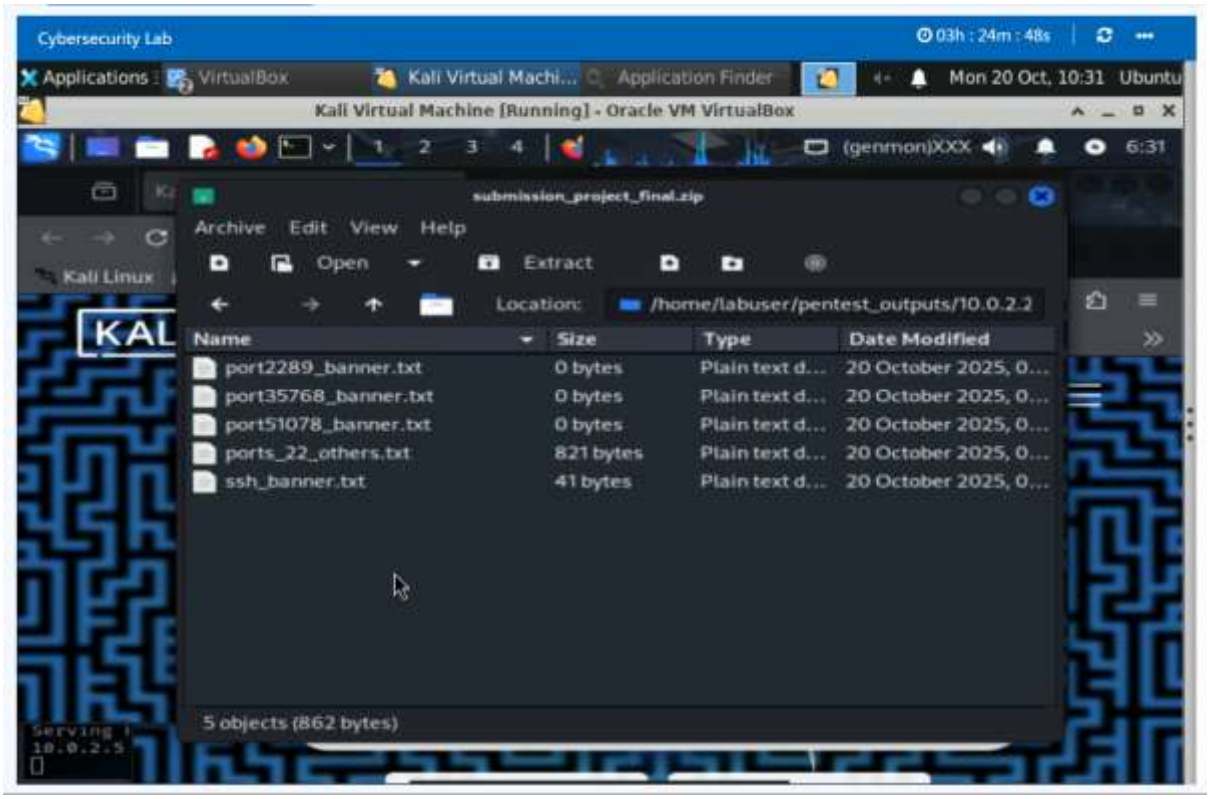
Location: /home/labuser/pentest_outputs/10.0.2.1



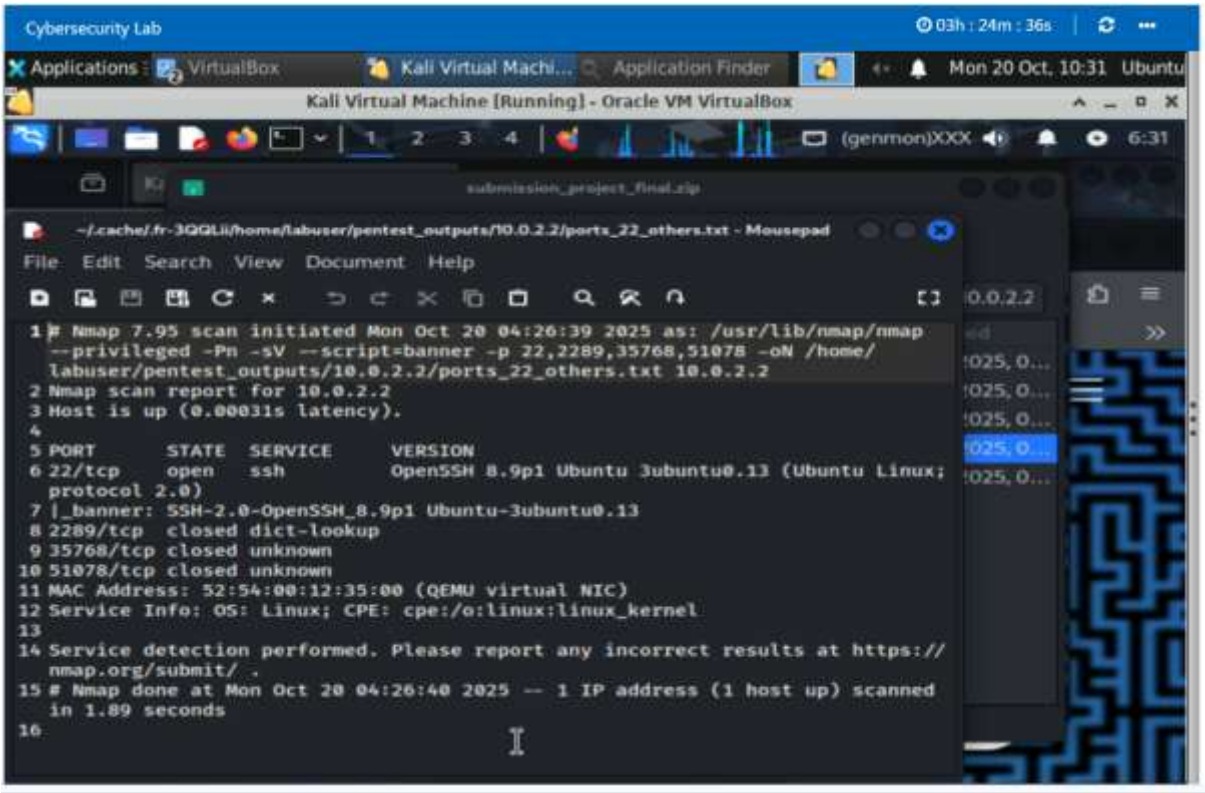
Location: /home/labuser/pentest_outputs/dig_any.txt



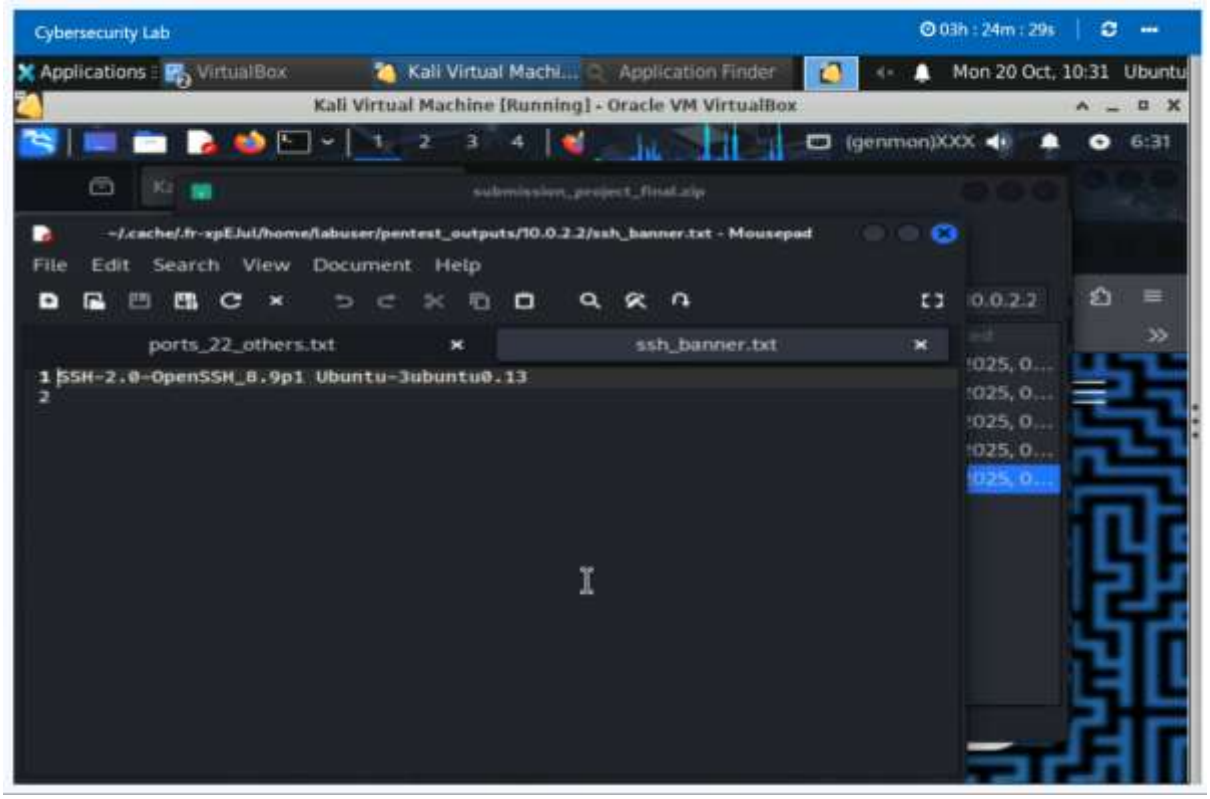
Location: /home/labuser/pentest_outputs/10.0.2.2



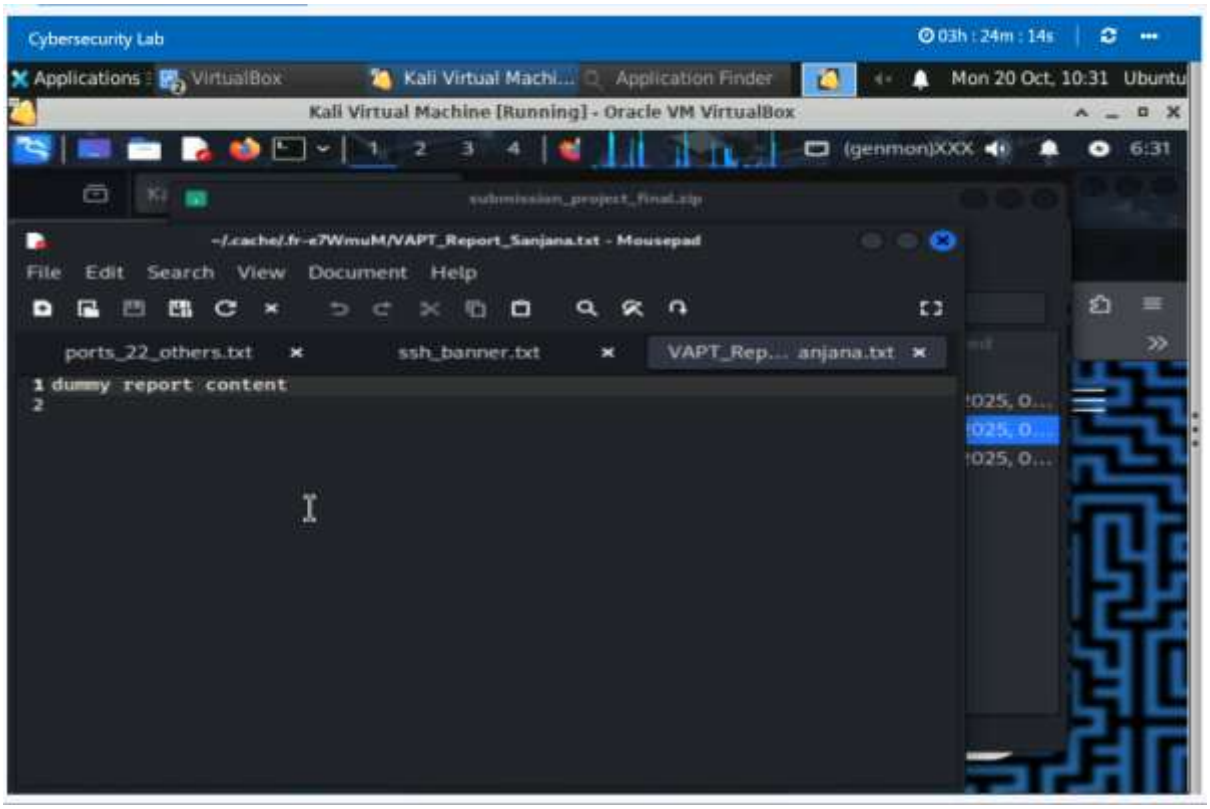
Location: /home/labuser/pentest_outputs/10.0.2.2/ports_22_others.txt



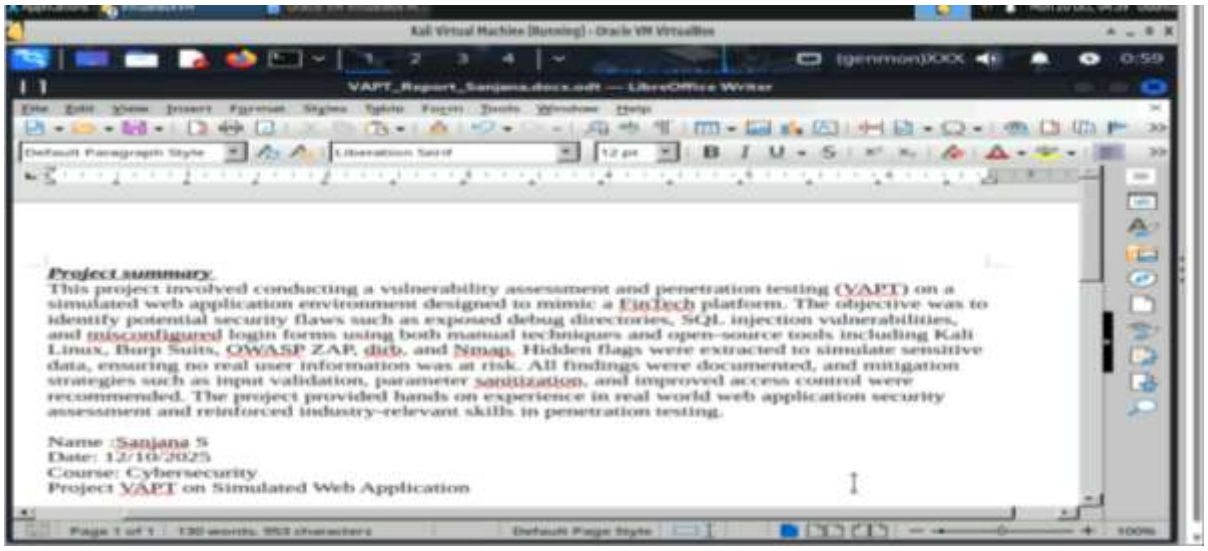
Location: /home/labuser/pentest_outputs/10.0.2.2/ssh_banner.txt

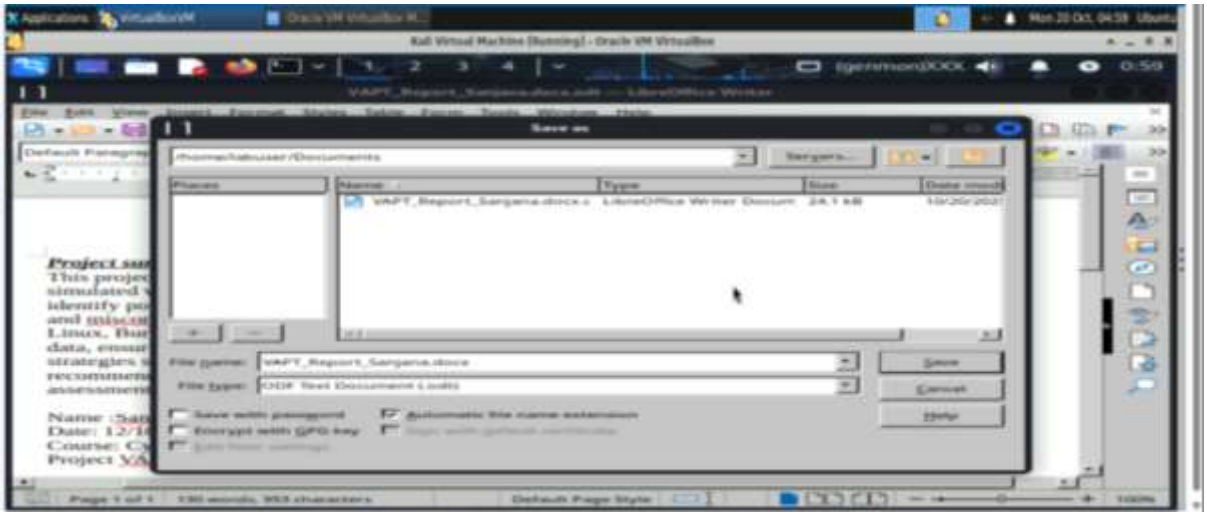
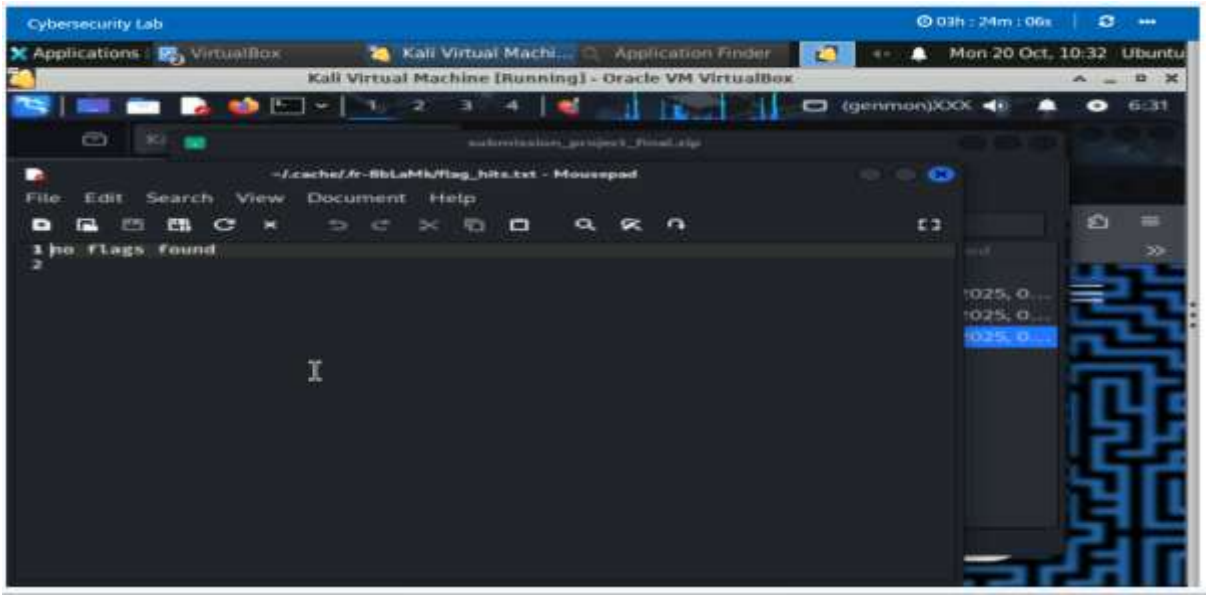


Location: VAPT_Report_sanjana.txt – Dummy report



Location: VAPT_Report_sanjana.txt – Project Report sample





Location: flag_hits.txt