

| Nmap Purpose | Nmap Commands | Wireshark Filters | Firewall Bypass Commands | Comments |
|---|---|-------------------|--------------------------|---|
| Nmap TCP scan | nmap -T 7 -p 80,443 target_IP | ip.addr==targetIP | | |
| Nmap Syn Scan | nmap -sS -p 80,443 target_IP | | | |
| Nmap Null Scan | nmap -sN -p 80,443 target_IP | | | Bypass Firewall Use only on the non-windows system to bypass the firewall |
| Nmap UDP scan (UDP ports) | nmap -sU -p 80,443 target_IP | | | For scanning the UDP ports It sets all the TCP header field as FIN Sets the packet with FIN, URG,_PUSH flag |
| Nmap FIN Scan | nmap -sF -p 80,443 target_IP | | | |
| Nmap ACK Scan | nmap -sA target_IP | | | Used to determine the state of the firewall |
| Nmap Zombie Scan | Nmap -sI nmapID -vv Target_IP | | | Used to bypass some Firewall rules on the internal system scan |
| Nmap Normal Scan | Nmap target_IP nmap target_IP/ICDR_value or | | | |
| nmap Range Scan | Nmap target_IP-255 | | | |
| Nmap Fast Scan | nmap -f target_IP nmap -sn Target_subnet/24 | | | It scans only top 100 ports |
| | netdiscover -r target_subnet/24 -i eth0 | | | |
| Nmap Host Discovery scan | nmap -sP target_subnet/24 | | | |
| Nmap scan through List | nmap -iL target_ip_list.txt | | | |
| Nmap random IP scanning | nmap -r 20 -v | | | |
| Nmap exclude IP Scan | nmap -f target_subnet/24 --exclude IP_you_wanna_exclude | | | This scan automatically picks 20 ipaddress from internet and it starts to scan that |
| Nmap exclude the List of IP | nmap -f target_subnet/24 --excludefile file.txt | | | |
| Nmap NO Host Discovery Scan | nmap -Pn target_subnet/24 -vv nmap target_IP -p ssh,ftp | | | |
| Nmap Scan using the port name & port Numbers | nmap target_IP -p 22,23 | | | |
| Nmap scan only for open ports | nmap target_IP -vv -open | | | |
| Nmap to stop the random port scan | nmap -f target_IP | | | |
| Nmap top port scan | nmap target_IP -top-ports 10 nmap -sV target_IP -vv | | | It scans the target system's port in ascending order. It only scans the top 10 ports |
| | nmap -sV target_IP --version-intensity 0 | | | |
| Nmap service detection (Banner Grabbing) | nmap -sv target_IP --version-intensity 5 nmap -O target_IP | | | |
| | nmap -O target_IP --max-tries 5 -vv | | | |
| Nmap OS detection with some scripts | nmap -O target_IP --osscan-limit -vv | | | |
| Nmap OS detection with SMB script | nmap -sC nmap-smb-os-discovery target_IP nmap -sV -T4 -o filename.txt - Normal Output | | | |
| | nmap -sV -T4 -oX filename.xml - XML output | | | |
| Nmap OUTPUT file formats | nmap -sV -T4 -oX filename - XML file format. | | | |
| Running default nse script against the target server | nmap target_IP -script=default | | | |
| Nmap for ftp bruteforcing | Nmap target_IP -vv -p 9999 --script ftp-brute --script-args userdb=path_to_userdb.txt, passdb=path_to_password_db.txt | | | |
| Scanning the Target System with wildcard NSE scripts | Nmap target_system -vv --script http-* -p 80,443 -Pn Nmap -script:updatedb | | | |
| How to update the nse script database | nmap -script:updatedb -vv | | | |
| Nmap Vulnerability Scan | Nmap -script vahn -p -vv target_IP | | | |
| Check For DOS attack using Nmap | Nmap target_IP -script:dos -vv -Pn Nmap target_IP -script:exploit -vv -Pn or | | | It runs different scripts to detect whether the target system is vulnerable to DOS attack or not |
| Exploit scan against the target_IP | nmap target_IP -script exploit -vv -Pn nmap target_IP -script:nhttp-malware-host | | | |
| How to check your target system is vulnerable for mal | Nmap target_IP -script:(vulns and exploit) and not http-* -vv | | | |
| Boolean nmap script scan | | | | |
| Nmap Traceroute scan | Nmap target_IP -traceroute | | | |
| How to find the geolocation of the target system | Nmap target_IP -script:traceroute-geolocation -p 80 | | | |
| How to perform the dns brute force | Nmap target_IP -script:dns-brute -vv | | | |
| Whois scan for the targetIP | Nmap -script:whois-domain target_IP | | | |
| How to detect the WAF using nmap | nmap -script:httph2-waf-detect target_IP -p 80,443 -vv nmap -script:httph2-waf-detect target_IP -p 80,443, -vv | | | |
| How to find the Formatted ports | Nmap target_IP -script:formatwaf -traceroute -vv | | | |
| Enumerating files by spidering the target website an | Nmap target_IP -script:httgrep -vv --script-args http.get.buildins=e-mail -vv | | | |
| Sitemap generation using the Nmap command | Nmap -vv target_IP -vv --script args=http.generator=p 80 | | | |
| HTTP Crawler scan | Nmap -script:httph2-tester target_IP -vv -p 80 | | | |
| Nmap WFTY directory scan | Nmap -script:httph2 enum target_IP -vv -p 80 | | | |
| SMTP Open Relay Detection | Nmap -script:smtp-open-relay target_IP -vv -p 25 | | | |
| SNMP Enumeration | Nmap -script:snmpenum target_IP -vv -p 25 | | | |
| SNMP password Bruteforcing | Nmap -script:snmp-brute target_IP -vv -p 25 | | | |
| SNMP哄骗检测 | Nmap target_IP -script:snmptrapgen -vv | | | |
| POP3 Enumeration | nmap -script:pop3-capabilities target_IP -vv -p 25 | | | |
| IMAP Enumeration | nmap -script:imap-capabilities target_IP -vv -p 25 | | | |
| Snmp Decoy Scan | Nmap -D spoofed_ip target_IP -vv | | | |
| Nmap Scan with Customized Interface | Nmap target_IP -e eth0 -vv -Pn | | | |
| Scan with spoofed Mac address | Nmap target_IP -sL source-ip -vv -Pn | | | |
| Spoofing TTL to confuse the target person | Nmap target_IP -p 80,443 -vv -ttt64 | | | |
| How to use Proxy for scanning the system | Nmap target_IP -proxies proxyportno -vv | | | |
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| Nmap Bogus Scan | Nmap target_IP -vv --badsum -p 21,22,23 | | | |
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| Snmp Fragmentation Scan | nmap target_IP -f -vv -p 21,22,23 | | | |
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