



Nmap - the Network Mapper. Утилита для сканирования и исследования безопасности сети

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Nmap - the Network Mapper 222222 222 2222222222 2 222222222222 222222222222 22

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????????? Nmap ??????????? ???? ?????????? ?????? ???? ?????????? ?????? ?????? ?????? Nmap ?????????? ?????? ?????? UDP, TCP connect(), TCP SYN (?!!!!!!), FTP proxy (?!!!!!! ftp), Reverse-ident, ICMP (ping), FIN, ACK, Xmas tree.

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?? ??????? ???. ?? ?????? ?????? sendmail ??????????. ?????? ?????? Nmap ????. ??????? ?????? ?????? (?????)

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nmap -n -sS -p25 -PS25 24.0.0.0/8
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????????? ?????? (????????? microsoft.com) ?????????? ??-????? ?? ???? Nmap ??????????? TCP ACK-?????? ?? 80-? ??? ??????????? ?? (?? ????????.)?, ??-????? ?? ?????????? RST-?????.? ??? ?????-..? ?????????? SYN-????? ??? ?????? ??? RST ??? SYNACK. ??? ???????????.? ?? ?????????? ?????? root. ?????????? connect).

<http://www.cherepovets-city.ru/insecure/runmap/runmap-versionscan.htm> [1] version

здесь [2] Наша задача - это выявление идентичности строк.



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-sR (scan RPC) - ?????????? RPC-????????? ?? ?????? ?????????? ?????? ?????? ?????? ???? Nmap. ?? ?????? ?????? TCP:UDR-????? ?????? ?????? NULL-????????? SunRPC, ?????? ???? NULL-????????? RPC-????? ???? TCP-?????.

-sL (scan List) - ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? Nmap. ?? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? TCP-?????.

-b <ftp_relay_xscr> (bounce scan) - ?????????? ?? ?????? ??? "FTP". ?????? ?????? ?????? ?????? FTP (RFC 959) ?????? ?????? ?????? (proxy) fp-????????? ?????? source.com ?????? ?????? ???? fp-????????? target.com ???? ?????? ???? ???? ???? Internet ?????. ?? ?????? ??????.

????? ???? 1985 ??(????? ?????? ?????? RFC). Nmap ?????? ??? "FTP". ?????? ?????? ?????? ?????? ?????? fp-?????.

????? URL ?????? **имя_пользователя:пароль@сервер:порт**. ?????? ?????? ?????? ?????? ?????? ?????? ??????.

????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? Nmap ???? ???? ???? ???? ???? ???? ????.

-PO (Ping 0) - ?? ?????????? ping-????? ?????? ?? ?????????? ?????? ?????? ?????? ?????? ?????? ICMP-???. ?????? ?????? ?????? ?????? ?????? Microsoft.com. ?? ?????? ?????? ?????? ?????? ?????? 'PO'-PTBO'!?. ??, ?????? ?????? ??????.

-PT (Ping TCP) - ?????????? TCP "ping". ?????? ?????? ?????? ICMP-???. Nmap ?????? ?????? TCP ACK-????? ?? ?????? ?????? ?????? ?????? ?????? RST-????? ?? ??-root ?????? connect). ??? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ICMP-???.

????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ACK-?????, ?????? ?????? '-PT <номер_порта>'. ?????? ?????? ?????? 80-? ???, ?????? ?????? ?????? ?????? ??????.

-PS (Ping SYN) - ???, ?????? ?????? ping-?????. ?? ?????? ACK-????? TCP "ping" ?????? ?????? SYN-????? ?????? ?????? RST-????? (???? - SYN/ACK).

-PU (portlist) (Ping UDP) - ?????????? UDP Ping. Nmap ?????? UDP-????? ?? ?????? ?????? ?????? ICMP "port unreachable" (????? ?????? UDP) ?? ?????? ?????? UDP, ?? ?????? ?? ?????? ?? ?????? ?? ?????? ?? ??????.

-PE (Ping ICMP) - ??? ?????? ?????? ping-????? ?????? ping-????? (????? ICMP-???. ??, ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ??????).

-PP - ?????????? ?????? ICMP "timestamp request (code 13)" ?? ?????????? ??????.

-PM - ?????? ?????? PE -PP ?? ?????????? ???, ?? ?????????? ?????? "netmask request" (ICMP code 17).

-PB (Ping Both) - ??? ping-????? ?????? ?????? ?????? ACK ? ICMP.

-O (Operating system detection) - ??? ?????? ?????? ?????? ?????? ?????? TCP/IP. ?????? ?????? Nmap ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? snap-on-fingerprinting. ?? ?????? ?????? ??????.

????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? Nmap ???? ?????? 'd' ? ?????? ??????.

-A ??? ?????? additional advanced aggressive. ?????? ?????? -O, -Av, -T4 ? -v.

-6 - ?????? ?????? IPv6. ?? ?????? ?????? IPv6 ?? ?????? ?????? ?????? DNS (????? AAAA) ?? ?????? ?????? IP-????? ?????? 3fe:501:4819:2000:210:f3ff:fe03:440. ?? ?????? ?????? ?????? TCP(connect)-????????? ?? ?????? TCP(connect) Ping. ?????? ?????? UDP ?? ??????.

http://nmap6.sourceforge.net/ [3]

-l (Ident scan) - ?????????? reverse-ident ?????? ?????? Ident (RFC 1413) ?????? ?????? ?????? (username) ??????, ?????? TCP, ?? ?????? ?????? ?????? ?????? ?????? http-????? ?????? ident ?? ?????? ?????? root. ?? ?????? ??????.

????? TCP-????? ?????? ?????? (??, ?????? ?????? ?????? -sT). Nmap ?????? ident ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ident.

-f (use fragmentation) - ??? ?????? ?????? ?????? SVN, FIN, Xmas ?? NULL-????????? ?? ?????? ?? ?????? ?????? ?????? IP-????????? ?? ?????? ?????? ?????? TCP-????? ?? ?????? ?????? TCP-????? ?? ?????? IP-????? ?? ?????? TCP-?????.

????? 24.?????.

-v (verbose output) - ?????? ?????? ?????? ?????? ?????? Nmap ?????? ?????? ?????? ?????? Nmap ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? -d'.

-h (show help) - ?????? ?????? ?????? Nmap ???? ?????? ?????? ?????? ??????.

-ON <имя_файла> (output Normal) - ?????? ?????? ?????? ?????? ?????? ?????? ??????.

-OX <имя_файла> (output XML) - ?????? ?????? ?????? ?????? ?????? ?????? XML-??. ?????? ?????? ?????? Nmap?. ?? ?????? ?????? - (?? ?????? ?? ?????? sidout. ?????? Document Type Definition (DTD) ?????? ?????? ?????? Nmap ???? XML ?????? XML ??????).

http://www.insecure.org/nmap/nmap.dtd [4]

-oG <имя_файла> (output Greppable) - ?????? ?????? ?????? ?????? ?????? ?????? grep. ?? ?????? ?????? ?????? ?????? ?????? -oM (??. ?????? ??????).

XML ?????? ?????? ?????? -.



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????? **Sneaky** ?????? ?? ?????? Paranoid. ?????? ?????????? ? ??, ?? ??????? ???? ?????? ??? ?????? ?????????? 15 ????

????? Polite ?????????? ? ????, ???, ?????????? ?????? ???? ? ?????? -????? ???????. ????. ????. ????. ????. ????. ????. ????. ????. 0.4 ????.

Aggressive ?????????? ?????????? ?????????? ?????????? ?????????? 5 ??????, ?????? 1,25 ??????

???? **Insane** ?????????? ?????? ?? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? ?????? 75 ??????, ? ?????? ?????? ?????? ?? ?????? - 0.3 ??????

--initial_rtt_timeout <миллисекунд> -PO Nmap !!!!!!! 6000 !!!!!!!

10 - ??????????? ???. ?????.

716 - ?????????? ?????? ?????? B

'24' - ?????????? ???? ???? ??

732 - ?????????? ?????? ?????? ??????

Nmap ?????????? ?????? ?????? ?????? IP-?????, ?????????? ?????? ???? ?????? ?? ??????, ?????????? ?????????? ?????? B ?????? 128.210.*.* ?????? ??? ?????? ?????? ?? ?????? ?????? ??????????

128.210.*.*

128.210.0-255.0-255

128.210.1.50 51-255 1 2 3 4 5-255

128.210.0.0/16

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nmap -v target.example.com
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?????? ???? ?????????????? TCP-????? ?? ????? target.example.com.????? -w? ?????? ?????? ?????? ?????? ?????? ??????.
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nmap -sS -O target.example.com/24
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?????? SYN-????????? ??? 255 ?????? ! ?????? ?????? C. ?????? ? ?????? ?????? target.example.com.????? ???? ?????? ?????? ? ?????? ? ?????? ? ?????? root.
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```
nmap -sX -p 22,53,110,143,4564 128.210.*.1-127
```

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????????? Xmas-????????? ?????? ?????? (0-127) ?????? ? 255 ?????? ?????? B ?????? ?????? ?????? 128.210.*.*. ? ?????? ?????? ?????? ?????? sshd (22 ???), DNS (53), pop3d (110), imapd (143) ? ?????????? 4564. ?????? ?????? ?? Xmas-????????? ?? ?????? ?????? ?? ?? Windows, CISCO, IRIX, HP/UX ? BSDI.
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```
nmap -v --randomize_hosts -p80 *.*.2.3-5
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Nmap ????? ?????? ??? ?????? IP-????? ?????? ?????? 2.3, 2.4 ? 2.5. ???? ???? root. ?? ????? ?????? ?????? ?????? -sS. ?? ?????? ?????? ?????? ?? 127. ?????? ?????? ?????? ?????? 127-222. ?????? ??????.
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host -l company.com |cut -d'-' -f 4| ./nmap -v -IL
```

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????????? DNS ??? ???? ?????? company.com, ?????? ?????? Nmap ?? ??????. ??? ?????? ?????? ??? GNU/Linux. ??? ?????? ?? ??? ?????? ?????? ?????? ???.
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fyodor [at] insecure [dot] org (fyodor [at] insecure [dot] org)

<http://www.insecure.org/> [5]

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?????? ??????
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alex [at] cherepovets-city [dot] ru (alex [at] cherepovets-city [dot] ru)



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<http://www.cherepovets-city.ru/insecure> [6]

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????????? ?????? Nmap ? RuNmap ?? ?????? ??????? ?? ??????

<http://www.cherepovets-city.ru/insecure> [6]

<http://www.insecure.org/> [5]

nmap (?????? ???) (c) 1997-2003 Fyodor

— (2000) 2000000 (c) 1999-2002 2000000 200000

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Источник (получено 2024-04-20 14:52):

<http://muff.kiev.ua/content/nmap-network-mapper-utilita-dlya-skanirovaniya-i-issledovaniya-bezopasnosti-seti>

Ссылки:

- ```
[1] http://www.cherepovets-city.ru/insecure/runmap/runmap-versionscan.htm
[2] http://www.cherepovets-city.ru/insecure/runmap/runmap-idlescan.htm
[3] http://nmap6.sourceforge.net/
[4] http://www.insecure.org/nmap/nmap.dtd
[5] http://www.insecure.org/
[6] http://www.cherepovets-city.ru/insecure
[7] ftp://ftp.ee.lbl.gov/libcap.tar.gz.
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