

Timing Policies

Professor Messer's Quick Reference Guide to

NMAP

Contributed By: shravansofts2011@gmail.com

--badsum

Send Bad TCP or UDP Checksum

SCAN OPTION SUMMARY					PING OPTIONS		
	Command Requires Identifies			Identifies	ICMP Echo Request Ping	-PE, -P	I
Scan Name	Syntax	Privileged Access	TCP Ports	UDP Ports	TCP ACK Ping	-PA[por	tlist], -PT[portlist]
TCP SYN Scan	-sS	YES	YES	NO	TCP SYN Ping	-PS[por	tlist]
TCP connect() Scan	-sT	NO	YES	NO	UDP Ping	-PU[por	tlist]
FIN Stealth Scan	-sF	YES	YES	NO	ICMP Timestamp Ping	-PP	
Xmas Tree Stealth Scan	-sX	YES	YES	NO	ICMP Address Mask Ping	-PM	
Null Stealth Scan	-sN	YES	YES	NO	Don't Ping	-P0, -P	N, -PD
Ping Scan	-sP	NO	NO	NO	Require Reverse	-R	
Version Detection	-sV	NO	NO	NO	Disable Reverse DNS	-n	
UDP Scan	-sU	YES	NO	YES	Specify DNS Servers	dns-servers	
IP Protocol Scan	-s0	YES	NO	NO		IE INFORMATION OPTIONS	
ACK Scan	-sA	YES	YES	NO	Verbose Mode	verbose, -v	
Window Scan	-sW	YES	YES	NO	Version Trace		sion-trace
RPC Scan	-sR	NO	NO	NO	Packet Trace		cet-trace
List Scan	-sL	NO	NO	NO	Debug Mode	debu	•
Idlescan	-sI	YES	YES	NO	Interactive Mode		eractive
FTP Bounce Attack	-b	NO	YES	NO	Noninteractive Mode		Interactive
HOST AND PORT OPTIONS					OPERATING SYSTEM FINGERPRINTING		
Exclude Targets		xclude <host< td=""><td></td><td>></td><td>OS Fingerprinting</td><td></td><td>-0</td></host<>		>	OS Fingerprinting		-0
Exclude Targets in File		xcludefile <			Limit System Scanning		osscan-limit
Read Targets from File					More Guessing Flexibility		osscan-guess,fuzzy
<u> </u>		-iL <inputfilename></inputfilename>			Additional, Advanced, and Aggressive -A		
Pick Random Numbers for		-iR <num_hosts></num_hosts>			VERSION DETECTION		
Randomize Hosts		randomize_hosts, -rH			Version Scan		-sV
No Random Ports		-r			Don't Exclude Any Ports		allports
Source Port		source-port <portnumber></portnumber>			Set Version Intensity		version-intensity
Specify Protocol or Port Numbers		-p <port_range></port_range>			Enable Version Scanning L	ight_	version-light
Fast Scan Mode		-F			Enable Version Scan All		version-all
Create Decoys		-D <decoy1 [,decoy2][,me],=""></decoy1>			RUN-TIME INTERACTIONS		
Source Address		-S <ip_address></ip_address>			Display Run-Time Help		?
Interface		-e <interface></interface>			Increase / Decrease Verbo	sity	v / V
List Interfaces	i	flist			Increase / Decrease Debug	, ,	d / D
	TUNING AND	AND TIMING OPTIONS			Increase / Decrease Packe	t Tracing	p / P
Time to Livettl					Any Other Key		Print Status
Use Fragmented IP Packets		-f, -ff				_OGGING O	
					Normal Format		ogfilename>
Maximum Transmission Unit		mtu <databytes></databytes>			XML Format		ogfilename>
Data Length		data-length <databytes></databytes>			Grepable Format		ogfilename>
Host Timeout		host-timeout <milliseconds></milliseconds>			All Formats Script Kiddie Format		ogfilename>
Initial Round Trip Timeout		initial-rtt-timeout <milliseconds></milliseconds>			Resume Scan		me <logfilename></logfilename>
Minimum Round Trip Timeout		min-rtt-timeout <milliseconds></milliseconds>			Append Output		nd-output
Maximum Round Trip Timeout		max-rtt-timeout <milliseconds></milliseconds>			MISCELLANEOUS OPTIONS		
Maximum Parallel Hosts per Scan		max-hostgroup <number></number>			Quick Reference Screen		-help, -h
Minimum Parallel Hosts per Scan		min-hostgroup <number></number>			Nmap Version		-neip, -n
					Data Directory		-datadir <directory_name></directory_name>
Maximum Parallel Port Scans		max-parallelism <number></number>			Quash Argument Vector		q
Minimum Parallel Port Scans		min-parallelism <number></number>			Define Custom Scan Flags		-scanflags <flagval></flagval>
Minimum Delay Between Probes		scan-delay <milliseconds></milliseconds>			(Uriel) Maimon Scan		sM
Maximum Delay Between I	Probesm	ax-scan-dela	У		IPv6 Support		6

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Identifying Open Ports with Nmap

