

Timing Policies

--timing, -T<0|1|2|3|4|5>

Professor Messer's Quick Reference Guide to

NMAP

Contributed By: shravansofts2011@gmail.com

	TION SUMMARY	snravansorts2011@gmail.com					
	SCAN UP			lalamáifica	PING OPTIONS		
Scan Name	Command Syntax	Requires Privileged Access	Identifies TCP Ports	Identifies UDP Ports	ICMP Echo Request Ping	-PE, -PI -PA[portlist], -PT[portlist]	
					TCP ACK Ping TCP SYN Ping	-PA[portlist], -PT[portlist] -PS[portlist]	
TCP SYN Scan	-sS	YES	YES	NO	UDP Ping	-PU[portlist]	
TCP connect() Scan	-sT	NO	YES	NO		-PP	
FIN Stealth Scan	-sF	YES	YES	NO	ICMP Timestamp Ping ICMP Address Mask Ping	-PM	
Xmas Tree Stealth Scan	-sX	YES	YES	NO	Don't Ping	-PO, -PN, -PD	
Null Stealth Scan	-sN	YES	YES	NO	Require Reverse	-R	
Ping Scan	-sP	NO	NO	NO	Disable Reverse DNS	-n	
Version Detection	-sV	NO	NO	NO	Specify DNS Servers	dns-servers	
UDP Scan	-sU	YES	NO	YES			
IP Protocol Scan	-s0	YES	NO	NO		E INFORMATION OPTIONS	
ACK Scan	-sA	YES	YES	NO	Verbose Mode	verbose, -v	
Window Scan	-sW	YES	YES	NO	Version Trace	version-trace	
RPC Scan	-sR	NO	NO	NO	Packet Trace	packet-trace	
List Scan	-sL	NO	NO	NO	Debug Mode	debug, -dinteractive	
Idlescan	-sI	YES	YES	NO	Interactive Mode		
FTP Bounce Attack	-b	NO	YES	NO	Noninteractive Mode		interactive
HOST AND PORT OPTIONS					OPERATING SYSTEM FINGERPRINTING		
Exclude Targets		exclude <host< td=""><td></td><td></td><td>OS Fingerprinting</td><td></td><td>-0</td></host<>			OS Fingerprinting		-0
- v					Limit System Scanning		osscan-limit
•		excludefile <exclude_file> -iL <inputfilename></inputfilename></exclude_file>			More Guessing Flexibility	osscan-guess,fuzzy	
Pick Random Numbers for Targets		•			Additional, Advanced, and Aggressive -		-A
•		_			VERSION DETECTION		
Randomize Hosts		randomize_hosts, -rH			Version Scan -sV		
No Random Ports		-r			Don't Exclude Any Portsallports		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 Lightversion-light		version-light
Fast Scan Mode		-F			Enable Version Scan Allversion-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 Verbosity		v / V
List Interfaces		iflist			Increase / Decrease Debugging		d / D
TUNING		AND TIMING OPTIONS			Increase / Decrease Packet Tracing		p / P
					Any Other Key Print Status		
Time to Live		ttl			LOGGING OPTIONS		
Use Fragmented IP Packets		-f, -ff			Normal Format	-oN <logfilename></logfilename>	
Maximum Transmission Unit		mtu <databytes></databytes>			XML Format	-oX <1	.ogfilename>
Data Length -		data-length <databytes></databytes>			Grepable Format	-oG <1	.ogfilename>
Host Timeout -		host-timeout <milliseconds></milliseconds>			All Formats	-oA <b< td=""><td>easefilename></td></b<>	easefilename>
Initial Round Trip Timeout		initial-rtt-timeout <milliseconds></milliseconds>			Script Kiddie Format	-oS <logfilename></logfilename>	
Minimum Round Trip Timeout		min-rtt-timeout <milliseconds></milliseconds>			Resume Scan		me <logfilename></logfilename>
Maximum Round Trip Timeout		max-rtt-timeout <milliseconds></milliseconds>			Append Output	appe	nd-output
·					MISCELLANEOUS OPTIONS		
Maximum Parallel Hosts per Scan		max-hostgroup <number></number>					help, -h
Minimum Parallel Hosts per Scan		min-hostgroup <number></number>					version, -V
Maximum Parallel Port Scans		max-parallelism <number></number>			·		datadir <directory_name></directory_name>
Minimum Parallel Port Scans		min-parallelism <number></number>					·q
Minimum Delay Between Probes		scan-delay <milliseconds></milliseconds>			3		scanflags <flagval></flagval>
Maximum Delay Between Probes		max-scan-delay			IPv6 Support		· 6

Send Bad TCP or UDP Checksum --badsum

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Identifying Open Ports with Nmap

