Nmap Cheat Sheet

Target Specification				
Switch -iL -iRexclude	Example nmap 192.168.1.1 nmap 192.168.1.1 192.168.2.1 nmap 192.168.1.1-254 nmap scanme.nmap.org nmap 192.168.1.0/24 nmap -iL targets.txt nmap -iR 100 nmapexclude 192.168.1.1	Description Scan a single IP Scan specific IPs Scan a range Scan a domain Scan using CIDR notation Scan targets from a file Scan 100 random hosts Exclude listed hosts		

Scan Techniques				
<u>Switch</u> -sS -sT	<u>Example</u> nmap 192.168.1.1 -sS nmap 192.168.1.1 -sT	<u>Description</u> TCP SYN port scan (Default) TCP connect port scan (Default without root privilege)		
-sU -sA -sW -sM	nmap 192.168.1.1 -sU nmap 192.168.1.1 -sA nmap 192.168.1.1 -sW nmap 192.168.1.1 -sM	UDP port scan TCP ACK port scan TCP Window port scan TCP Maimon port scan		

Host Discovery				
<u>Switch</u>	<u>Example</u>	<u>Description</u>		
-sL	nmap 192.168.1.1-3 -sL	No Scan. List targets only		
-sn	nmap 192.168.1.1/24 -sn	Disable port scanning		
-Pn	nmap 192.168.1.1-5 -Pn	Disable host discovery. Port scan only		
-PS	nmap 192.168.1.1-5 -PS22-25,80	TCP SYN discovery on port x. Port 80 by default		
-PA	nmap 192.168.1.1-5 -PA22-25,80	TCP ACK discovery on port x. Port 80 by default		
-PU	nmap 192.168.1.1-5 -PU53	UDP discovery on port x. Port 40125 by default		
-PR	nmap 192.168.1.1-1/24 -PR	ARP discovery on local network		
-n	nmap 192.168.1.1 -n	Never do DNS resolution		

Port Specification				
<u>Switch</u>	<u>Example</u>	<u>Description</u>		
-р	nmap 192.168.1.1 -p 21	Port scan for port x		
-p	nmap 192.168.1.1 -p 21-100	Port range		
-p	nmap 192.168.1.1 -p U:53,T:21-25,80	Port scan multiple TCP and UDP ports		
-p-	nmap 192.168.1.1 -p-	Port scan all ports		
-p	nmap 192.168.1.1 -p http,https	Port scan from service name		
-F	nmap 192.168.1.1 -F	Fast port scan (100 ports)		
top-ports	nmap 192.168.1.1top-ports 2000	Port scan the top x ports		
-p-65535	nmap 192.168.1.1 -p-65535	Leaving off initial port in range makes the scan start at port 1		
-p0-	nmap 192.168.1.1 -p0-	Leaving off end port in range makes the scan go through to port 65535		

