Cheatography

# Enumeration Cheat Sheet

by djf via cheatography.com/68878/cs/17349/

## Alive Hosts

**NMAP**

```
nmap -sn -n 172.16.0.1\24 | grep " Nma p" | cut -d " " -f 5 > alives
```

**NIX**

bash/sh

```
for x in {1..25 4..1 };do ping -c 1 172.16.0.$x | grep "64 b" | cut -d" " -f4 >> alive.h osts; done
```

**WIN**

cmd.exe

```
for /L %i in (10,1,254) do @ (for /L %x in (10,1,254) do @ ping -n 1 -w 172.16.%i.%x 2>nul | find " Rep ly"
s)
```

powershell.exe

```
Foreach($x in 1..255 ){T est -Co nne ction 172.16.0.$x}
```

## NMAP

Alives Generation

```
nmap -sn -n | grep " Nma p" | awk $6 > alives.hosts
nmap -sn -n -oN scan.nmap && awk $6 scan.nmap > alives.hosts
```

Very Minimal Footprint with Fragmentation & Decoys

```
nmap -sS --max- retries 0 --scan -delay 3 --os-limit --max- os- tries 1 -T0 -n -Pn -iL target s.txt -vv -f -
 32
```

Conscious Footprint

```
nmap -sS -sN -p1,2-9,39 -Pn -n -T2 -f 192.16 8.0.1\24
```

Aggressive Everything

```
nmap -A -p- 0.0.0.0\0
```

XML Web Presentation

```
nmap -sT -p- 192.16 8.1.5 -oX webpre sen tat ion.xml --webxml
```

By **djf**
cheatography.com/djf/

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## NMAP Flags/Args

| | | | |
|---|---|---|---|
| -sn | Alive hosts discovery[1A] | -sU | UDP Scan |
| -Pn | Assume host is alive | -sT | Full TCP Handshake Sc |
| -n | Don't resolve IP addresses | -sS | TCP SYN Scan |
| -R | Always resolve IP addresses | -sA | TCP ACK Scan |
| -F | Fast amount of ports Scan | -sC | Nmap Scripts |
| -p- | All ports 1-65355 | -sN | TCP NULL Scan |
| -T[1-5] | Timing speed very slow (1) to very fast (5) | -sF | TCP FIN Scan |
| --scan -delay [int] | Time between probes | -sV | Service Enumer ation |
| -f | Fragment Packets (IDS/FW evasion) | -O | OS Type Enumer ation |
| -D | Decoy hosts traffic | RND:10 | 10 Random source host |
| -PS | TCP SYN Ping[2A] | -PA | TCP ACK Ping[2A] |
| -PU | UDP Ping[3A] | -PE | ICMP Echo Request |
| -PP | ICMP Timestamp Query[4A] | -PM | ICMP Address Mask Que |
| -A | Aggressive Scan[6A] | --ttl | Set Time-T o-Live for |
| --vers ion -light | Versioning intensity: 2 | --vers ion-all | Version intensity: 9 |
| --iflist | List interfaces (ifconfig) | --trac eroute | Trace route to destir |
| --stats every [int] | Time between writing to stdout | --scri pt- upd ate db | Update script db |
| --data -length [int ] | Use with -sU, size of UDP payload | --open | Return only open port |
| --syst em-dns | Resolve hostnames with localhost | --dns- servers | Specify name server a s |
| --resume [file] | Scan to resume from output file | --appe nd- output | Append to output file |
| --ip-o ptions | Specify raw IP frame hex options | Example | --ip-o ptions \x01\x |
| -sW | TCP Window Scan | -sM | TCP Maimon Scan |
| -sX | TCP Xmas Scan (all flags) | --scan flags URGAC K | Set TCP Flags |

1A. Sends ICMP Echo Req, SYN:443, ACK:80, ICMP Timestamp Req
2A. Destin ation port 80, may specify alternate port with the '-p' flag.
3A. Destin ation port 40125, may specify alternate port with the '-p' flag.
4A. Expects ICMP Code 14 reply, indicates host is available.
5A. Expects ICMP Code 18 reply, indicates host is available.
6A. Includes, OS detection, version scans, script scans, and tracer oute.

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