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[kali㉿kali)-[~]
$ sudo nmap -sV 192.168.1.1
[sudo] password for kali:
Starting Nmap 7.95 ( https://nmap.org ) at 2025-12-08 20:34 EST
Stats: 0:00:19 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Service scan Timing: About 66.67% done; ETC: 20:34 (0:00:07 remaining)
Nmap scan report for 192.168.1.1
Host is up (0.0037s latency).
Not shown: 997 filtered tcp ports (no-response)
PORT      STATE SERVICE VERSION
53/tcp    open  domain  dnsmasq 2.84rc2
80/tcp    open  http   mini_httpd 1.30 26Oct2018
443/tcp   open  ssl/http mini_httpd 1.30 26Oct2018

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 21.92 seconds

[kali㉿kali)-[~]
$ sudo nmap -O 192.168.1.1
Starting Nmap 7.95 ( https://nmap.org ) at 2025-12-08 20:35 EST
Nmap scan report for 192.168.1.1
Host is up (0.0068s latency).
Not shown: 997 filtered tcp ports (no-response)
PORT      STATE SERVICE
53/tcp    open  domain
80/tcp    open  http
443/tcp   open  https
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Device type: bridge|VoIP adapter|general purpose
Running (JUST GUESSING): Oracle Virtualbox (98%), Slirp (98%), AT&T embedded (95%), QEMU (94%)
OS CPE: cpe:/o:oracle:virtualbox cpe:/a:danny_gasparovski:slirp cpe:/a:qemu:qemu
Aggressive OS guesses: Oracle Virtualbox Slirp NAT bridge (98%), AT&T BGW210 voice gateway (95%), QEMU user mode network gateway (94%)
No exact OS matches for host (test conditions non-ideal).

OS detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 10.07 seconds
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(kali㉿kali)-[~]
└─$ sudo nmap -A 192.168.1.1
[sudo] password for kali:
Starting Nmap 7.95 ( https://nmap.org ) at 2025-12-08 20:35 EST
Nmap scan report for 192.168.1.1
Host is up (0.0011s latency).
Not shown: 997 filtered tcp ports (no-response)
PORT      STATE SERVICE VERSION
53/tcp    open  domain  dnsmasq 2.84rc2
| dns-nsid:
|_ bind.version: dnsmasq-2.84rc2
80/tcp    open  http    mini_httpd 1.30 26Oct2018
|_http-title: Site doesn't have a title (text/html;charset=UTF-8).
443/tcp   open  ssl/http mini_httpd 1.30 26Oct2018
|_ssl-date: TLS randomness does not represent time
|_http-title: Site doesn't have a title (text/html;charset=UTF-8).
| ssl-cert: Subject: commonName=MitraStar_CERT/organizationName=MitraStar/stateOrProvinceName=XZ/countryName=TW
| Not valid before: 2016-10-11T07:15:31
| Not valid after:  2036-10-06T07:15:31
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Device type: bridge|VoIP adapter|general purpose
Running (JUST GUESSING): Oracle Virtualbox (98%), Slirp (98%), AT&T embedded (94%), QEMU (93%)
OS CPE: cpe:/o:oracle:virtualbox cpe:/a:danny_gasparovskis:slirp cpe:/a:qemu:qemu
Aggressive OS guesses: Oracle Virtualbox Slirp NAT bridge (98%), AT&T BGW210 voice gateway (94%), QEMU user mode net work gateway (93%)
No exact OS matches for host (test conditions non-ideal).
Network Distance: 1 hop

TRACEROUTE (using port 80/tcp)
HOP RTT      ADDRESS
1  0.67 ms  192.168.1.1

OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/. 
Nmap done: 1 IP address (1 host up) scanned in 32.92 seconds
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