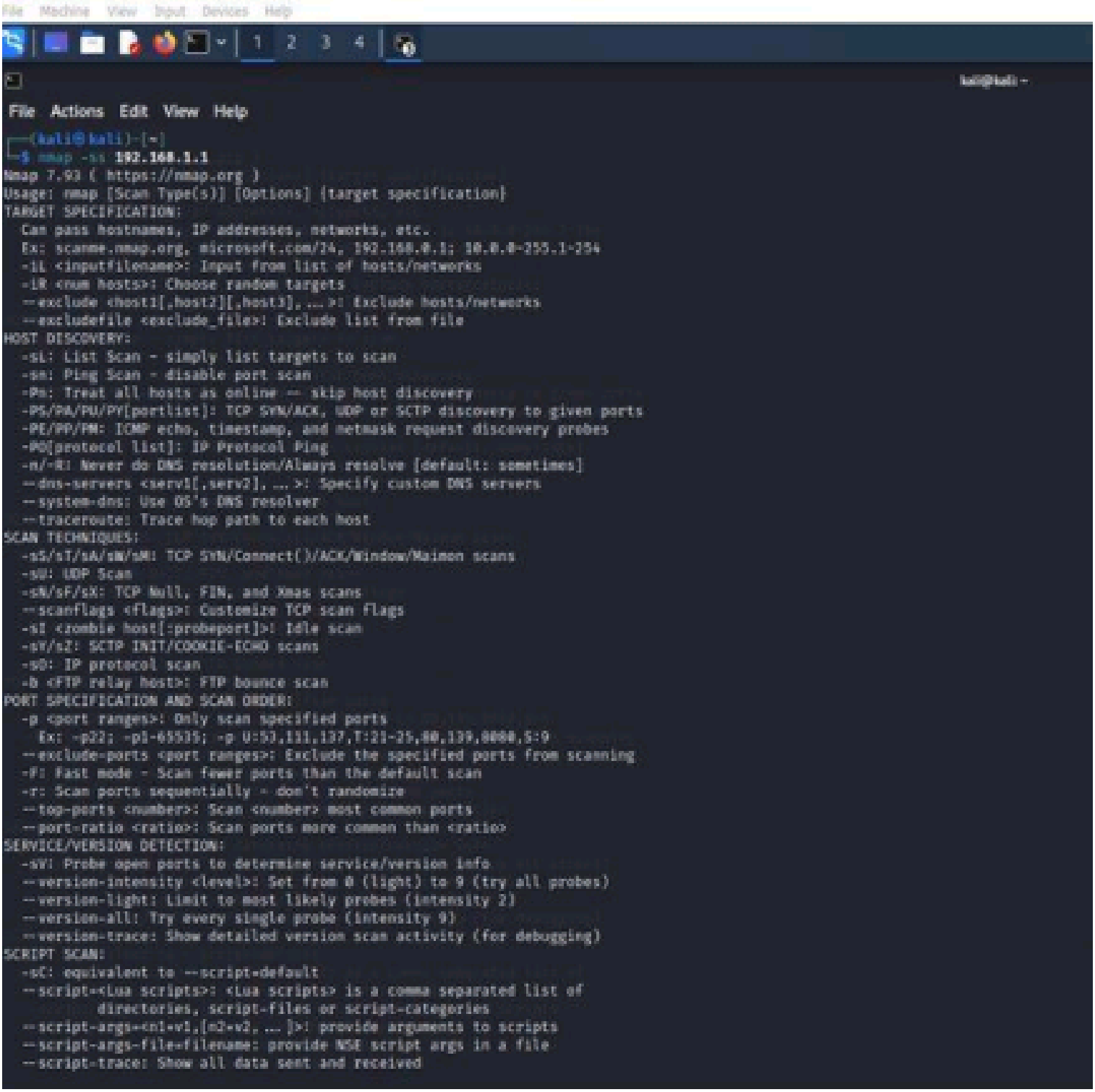
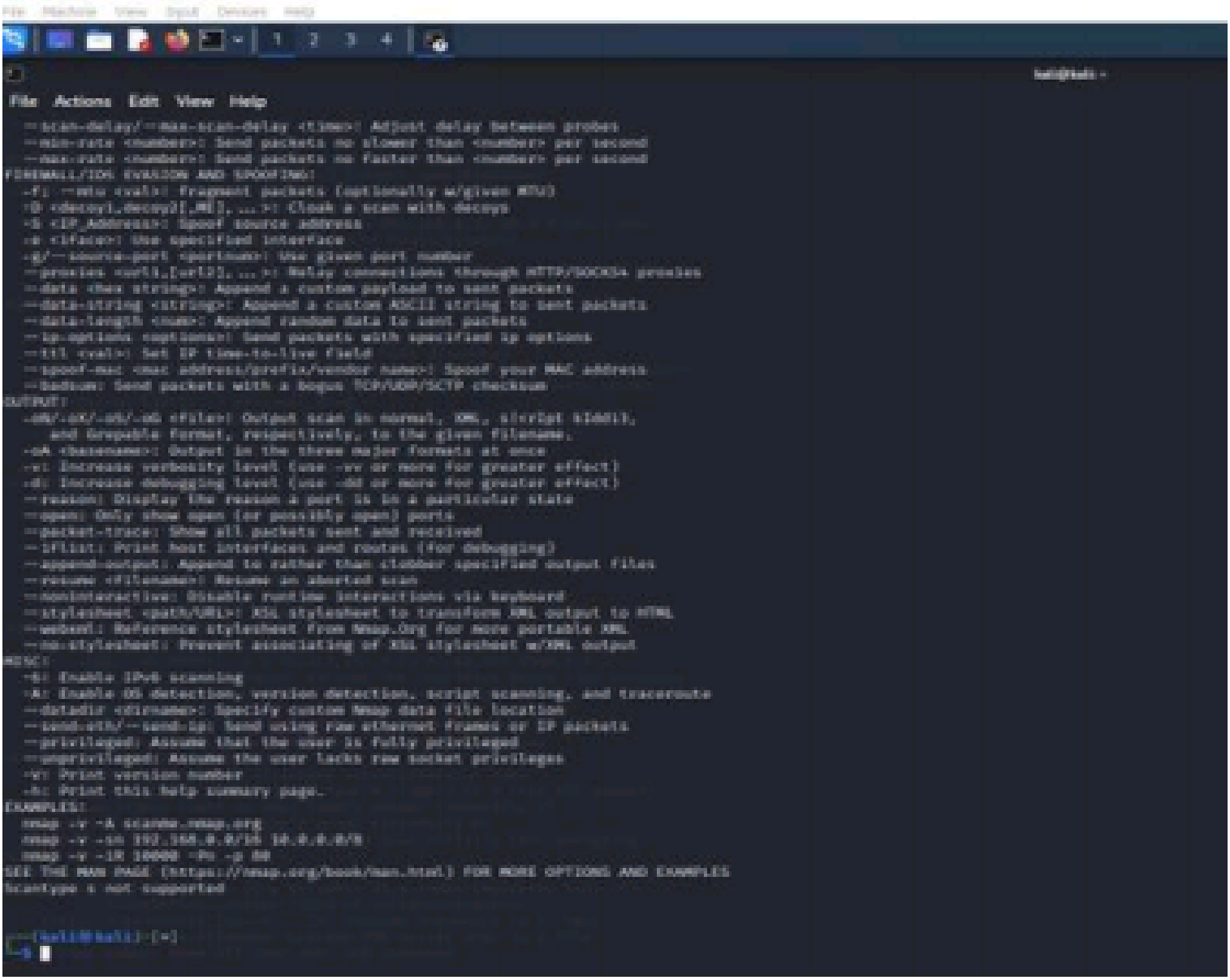

File Machine View Input Devices Help
1 2 3 4
kali@kali: ~
File Actions Edit View Help
(kali㉿kali)-[~]
$ nmap -sS 192.168.1.1
Nmap 7.93 (https://nmap.org)
Usage: nmap [Scan Type(s)] [Options] {target specification}
TARGET SPECIFICATION:
Can pass hostnames, IP addresses, networks, etc.
Ex: scanme.nmap.org, microsoft.com/24, 192.168.0.1; 10.0.0-255.1-254
-iL <inputfilename>: Input from list of hosts/networks
-iR <num hosts>: Choose random targets
--exclude <host1[,host2][,host3],...>: Exclude hosts/networks
--excludefile <exclude_file>: Exclude list from file
HOST DISCOVERY:
-sL: List Scan - simply list targets to scan
-sn: Ping Scan - disable port scan
-Pn: Treat all hosts as online -- skip host discovery
-PS/PA/PU/PY[portlist]: TCP SYN/ACK, UDP or SCTP discovery to given ports
-PE/PP/PM: ICMP echo, timestamp, and netmask request discovery probes
-PO[protocol list]: IP Protocol Ping
-n/-R: Never do DNS resolution/Always resolve [default: sometimes]
--dns-servers <serv1[,serv2],...>: Specify custom DNS servers
--system-dns: Use OS's DNS resolver
--traceroute: Trace hop path to each host
SCAN TECHNIQUES:
-sS/sT/sA/sW/sM: TCP SYN/Connect()/ACK/Window/Maimon scans
-sU: UDP Scan
-sN/sF/sX: TCP Null, FIN, and Xmas scans
--scanflags <flags>: Customize TCP scan flags
-sI <zombie host[:probeport]>: Idle scan
-sY/sZ: SCTP INIT/COOKIE-ECHO scans
-sO: IP protocol scan
-b <FTP relay host>: FTP bounce scan
PORT SPECIFICATION AND SCAN ORDER:
-p <port ranges>: Only scan specified ports
Ex: -p22; -p1-65535; -p U:53,111,137,T:21-25,80,139,8080,S:9
--exclude-ports <port ranges>: Exclude the specified ports from scanning
-F: Fast mode - Scan fewer ports than the default scan
-r: Scan ports sequentially - don't randomize
--top-ports <number>: Scan <number> most common ports
--port-ratio <ratio>: Scan ports more common than <ratio>
SERVICE/VERSION DETECTION:
-sV: Probe open ports to determine service/version info
--version-intensity <level>: Set from 0 (light) to 9 (try all probes)
--version-light: Limit to most likely probes (intensity 2)
--version-all: Try every single probe (intensity 9)
--version-trace: Show detailed version scan activity (for debugging)
SCRIPT SCAN:
-sC: equivalent to --script=default
--script=<Lua scripts>: <Lua scripts> is a comma separated list of
directories, script-files or script-categories
--script-args=<n1=v1,[n2=v2,...]>: provide arguments to scripts
--script-args-file=filename: provide NSE script args in a file
--script-trace: Show all data sent and received


File Actions Edit View Help
--scan-delay/--max-scan-delay <time>: Adjust delay between probes
--min-rate <number>: Send packets no slower than <number> per second
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FIREWALL/IDS EVASION AND SPOOFING:
-f; --mtu <val>: Fragment packets (optionally w/given MTU)
-D <decoy1,decoy2[,ME],...>: Cloak a scan with decoys
-S <IP_Address>: Spoof source address
-e <iface>: Use specified interface
-g/--source-port <portnum>: Use given port number
--proxies <url1,[url2],...>: Relay connections through HTTP/SOCKS4 proxies
--data <hex string>: Append a custom payload to sent packets
--data-string <string>: Append a custom ASCII string to sent packets
--data-length <num>: Append random data to sent packets
--ip-options <options>: Send packets with specified ip options
--ttl <val>: Set IP time-to-live field
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OUTPUT:
-oN/-oX/-oS/-oG <file>: Output scan in normal, XML, s|<rIpt kIdd3, and Grepable format, respectively, to the given filename.
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--reason: Display the reason a port is in a particular state
--open: Only show open (or possibly open) ports
--packet-trace: Show all packets sent and received
--iflist: Print host interfaces and routes (for debugging)
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MISC:
-6: Enable IPv6 scanning
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--datadir <dirname>: Specify custom Nmap data file location
--send-eth/--send-ip: Send using raw ethernet frames or IP packets
--privileged: Assume that the user is fully privileged
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-V: Print version number
-h: Print this help summary page.
EXAMPLES:
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nmap -v -sn 192.168.0.0/16 10.0.0.0/8
nmap -v -iR 10000 -Pn -p 80
SEE THE MAN PAGE (https://nmap.org/book/man.html) FOR MORE OPTIONS AND EXAMPLES
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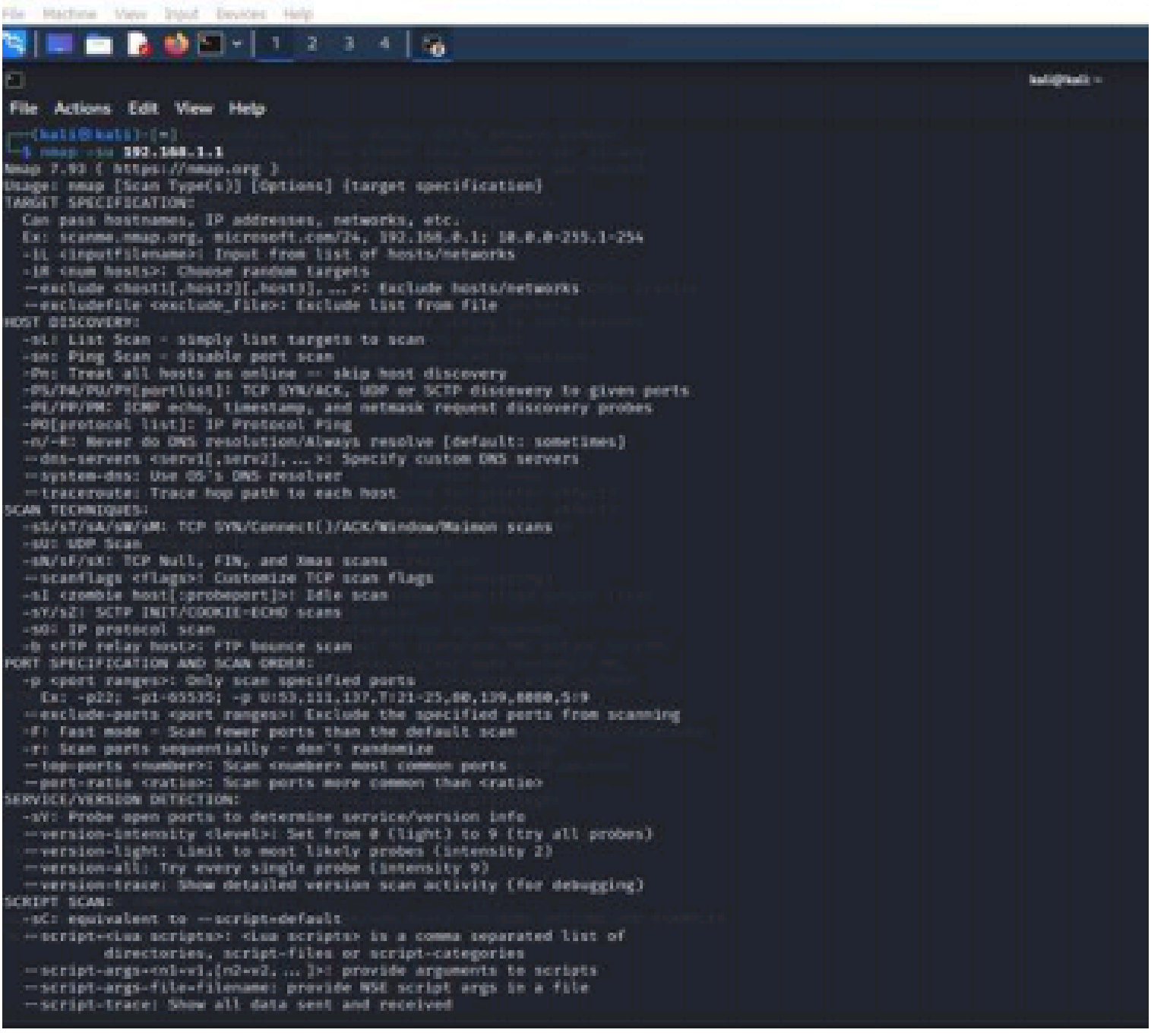
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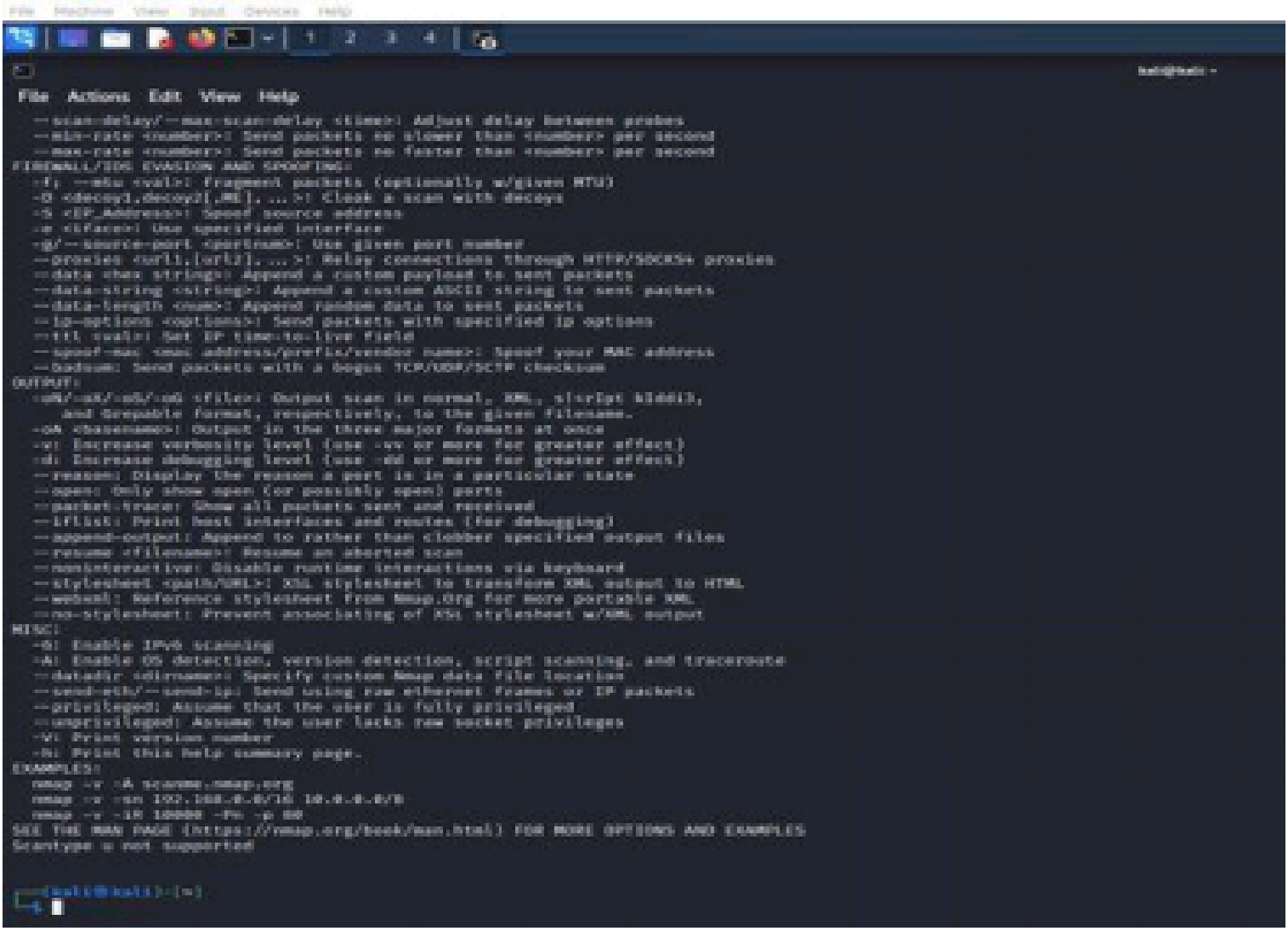
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EXAMPLES:
nmap -v -A scanme.nmap.org
nmap -v -sn 192.168.0.0/16 10.0.0.0/8
nmap -v -iR 10000 -Pn -p 80
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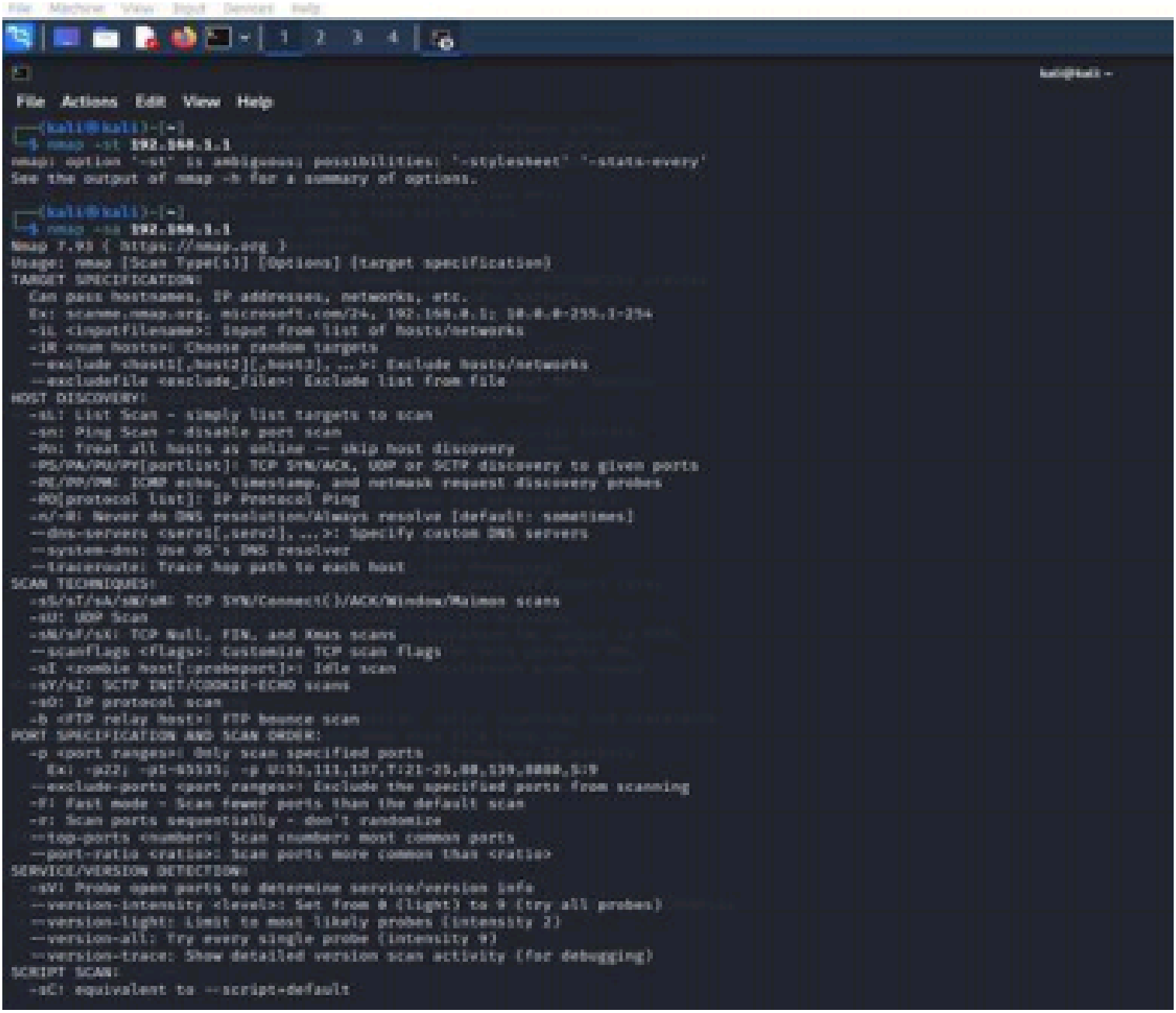
File Machine View Input Devices Help
1 2 3 4
kali@kali: ~
File Actions Edit View Help
┌──(kali㉿kali)-[~]
└─$ nmap -st 192.168.1.1
nmap: option '-st' is ambiguous; possibilities: '-stylesheet' '-stats-every'
See the output of nmap -h for a summary of options.
┌──(kali㉿kali)-[~]
└─$ nmap -sS 192.168.1.1
Nmap 7.93 (https://nmap.org)
Usage: nmap [Scan Type(s)] [Options] {target specification}
TARGET SPECIFICATION:
Can pass hostnames, IP addresses, networks, etc.
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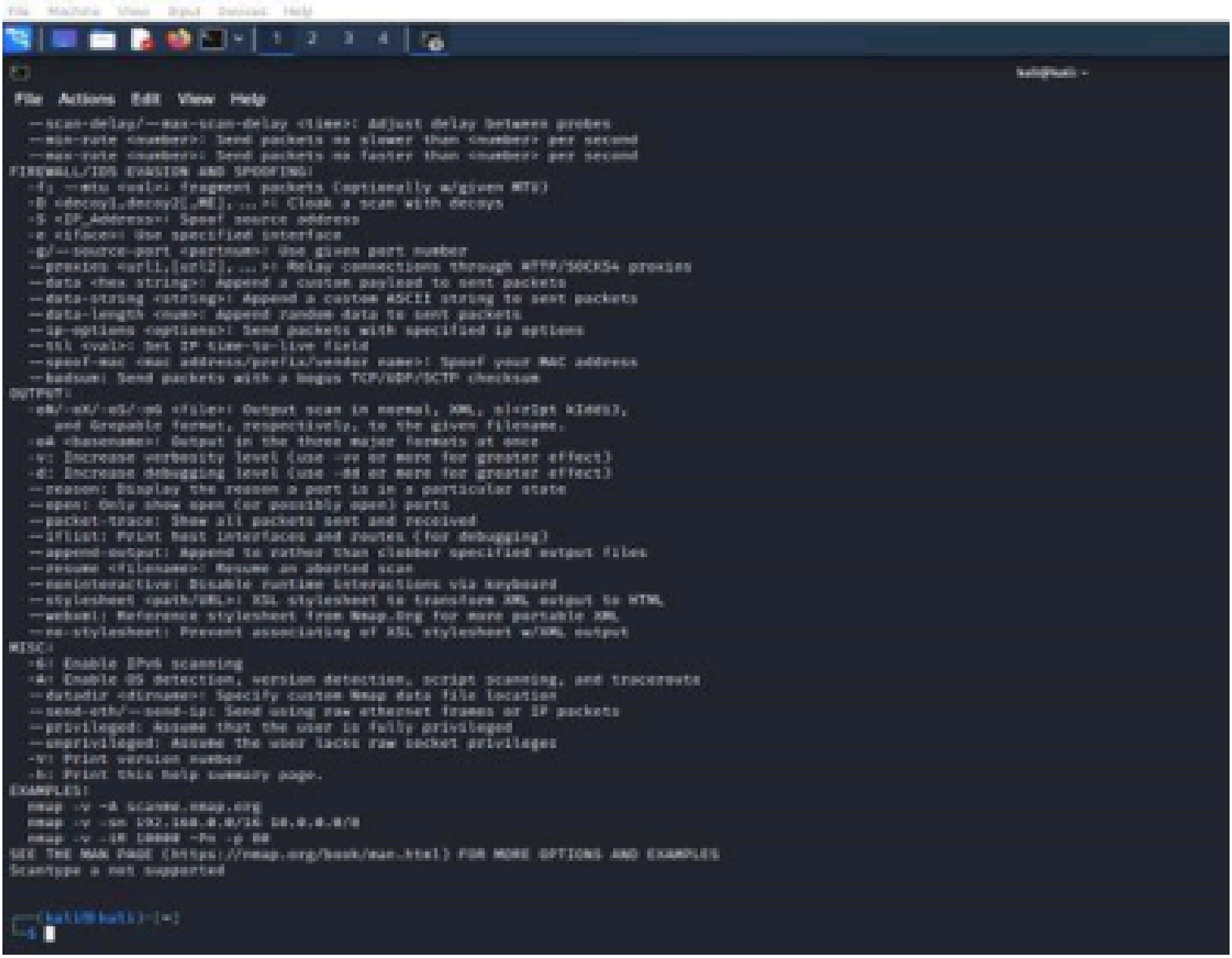
SCRIPT SCAN:
-sC: equivalent to --script=default


File Machine View Input Devices Help
1 2 3 4
File Actions Edit View Help
--scan-delay/--max-scan-delay <time>: Adjust delay between probes
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--proxies <url1,[url2],...>: Relay connections through HTTP/SOCKS4 proxies
--data <hex string>: Append a custom payload to sent packets
--data-string <string>: Append a custom ASCII string to sent packets
--data-length <num>: Append random data to sent packets
--ip-options <options>: Send packets with specified ip options
--ttl <val>: Set IP time-to-live field
--spoof-mac <mac address/prefix/vendor name>: Spoof your MAC address
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--webxml: Reference stylesheet from Nmap.Org for more portable XML
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MISC:
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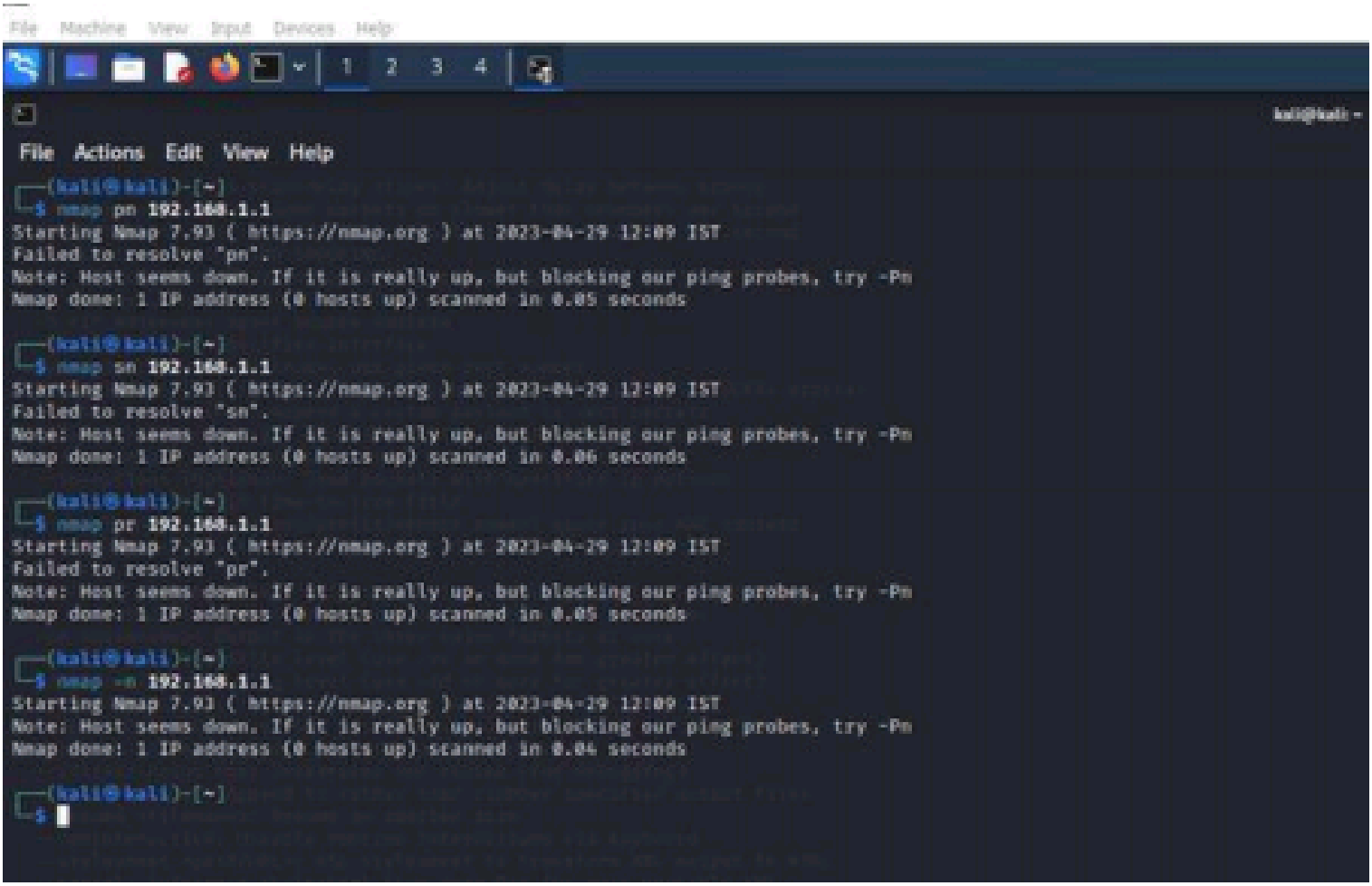
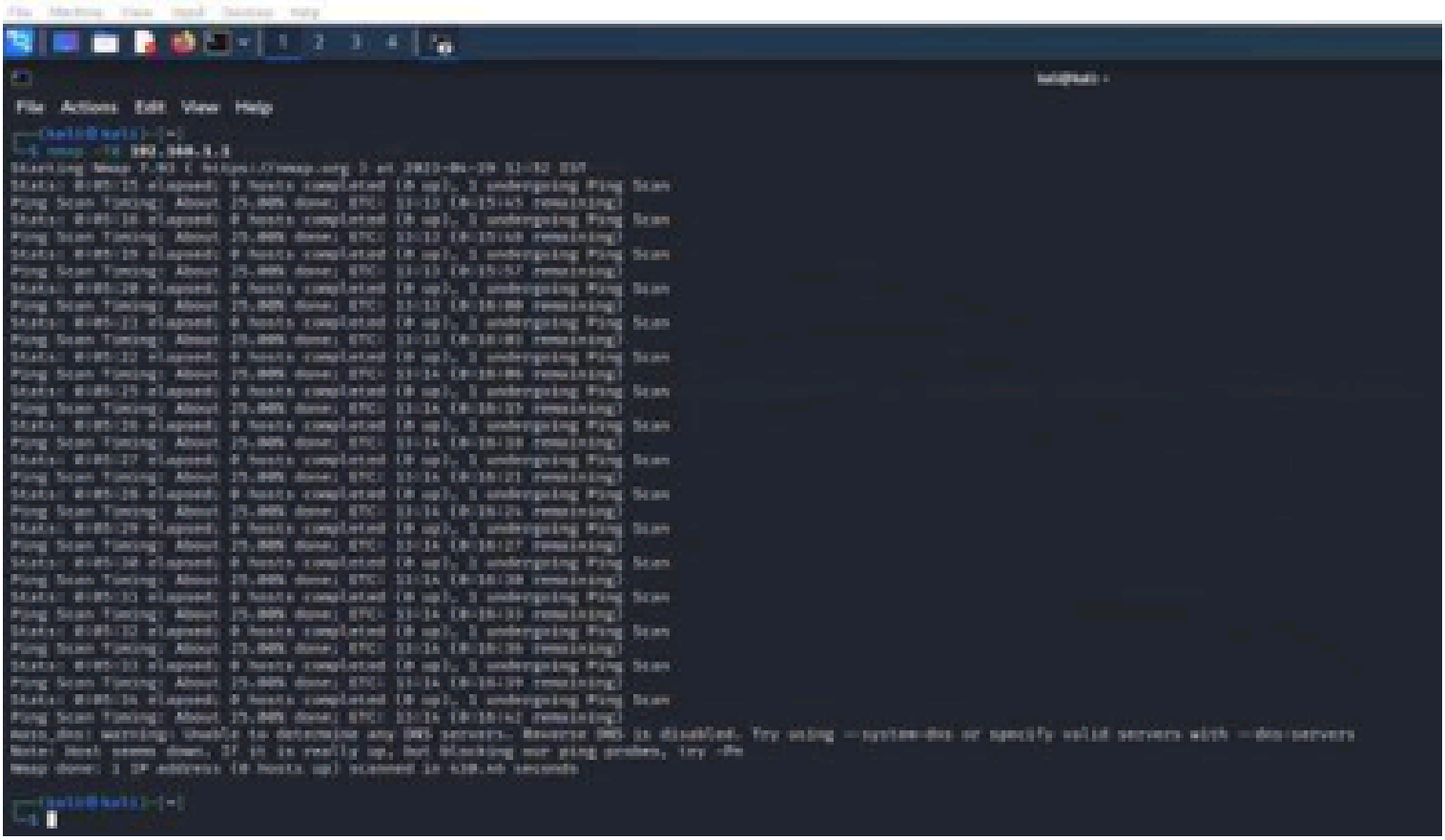
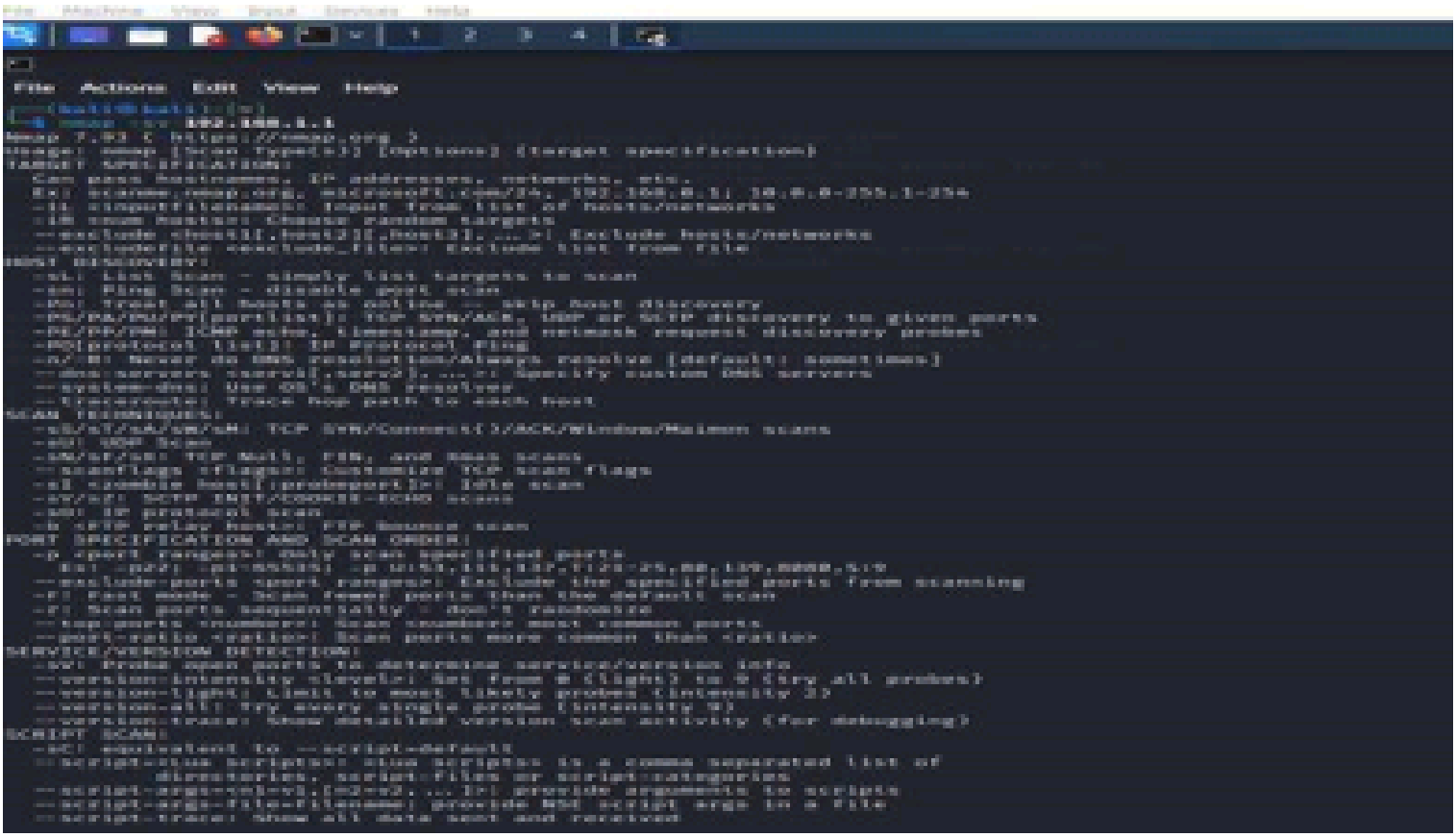
--send-eth/--send-ip: Send using raw ethernet frames or IP packets
--privileged: Assume that the user is fully privileged
--unprivileged: Assume the user lacks raw socket privileges
-V: Print version number
-h: Print this help summary page.
EXAMPLES:
nmap -v -A scanme.nmap.org
nmap -v -sn 192.168.0.0/16 10.0.0.0/8
nmap -v -iR 10000 -Pn -p 80
SEE THE MAN PAGE (https://nmap.org/book/man.html) FOR MORE OPTIONS AND EXAMPLES
Scantype a not supported


File Machine View Input Devices Help
1 2 3 4
kali@kali: ~
File Actions Edit View Help
(kali㉿kali)-[~]
$ nmap pn 192.168.1.1
Starting Nmap 7.93 (https://nmap.org) at 2023-04-29 12:09 IST
Failed to resolve "pn".
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 0.05 seconds
(kali㉿kali)-[~]
$ nmap sn 192.168.1.1
Starting Nmap 7.93 (https://nmap.org) at 2023-04-29 12:09 IST
Failed to resolve "sn".
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 0.06 seconds
(kali㉿kali)-[~]
$ nmap pr 192.168.1.1
Starting Nmap 7.93 (https://nmap.org) at 2023-04-29 12:09 IST
Failed to resolve "pr".
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 0.05 seconds
(kali㉿kali)-[~]
$ nmap -n 192.168.1.1
Starting Nmap 7.93 (https://nmap.org) at 2023-04-29 12:09 IST
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 0.04 seconds
(kali㉿kali)-[~]
$


File Actions Edit View Help
nmap -v 192.168.0.1
Starting Nmap 7.93 (https://nmap.org) at 2023-04-29 11:32 EDT
Initiating Ping Scan at 11:32
Scanning 192.168.0.1 [4 ports]
Completed Ping Scan at 11:32, 0.00s elapsed (1 total hosts)
Nmap scan report for 192.168.0.1 [host down]
Read data files from: /usr/bin/../share/nmap
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 0.08 seconds
Raw packets sent: 0 (0B) | Rcvd: 0 (0B)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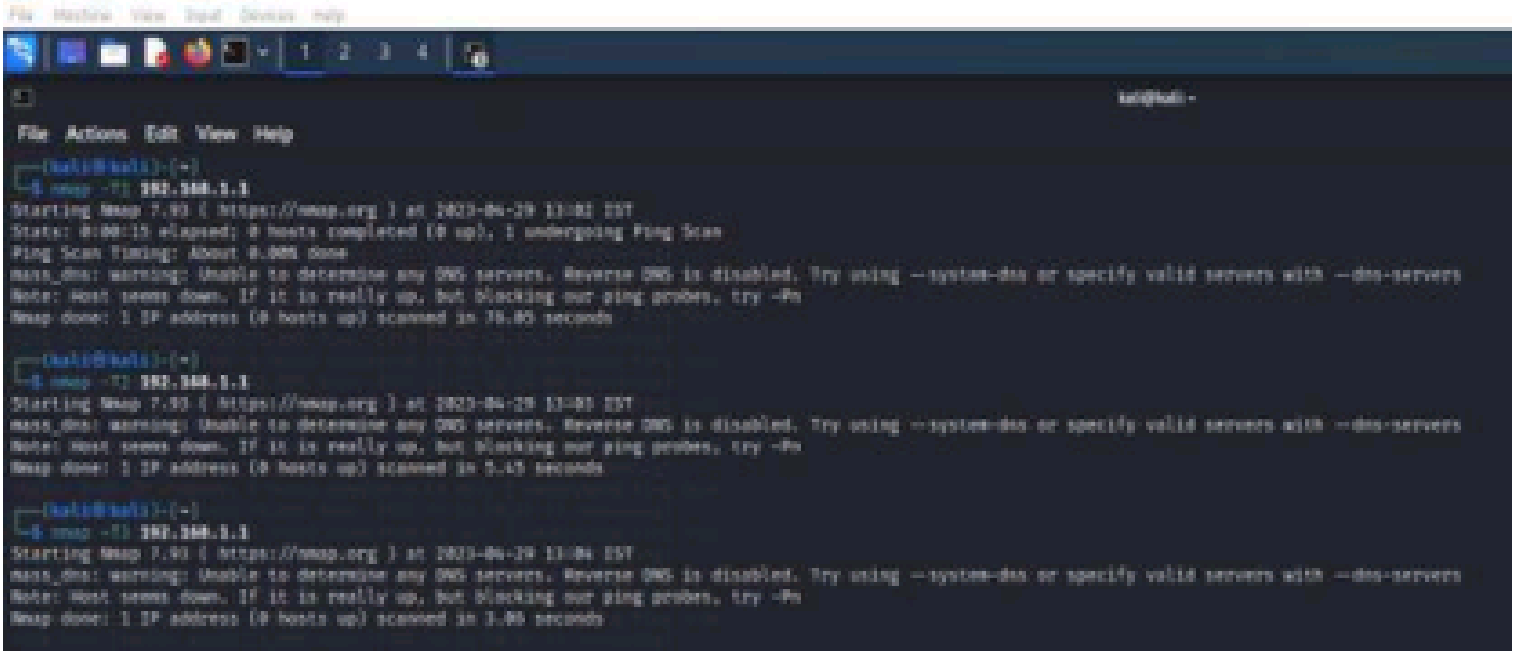
--script-args-file=filename: provide NSE script args in a file
--script-trace: Show all data sent and received


File Machine View Input Devices Help
1 2 3 4
kali@kali: ~
File Actions Edit View Help
┌──(kali㉿kali)-[~]
└─$ nmap -T1 192.168.1.1
Starting Nmap 7.93 (https://nmap.org) at 2023-04-29 13:02 IST
Stats: 0:00:15 elapsed; 0 hosts completed (0 up), 1 undergoing Ping Scan
Ping Scan Timing: About 0.00% done
mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --system-dns or specify valid servers with --dns-servers
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 76.05 seconds
┌──(kali㉿kali)-[~]
└─$ nmap -T1 192.168.1.1
Starting Nmap 7.93 (https://nmap.org) at 2023-04-29 13:03 IST
mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --system-dns or specify valid servers with --dns-servers
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 5.45 seconds
┌──(kali㉿kali)-[~]
└─$ nmap -T1 192.168.1.1
Starting Nmap 7.93 (https://nmap.org) at 2023-04-29 13:04 IST
mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --system-dns or specify valid servers with --dns-servers
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.86 seconds