

00 00000000 00000000 : (00000 00000 0000) **CEH** 000000  
00000000 0000000000 00 00000000000000 0 000000



00 0000 00000000 00000000 000000 00000000 0000 00000 00000 00 000000 00000000 00000000 000000 00 000000  
0000 00000000 0 00000 00000 00 00000 00000000 00 0000 0000 000000 00000 00 00000 00000000 0 0000 0000000000  
00000 00000 00000000 000000 .00000000 00000000 UDP 00 00000 00000 0 TCP 00 0000000000 0000 00 000000 .000000  
0000 000000 00 00000000 0000 00000 0000000000 UDP 0 TCP 000000000000 00 00000000 00 00000000 00000 65 00000000  
00000000 00000000 00000 0000000000 000000 0000 0000 000000 1024 0000 000000 00000 .0000000000 00 0000  
.00000000 00000000 00000 00 00000 00000000000 000000 00 000000

.00000 00000 000000 **CEH** 00000 00000000 000000 00000 0000 000000 00000

00000 00000000 00000000

00 0000 00000000 00000000 00000 00000000 0000 00000 00000 00 000000 00000000 000000 000000 00 000000  
0000 00000000 0 00000 00000 00 00000 00000000 00 0000 0000 000000 00000 00 00000 00000000 0 0000 0000000000  
00 Whois 000000 00000 00 0000 0000000000 00000 0 000000000 0000 00 00 00000000 00000 0000 0000 .000000  
000000 000000 00 .00000 000000 00 00000 000000 0000000000 000000 0000 00 00000000 00000 <https://www.arin.net>  
:00000000 00000000 00 0000 0000000000 00000 00000 ARIN Whois 00000 192.17.170.17 00000 0000

OrgName: target network

OrgID: Target-2

Address: 1313 Mockingbird Road

City: Anytown

StateProv: Tx

PostalCode: 72341

Country: US

ReferralServer: rwhois://rwhois.exodus.net:4321/

NetRange: 192.17.12.0 - 192.17.12.255

CIDR: 192.17.0.0/24

NetName: SAVVIS

NetHandle: NET-192-17-12-0-1

Parent: NET-192-0-0-0-0

.....  
.....  
..... traceroute .....

## Mapping Networks

.....  
.....  
..... (subnetting)  
..... C A B  
.....  
..... 255.255.255.0 ..... 192.168.5.0 C  
.....

192.168.5.0 - 11001100.10101000.00000101.00000000

255.255.255.224 - 11111111.11111111.11111111.11100000

-----|subnet|----

..... 3 ..... 255.255.255.224 ..... 255.255.255.0 .....  
..... 3 .....  
..... 32 ..... 5 .....  
.....

Subnet

Host Range

192.168.5.0 255.255.255.224

host address range 1 to 30

192.168.5.32	255.255.255.224	host address range 33 to 62
192.168.5.64	255.255.255.224	host address range 65 to 94
192.168.5.96	255.255.255.224	host address range 97 to 126
192.168.5.128	255.255.255.224	host address range 129 to 158
192.168.5.160	255.255.255.224	host address range 161 to 190
192.168.5.192	255.255.255.224	host address range 193 to 222
192.168.5.224	255.255.255.224	host address range 225 to 254

192.168.5.32 255.255.255.224 host address range 33 to 62  
 192.168.5.64 255.255.255.224 host address range 65 to 94  
 192.168.5.96 255.255.255.224 host address range 97 to 126  
 192.168.5.128 255.255.255.224 host address range 129 to 158  
 192.168.5.160 255.255.255.224 host address range 161 to 190  
 192.168.5.192 255.255.255.224 host address range 193 to 222  
 192.168.5.224 255.255.255.224 host address range 225 to 254

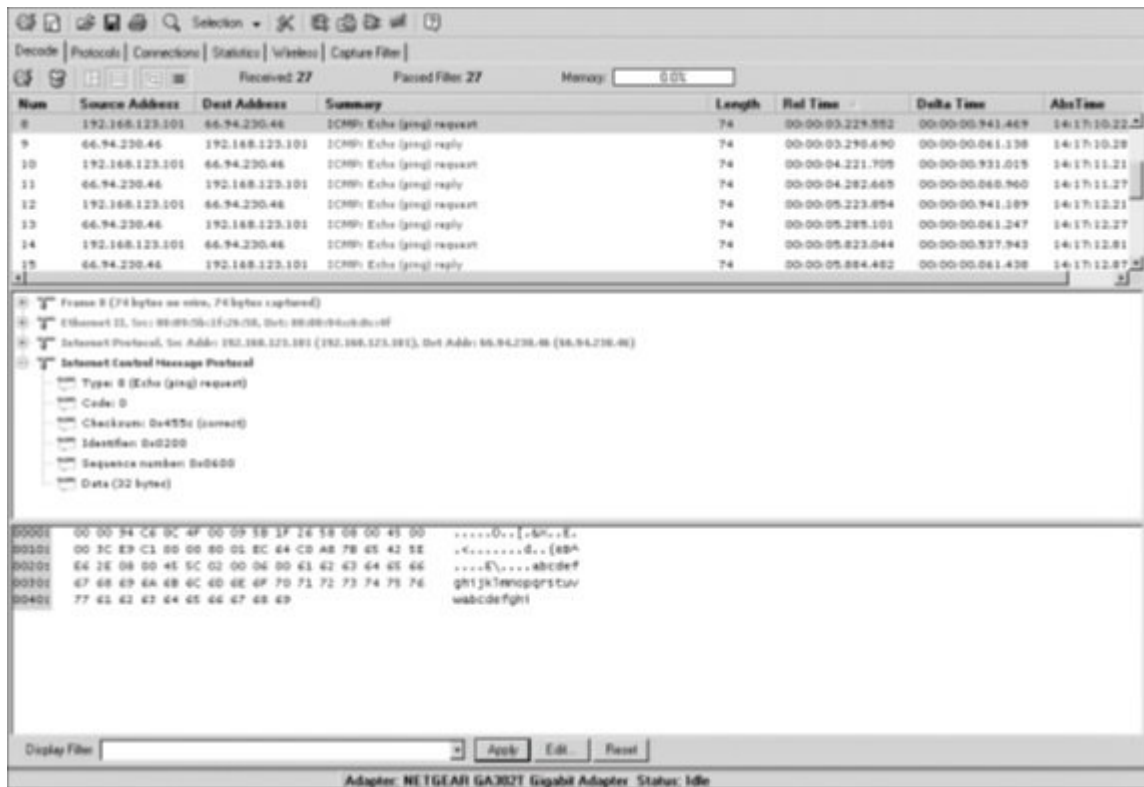
## Traceroute

Traceroute is a network diagnostic tool for tracing the path of IP packets from a source to a destination. It is used to identify network congestion, routing loops, and other network issues. Traceroute works by sending a series of packets to the destination, each with a different Time-to-Live (TTL) value. The TTL value is decremented by one at each hop, and the packet is dropped when it reaches zero. The destination of the packet is the next hop, and the process repeats until the destination is reached. Traceroute can be used to identify network congestion, routing loops, and other network issues. Traceroute can be used to identify network congestion, routing loops, and other network issues. Traceroute can be used to identify network congestion, routing loops, and other network issues.

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ping sweep tool is a network utility that sends ICMP echo requests (ping) to a range of IP addresses to check if they are alive. It is commonly used for network troubleshooting and security scanning. The tool can be implemented using various programming languages and frameworks, including Python, C#, and PowerShell. The following table lists some popular ping sweep tools and their features:



ping sweep tools can be used for various purposes, including network discovery, vulnerability assessment, and security testing. However, it is important to use these tools responsibly and only on networks you have permission to scan. The following are some common uses for ping sweep tools:

- Network discovery: Identifying active hosts on a network.
- Vulnerability assessment: Identifying hosts that are vulnerable to specific attacks.
- Security testing: Testing the security of a network or system.

- Angry IP Scanner: <http://angryip.org/>
- Hping: <http://www.hping.org/>
- WS\_Ping ProPack: <https://ws-ping-propack.en.softonic.com/>
- SuperScan: <http://www.mcafee.com/us/downloads/free-tools/superscan.aspx>
- Nmap: <https://nmap.org/>

### Network Security Tools

Network security tools are used to protect networks from unauthorized access, data loss, and other security threats. These tools can be used for various purposes, including network monitoring, intrusion detection, and security auditing. The following are some common network security tools:

- Intrusion Detection System (IDS): A system that monitors network traffic for signs of malicious activity.
- Intrusion Prevention System (IPS): A system that monitors network traffic and automatically blocks malicious activity.
- Network Security Scanner: A tool that scans a network for vulnerabilities and security weaknesses.
- Network Traffic Analyzer (NTA): A tool that analyzes network traffic to identify security threats and anomalies.



:رابطه ارتباطی

.SYN: ارتباطی برقرار می‌گردد و ارتباطی برقرار می‌گردد

.ACK: ارتباطی برقرار می‌گردد و ارتباطی برقرار می‌گردد

.FIN: ارتباطی برقرار می‌گردد و ارتباطی برقرار می‌گردد

.RST: ارتباطی برقرار می‌گردد و ارتباطی برقرار می‌گردد

.PSH: ارتباطی برقرار می‌گردد و ارتباطی برقرار می‌گردد 1

URG: ارتباطی برقرار می‌گردد و ارتباطی برقرار می‌گردد 1  
.Urgent: ارتباطی برقرار می‌گردد و ارتباطی برقرار می‌گردد 0

.TCP: ارتباطی برقرار می‌گردد و ارتباطی برقرار می‌گردد

.1: FIN / ACK: ارتباطی برقرار می‌گردد و ارتباطی برقرار می‌گردد

.2: ACK: ارتباطی برقرار می‌گردد و ارتباطی برقرار می‌گردد

.3: FIN/ACK: ارتباطی برقرار می‌گردد و ارتباطی برقرار می‌گردد  
. ارتباطی برقرار می‌گردد و ارتباطی برقرار می‌گردد

-4: ACK: ارتباطی برقرار می‌گردد و ارتباطی برقرار می‌گردد

. ارتباطی برقرار می‌گردد و ارتباطی برقرار می‌گردد

:رابطه ارتباطی **CEH** ارتباطی برقرار می‌گردد و ارتباطی برقرار می‌گردد

[CEH](#) ارتباطی برقرار می‌گردد و ارتباطی برقرار می‌گردد

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10:40 - 28/12/1398

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<https://www.shabakeh-mag.com/security/16682/%D8%A2%D9%85%D9%88%D8%B2%D8%B4-c:eh-%D9%87%DA%A9%D8%B1-%DA%A9%D9%84%D8%A7%D9%87-%D8%B3%D9%81%DB%8C%D8%AF-%DA%86%DA%AF%D9%88%D9%86%D9%87-%D9%85%D8%AD%D8%AF%D9%88%D8%AF%D9%87-%DB%8C%DA%A9-%D8%B4%D8%A8%DA%A9%D9%87-%D9%88-%D8%B2%DB%8C%D8%B1%D8%B4%D8%A8%DA%A9%D9%87%E2%80%8C%D9%87%D8%A7-%D8%B1%D8%A7-%D8%B4%D9%86%D8%A7%D8%B3%D8%A7%DB%8C%DB%8C-%DA%A9%D9%86%DB%8C%D9%85%D8%9F>