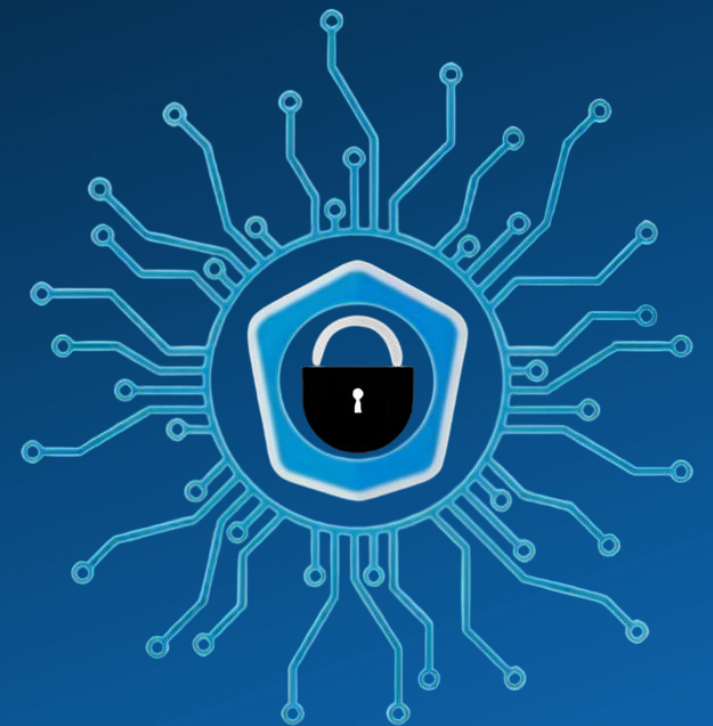


# **NETASK CHALLENGE WALKTHROUGH**

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**BZU - CSC**

Welcome to **NetAsk** Challenge , a simple challenge where you connect with **netcat** and answer a series of network-related questions. You'll be asked about things like ports, IPs, and protocols. If you get all the answers right, you'll earn the flag. But if you mess up even once... you get nothing :)







First, we need to connect to the server using the following command:

**nc <Desination\_IP> 1337**

Replace the **<Desination\_IP>** with the IP address of the server running the challenge.

```
(root@kali)-[/home/kali/OurCTF/Network/Network-CTF-Challenge1]  
# nc 192.168.1.100 1337
```

Welcome to the Networking Quiz!

Which protocol is used for secure web traffic? (one word)

**Answer:** HTTPS

**Explanation:** HTTPS (HyperText Transfer Protocol Secure) is the protocol used for secure communication over the web. It encrypts data using TLS (formerly SSL), ensuring that information like passwords and personal data is protected during transmission.



```
(root@kali)-[/home/kali/OurCTF/Network/Network-CTF-Challenge1]  
# nc 192.168.14.132 1337
```

Welcome to the Networking Quiz!

Which protocol is used for secure web traffic? (one word)  
https

What tool is commonly used for packet capture? (one word)

■

**Answer:** Wireshark

**Explanation:** Wireshark is a popular network analysis tool used for capturing and inspecting packets in real time. It allows users to see the details of network traffic, including protocols, IPs, ports, and payloads, making it invaluable for troubleshooting and security analysis.



```
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# nc 192.168.14.132 1337
```

Welcome to the Networking Quiz!

Which protocol is used for secure web traffic? (one word)  
https

What tool is commonly used for packet capture? (one word)  
wireshark

Which attack poisons the ARP cache? (one word)

**Answer:** ARPspooF

**Explanation:** ARP spoofing (or ARP poisoning) is an attack where a malicious actor sends fake ARP (Address Resolution Protocol) messages on a network. This tricks devices into associating the attacker's MAC address with the IP address of another device, allowing the attacker to intercept, modify, or block traffic.

```
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```

Welcome to the Networking Quiz!

Which protocol is used for secure web traffic? (one word)  
https

What tool is commonly used for packet capture? (one word)  
wireshark

Which attack poisons the ARP cache? (one word)  
arpspoof

Which protocol resolves domain names? (one word)

■

**Answer:** DNS

**Explanation:** DNS (Domain Name System) is the protocol used to resolve human-readable domain names (like example.com) into IP addresses that computers use to communicate. It's essentially the phonebook of the internet.



```
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# nc 192.168.14.132 1337
```

Welcome to the Networking Quiz!

Which protocol is used for secure web traffic? (one word)  
https

What tool is commonly used for packet capture? (one word)  
wireshark

Which attack poisons the ARP cache? (one word)  
arpspoof

Which protocol resolves domain names? (one word)  
dns

Which layer of the OSI model does IP operate on? (one word)

█

**Answer:** Network

**Explanation:** IP (Internet Protocol) operates at the Network layer (Layer 3) of the OSI model. This layer is responsible for logical addressing, routing, and forwarding of packets across networks.

And if all answered correctly, you get the flag 😊

```
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# nc 192.168.14.132 1337
```

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Which protocol is used for secure web traffic? (one word)  
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arpspoof

Which protocol resolves domain names? (one word)  
dns

Which layer of the OSI model does IP operate on? (one word)  
network

All correct! Here is your flag: CSC{w3ll\_d0n3\_y0u\_kn0w\_y0ur\_n37w0rk1ng}