Network Fundamentals

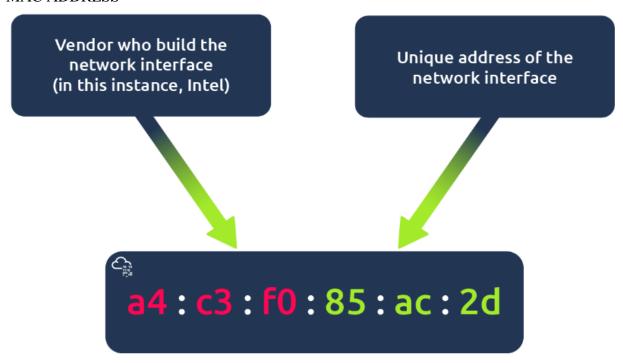## What is Networking?

Task 1:

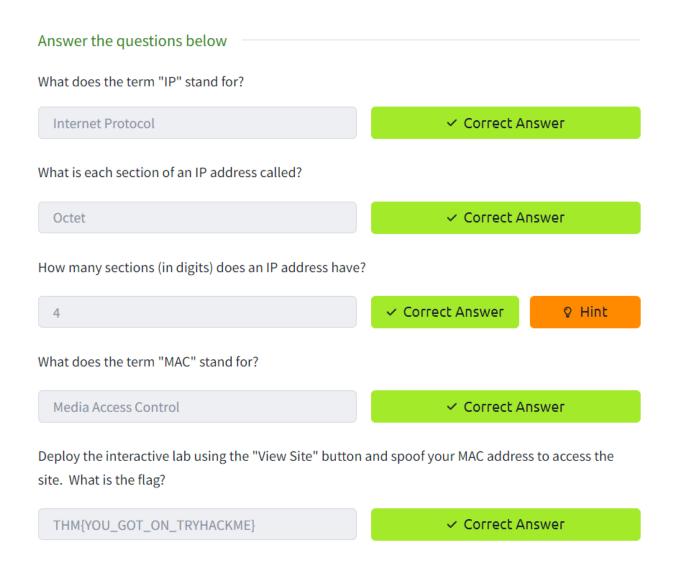What is the key term for devices that are connected together?

Network	✓ Correct Answer

Task 2:

Who invented the World Wide Web?

Tim Berners-Lee	✓ Correct Answer	♀ Hint

Task 3:

MAC ADDRESS

Vendor who build the network interface (in this instance, Intel)

Unique address of the network interface

a4 : c3 : f0 : 85 : ac : 2d

owever, an interesting thing with MAC addresses is that they can be faked or "spoofed" in a process

Answer the questions below

What does the term "IP" stand for?

Internet Protocol	✓ Correct Answer

What is each section of an IP address called?

Octet	✓ Correct Answer

How many sections (in digits) does an IP address have?

4	✓ Correct Answer	💡 Hint

What does the term "MAC" stand for?

Media Access Control	✓ Correct Answer

Deploy the interactive lab using the "View Site" button and spoof your MAC address to access the site. What is the flag?

THM{YOU_GOT_ON_TRYHACKME}	✓ Correct Answer

Task 4:


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                    IP Address          Send Ping Request

user@thm:~$ ping -c 4 192.168.1.254
PING 192.168.1.254 (192.168.1.254) 56(84) bytes of data
64 bytes from 192.168.1.254: icmp_seq=1 ttl=56 time=8.64 ms
64 bytes from 192.168.1.254: icmp_seq=1 ttl=56 time=8.17 ms
64 bytes from 192.168.1.254: icmp_seq=1 ttl=56 time=9.76 ms
64 bytes from 192.168.1.254: icmp_seq=1 ttl=56 time=8.28 ms
--- 192.168.1.254 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 4006ms
rtt min/avg/max/mdev = 8.132/9.428/10.957/1.057 ms
user@thm:~$ ping -c 4 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data
64 bytes from 8.8.8.8: icmp_seq=1 ttl=56 time=7.15 ms
64 bytes from 8.8.8.8: icmp_seq=1 ttl=56 time=8.42 ms
64 bytes from 8.8.8.8: icmp_seq=1 ttl=56 time=9.64 ms
64 bytes from 8.8.8.8: icmp_seq=1 ttl=56 time=7.80 ms
--- 8.8.8.8 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 4006ms
rtt min/avg/max/mdev = 8.132/9.428/10.957/1.057 ms
Flag:  THM{I_PINGED_THE_SERVER}
```

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What protocol does ping use?

ICMP   ✓ Correct Answer

What is the syntax to ping 10.10.10.10?

ping 10.10.10.10   ✓ Correct Answer

What flag do you get when you ping 8.8.8.8?

THM{I_PINGED_THE_SERVER}   ✓ Correct Answer

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