

What is Networking? Walkthrough

Begin learning the fundamentals of computer networking in this bite-sized and interactive module.

Task 1: What is Networking?

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

Task 2: What is the Internet?

Question	Answer
Who invented the World Wide Web?	Tim Berners-Lee

Task 3: Identifying Devices on a Network

Question	Answer
What does the term "IP" stand for?	Internet Protocol
What is each section of an IP address called?	Octet
How many sections (in digits) does an IP address have?	4
What does the term "MAC" stand for?	Media Access Control

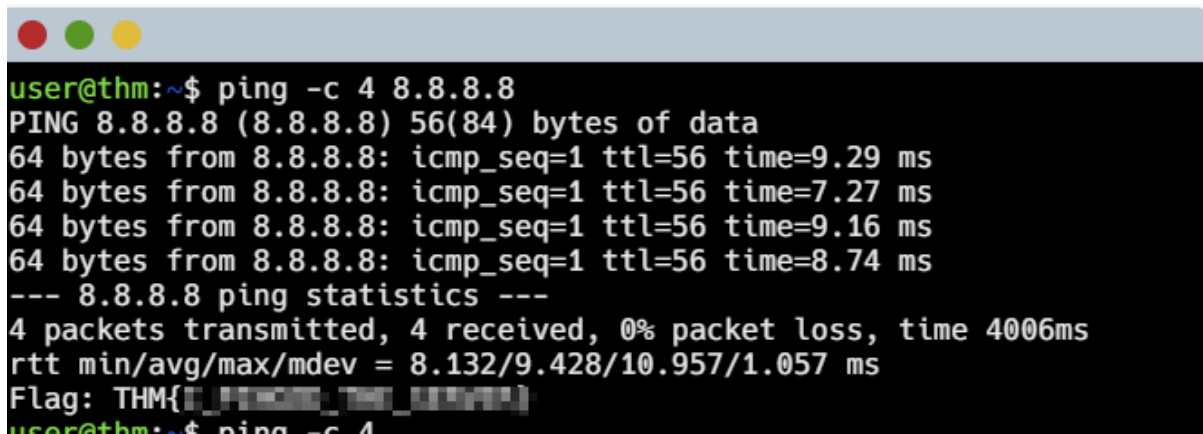
- Click on the **“View Site”** button
- To obtain the flag, perform a MAC address spoofing. (Note: MAC address spoofing involves changing the device's MAC address to a different one.)
- For this task, change Bob's MAC address to match Alice's, and then click on "Request Site." (Congratulations, you have obtained your first flag.)

Flag	THM{YOU_***_**_***HACK**}
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Task 4: Ping (ICMP)

Question	Answer
What protocol does Ping use?	ICMP
What is the syntax to ping 10.10.10.10?	ping 10.10.10.10

- Click on the “View Site” button
- Type in the given IP address and click on send ping request
- You have your flag



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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=9.29 ms
64 bytes from 8.8.8.8: icmp_seq=1 ttl=56 time=7.27 ms
64 bytes from 8.8.8.8: icmp_seq=1 ttl=56 time=9.16 ms
64 bytes from 8.8.8.8: icmp_seq=1 ttl=56 time=8.74 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{*_PINGED_***_*****}
user@thm:~$ ping -c 4
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Flag	THM{*_PINGED_***_*****}
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