







Encapsulation







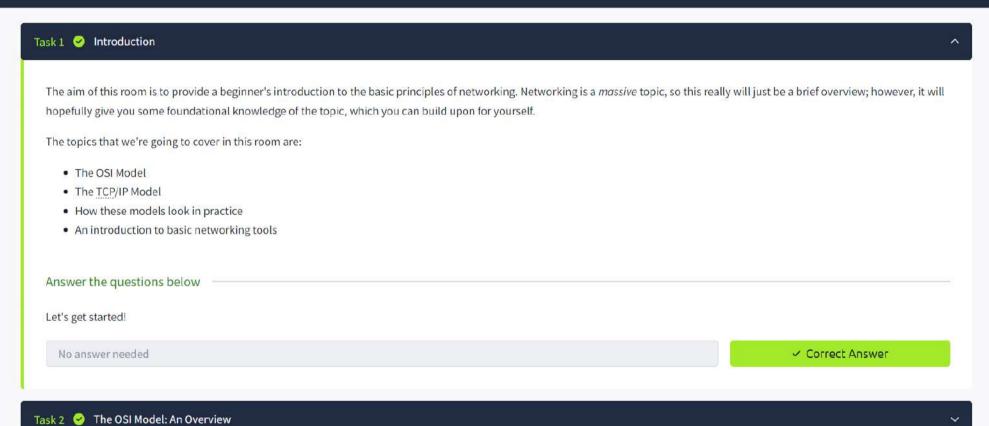




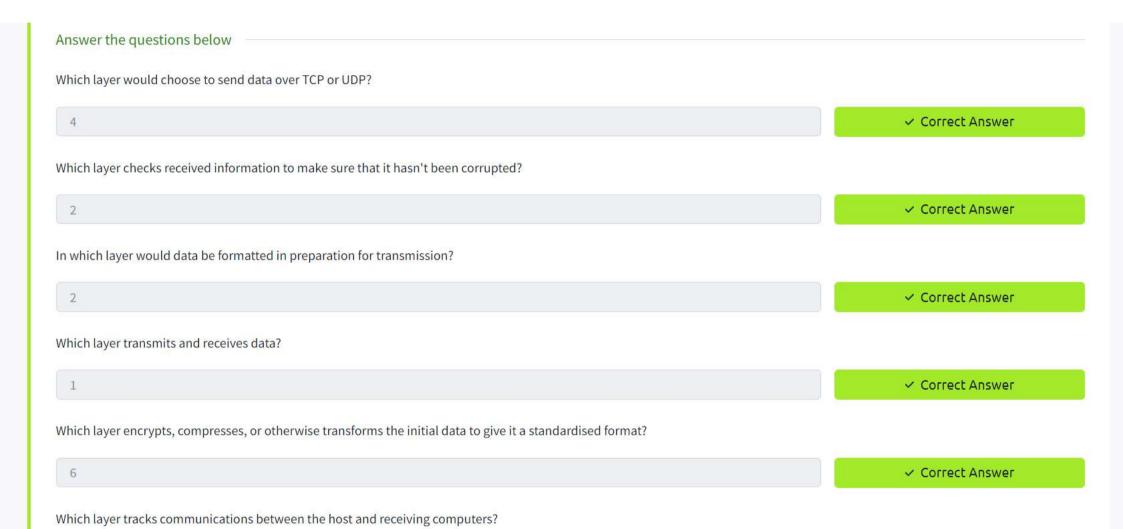
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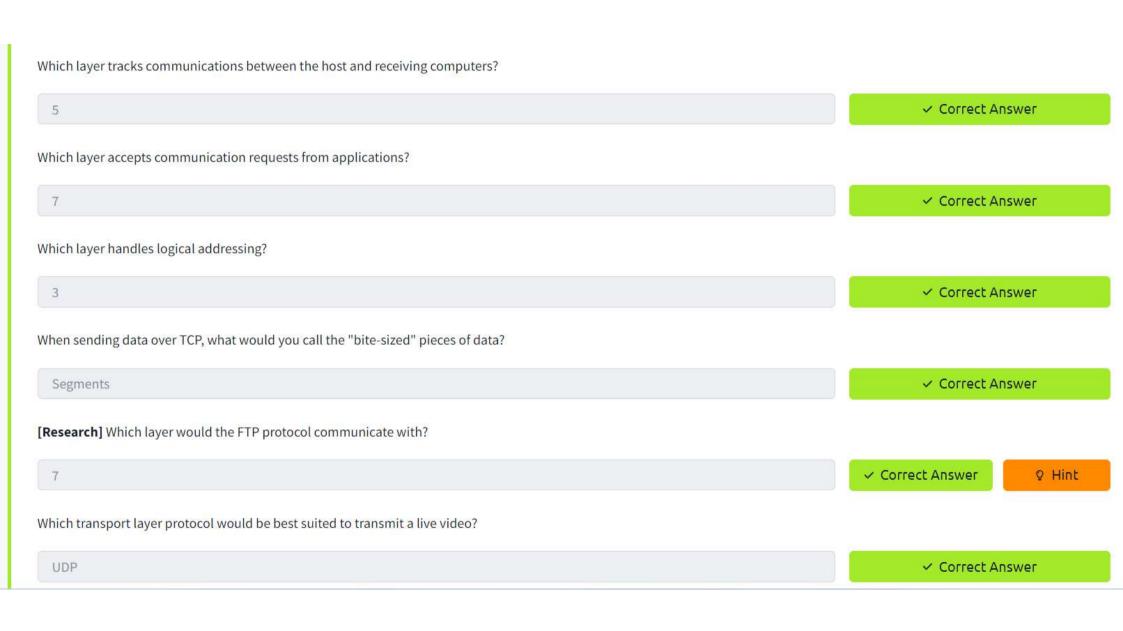






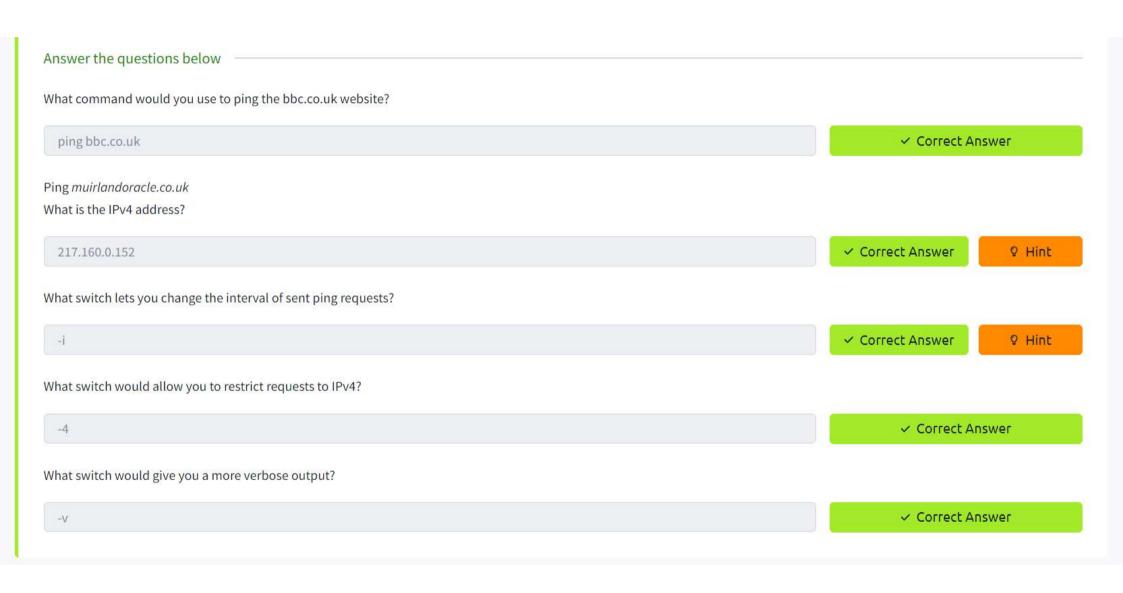




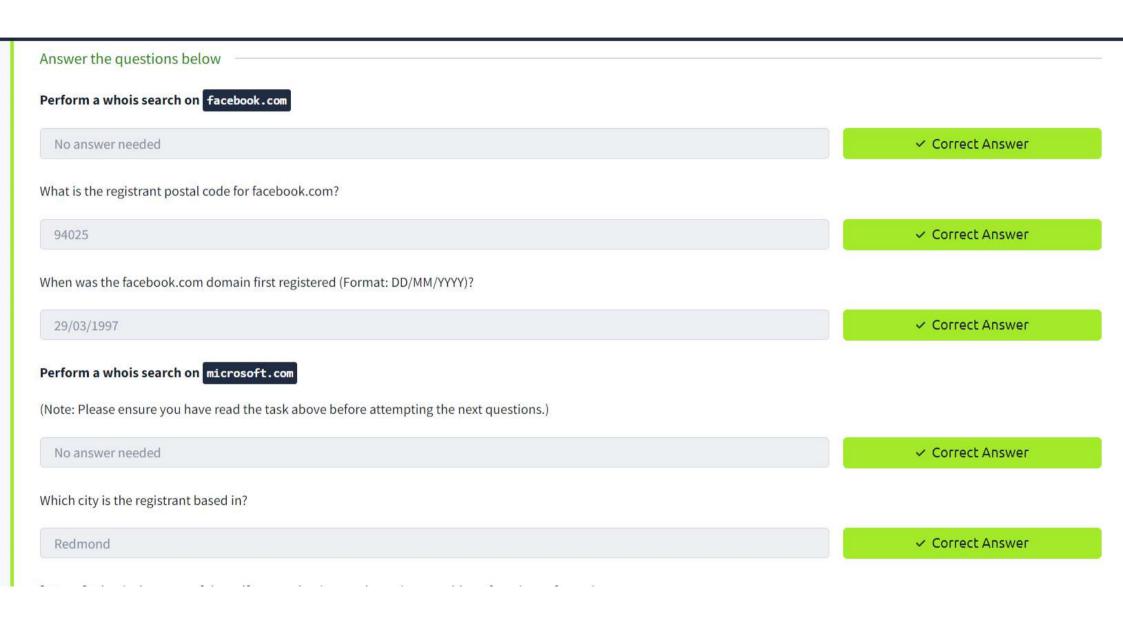


Answer the questions below Which model was introduced first, OSI or TCP/IP? ✓ Correct An TCP/IP Which layer of the TCP/IP model covers the functionality of the Transport layer of the OSI model (Full Name)? ✓ Correct An Transport Which layer of the TCP/IP model covers the functionality of the Session layer of the OSI model (Full Name)? Application ✓ Correct An. The Network Interface layer of the TCP/IP model covers the functionality of two layers in the OSI model. These layers are Data Link, and?.. (Full Name)? ✓ Correct An Physical Which layer of the TCP/IP model handles the functionality of the OSI network layer? ✓ Correct An Internet What kind of protocol is TCP?

The Network Interface layer of the TCP/IP model covers the functionality of two layers in the OSI model. These layers are Data Link, and?.. (Full Name)? ✓ Correct Answer Physical Which layer of the TCP/IP model handles the functionality of the OSI network layer? ✓ Correct Answer Internet What kind of protocol is TCP? ✓ Correct Answer Q Hint Connection-based What is SYN short for? ✓ Correct Answer ♀ Hint Synchronise What is the second step of the three way handshake? SYN/ACK ✓ Correct Answer What is the short name for the "Acknowledgement" segment in the three-way handshake? ✓ Correct Answer ACK



Answer the questions below Use traceroute on tryhackme.com Can you see the path your request has taken? No answer needed ✓ Correct Answer What switch would you use to specify an interface when using Traceroute? ✓ Correct Answer ♀ Hint What switch would you use if you wanted to use TCP SYN requests when tracing the route? -T ✓ Correct Answer [Lateral Thinking] Which layer of the TCP/IP model will traceroute run on by default (Windows)? ✓ Correct Answer Internet



Perform a whois search on microsoft.com (Note: Please ensure you have read the task above before attempting the next questions.) No answer needed ✓ Correct Answer Which city is the registrant based in? ✓ Correct Answer Redmond [OSINT] What is the name of the golf course that is near the registrant address for microsoft.com? Bellevue Golf Course ✓ Correct Answer What is the registered Tech Email for microsoft.com? ✓ Correct Answer msnhst@microsoft.com

Networking is one of those things that you just need to learn. We've covered the very basics, but it would be a very good idea to continue to learn by yourself.

In terms of further information, feel free to reach out in the TryHackMe Discord if you want any help with the contents of this room. Additionally, if you want to expand your knowledge of networking theory, the CISCO Self Study Guide by Steve McQuerry is a great resource to work from. There may be a more up to date version available; however, this edition is cheap, readily available, and most importantly, still very relevant. Whilst it is designed to as a study guide for the CCNA exam, that book serves equally well as a very rounded introduction to networking principles.

Answer the questions below

Read the final thoughts

No answer needed

✓ Correct Answer