

Assignment of CTI

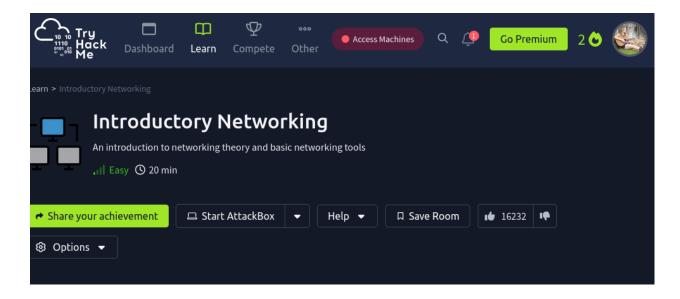
| Group's Name and Their Id Number | | |
|----------------------------------|-----------|------------------|
| Rank | ID Number | Full Name |
| Сар. | 00755597 | Markos Matewos |
| Сар. | 01387097 | Birhane H/Mariam |
| 2nd Lt. | 00788107 | Kahasi G/Silase |
| Serj. | 00789207 | Tezibt Gashaw |
| Ls Corp. | 18333814 | Dereje Solomon |
| Ls Corp. | 01910813 | Gashaw Erkyhun |
| Pt. | 00591516 | Tesfaye Wako |
| Pt. | 00952516 | Dagim Tesfaye |
| Pt. | 01005416 | Abebe Getu |

Submitted to: Cap. Sisay D

Submission Date:Mar 19,2025

Answers

After you login to your account of THM account's tap on the learn link button and search for Introductory Networking, then join the room and start your journey with tasks. It looks like the below screenshot.

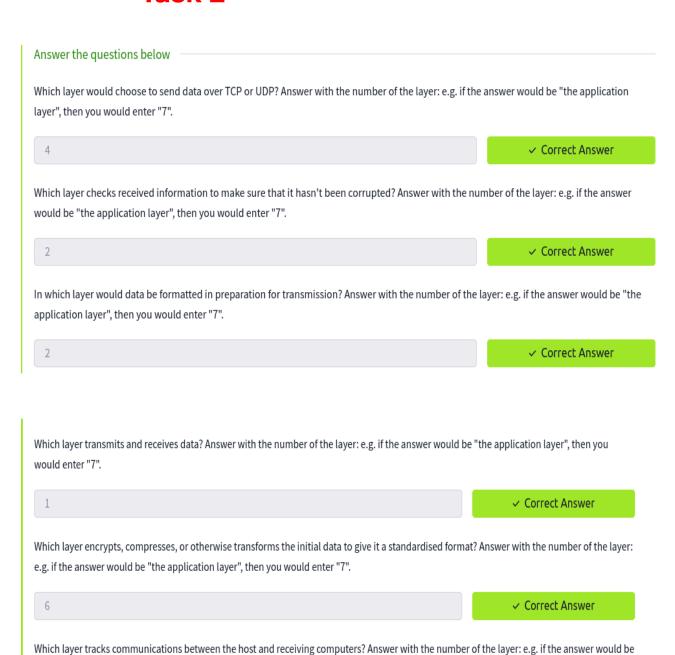


The topics that we're going to cover are:

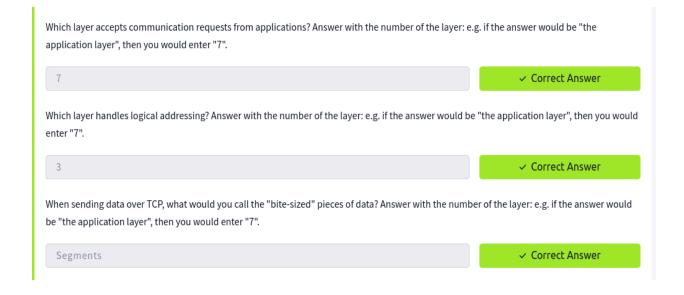
- ☐ The OSI Model
- ☐ The TCP/IP Model
- ☐ How these models look in practice
- ☐ An introduction to basic networking tools

"the application layer", then you would enter "7".

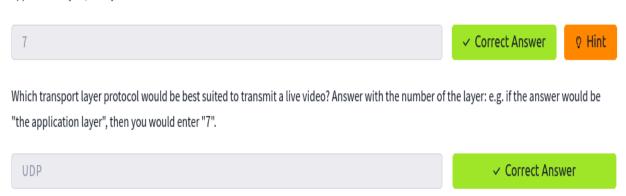
5



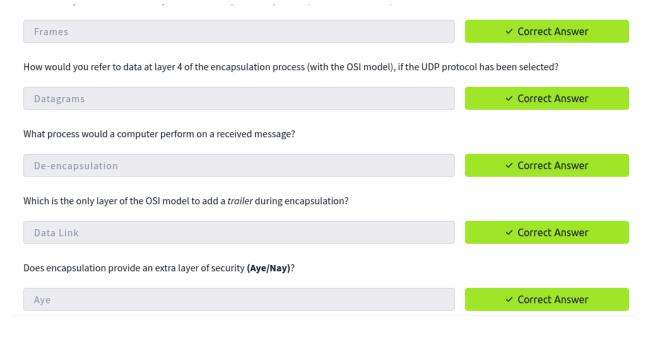
✓ Correct Answer



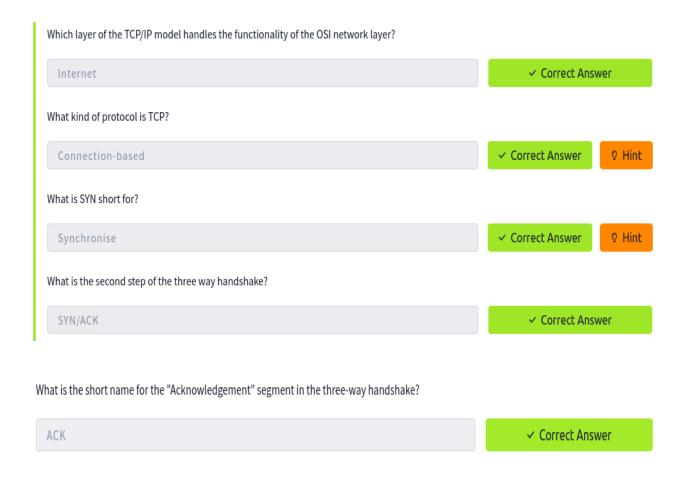
[Research] Which layer would the FTP protocol communicate with? Answer with the number of the layer: e.g. if the answer would be "the application layer", then you would enter "7".



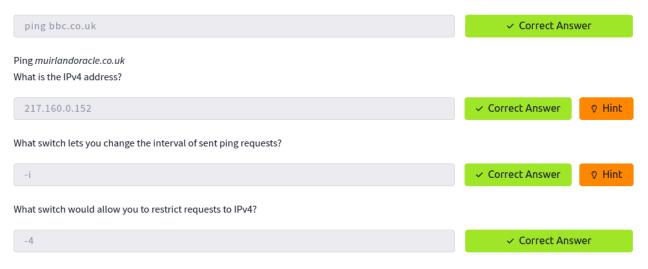
How would you refer to data at layer 2 of the encapsulation process (with the OSI model)?



Task 4



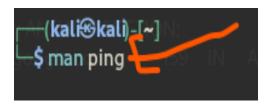
What command would you use to ping the bbc.co.uk website?



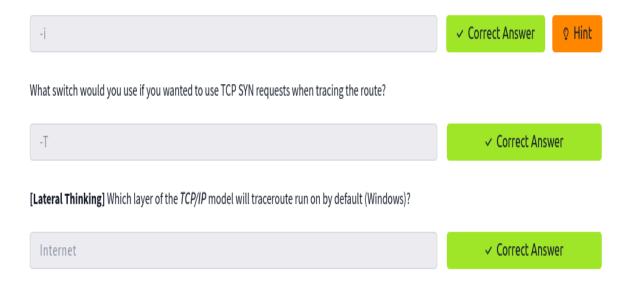
✓ Correct Answer

Also we used the kali terminal to get the correct answers of those above challenges. Like IPv4, switch commands like –i,-v, etc.

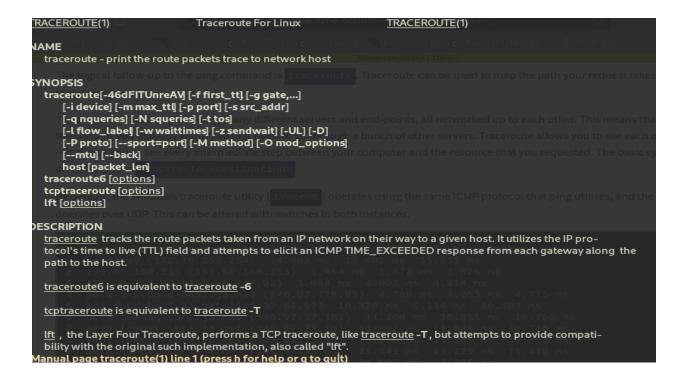
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| Control of the cont
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What switch would you use to specify an interface when using Traceroute?



A Man Command is to help us to get switch commands to specify an interface and TCP SYN requests on kali Linux .



Tells traceroute to add an IP source routing option to the outgoing packet that tells the network to route the packet through the specified gateway (most routers have disabled source routing for security reasons). In general, several gateway's is allowed (comma separated). For IPv6, the form of num,addr,addr... is allowed, where num is a route header type (default is type 2). Note the type 0 route header is now deprecated (rfc5095). -i interface, --interface interface Specifies the interface through which traceroute should send packets. By default, the interface is selected according to the routing table. -m max_ttl, --max-hops=max_ttl Specifies the maximum number of hops (max time-to-live value) traceroute will probe. The default is 30.

Task 7

What is the registrant postal code for facebook.com? 94025 ✓ Correct Answer When was the facebook.com domain first registered (Format: DD/MM/YYYY)? 29/03/1997 ✓ Correct Answer Perform a whois search on microsoft.com (Note: Please ensure you have read the task above before attempting the next questions.) ✓ 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

Also for task 7 we should have used some kali commands on the terminal to get the answers for those questions.

(kali⊕kali)-[~] \$ whois facebook.com Domain Name: FACEBOOK, COM Registry Domain ID: 2320948_DOMAIN_COM-VRSN Registrar WHOIS Server: whois.registrarsafe.com Registrar URL: http://www.registrarsafe.com Updated Date: 2024-04-24T19:06:12Z Creation Date: 1997-03-29T05:00:00Z Registry Expiry Date: 2033-03-30T04:00:00Z Registrar: RegistrarSafe, LLC Registrar IANA ID: 3237 Registrar Abuse Contact Email: abusecomplaints@registrarsafe.com Registrar Abuse Contact Phone: +1-650-308-7004 Domain Status: clientDeleteProhibited https://icann.org/epp#clientDeleteProhibited Domain Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited Domain Status: clientUpdateProhibited https://icann.org/epp#clientUpdateProhibited Domain Status: serverDeleteProhibited https://icann.org/epp#serverDeleteProhibited Domain Status: serverTransferProhibited https://icann.org/epp#serverTransferProhibited Domain Status: serverUpdateProhibited https://icann.org/epp#serverUpdateProhibited Name Server: A.NS.FACEBOOK.COM

Registrant State/Province: CA Registrant Postal Code: 94025

Registrant Country: US

Registrant Phone: +1.6505434800

Registrant Phone Ext:

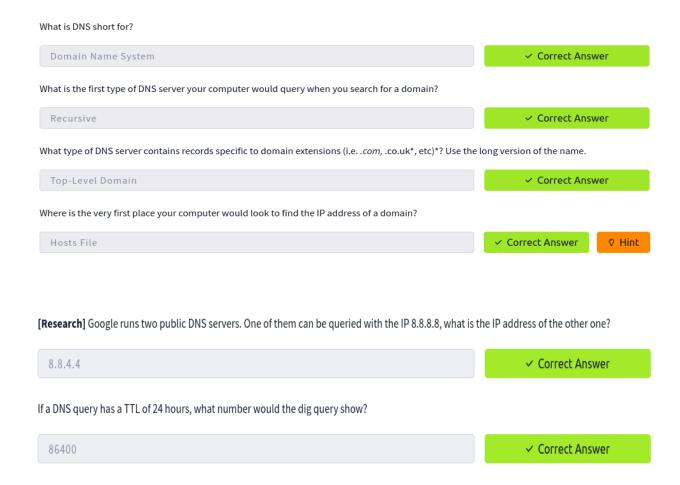
D--:-t----t F---

-(kali⊕kali)-[~] \$ whois microsoft.com Domain Name: MICROSOFT.COM Registry Domain ID: 2724960_DOMAIN_COM-VRSN Registrar WHOIS Server: whois.markmonitor.com Registrar URL: http://www.markmonitor.com Updated Date: 2023-08-18T16:15:54Z Creation Date: 1991-05-02T04:00:00Z Registry Expiry Date: 2025-05-03T04:00:00Z Registrar: MarkMonitor Inc. Registrar IANA ID: 292 Registrar Abuse Contact Email: abusecomplaints@markmonitor.com Registrar Abuse Contact Phone: +1.2086851750 Domain Status: clientDeleteProhibited https://icann.org/epp#clientDeleteProhibited Domain Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited Domain Status: clientUpdateProhibited https://icann.org/epp#clientUpdateProhibited Domain Status: serverDeleteProhibited https://icann.org/epp#serverDeleteProhibited

Domain Status: serverTransferProhibited https://icanp.org/enpt/serverTransferProhibited

Registrant Name: Domain Administrator
Registrant Organization: Microsoft Corporation
Registrant Street: One Microsoft Way,
Registrant City: Redmond
Registrant State/Province: WA
Registrant Postal Code: 98052

Tech Phone Ext:
Tech Fax: +1.4259367329
Tech Fax Ext:
Tech Email: msnhst@microsoft.com
Name Server: ns1-39.azure-dns.com
Name Server: ns2-39.azure-dns.net
Name Server: ns4-39.azure-dns.info
Name Server: ns3-39.azure-dns.org
DNSSEC: unsigned



After completing the progress the task looks like this and the congratulation message is popped.

