

✔ Congratulations! You passed!

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1. What is one type of built-in protocol mechanism?

1 / 1 point

- ☐ Misconfiguration error
- ☐ Time to Live (TTL) expiration
- ☒ Error detection
- ☐ IPv6

✔ Correct

2. The first field of an Internet Control Message Protocol (ICMP) packet specifies the message type. Which choices represent message type examples? (Choose all that apply)

1 / 1 point

☒ Destination unreachable

✔ Correct

☐ Destination network unreachable

☐ Destination port unreachable

☒ Time exceeded

✔ Correct

3. Which two tools function similar to traceroute? (Choose all that apply)

1 / 1 point

☒ Mtr

✔ Correct

☐ Nslookup

☐ netcat

☒ pathping

✔ Correct

4. When issuing the Netcat command, which flags will tell you if a connection to the porting question is possible or not?

1 / 1 point

- ☐ -port and -z flags
- ☒ -z and -v flags
- ☐ -port and -v flags
- ☐ -port and Test-NetConnection

✔ Correct

5. While in an interactive nslookup session, you'd use the _____ keyword to change the DNS server you're using.

1 / 1 point

- ☐ Client
- ☐ FQDN
- ☒ Server
- ☐ DNS

✔ Correct

6. When troubleshooting Domain Name System (DNS) problems, which helpful feature do public servers usually support?

1 / 1 point

- ☒ ICMP echo requests
- ☐ Virtualization services
- ☐ Port connectivity
- ☐ Paths between nodes

✔ Correct

7. What is the name of the provision of services based around hardware virtualization?

1 / 1 point

- ☐ Network Address Translation (NAT)
- ☐ Domain Name System (DNS) service model
- ☐ Subnetting
- ☒ Cloud computing

✔ Correct

8. What is The IPv6 loopback address?

1 / 1 point

- ☐ 127.0.0.1
- ☐ 1000:0000:0000:0000:0000:0000:0000:0000
- ☒ 0000:0000:0000:0000:0000:0000:0000:0001
- ☐ 0000:0000:0000:0000:0000:0000:0000:0000

✔ Correct

9. Which of the options below represents the correct & most fully compressed version of the IPv6 address:
7d2b:00a9:a0c4:0000:a772:00fd:a523:0358

0 / 1 point

- ☒ 7d2b:a9:a0c4:0:a772:fd:a523:358
- ☐ 7d2b:a9:a0c4:0:a772:fd:a523
- ☐ 7d2b:00a9:a0c4:0000:a772
- ☐ 7d2b:a9:a0c4::a772:fd:a523:358

✘ Incorrect

Please review the video about [IPv6 addressing and subnetting](#).

10. Which Internet Protocol (IP) v6 header field is used to determine the quality of service level for a datagram?

1 / 1 point

- ☐ Payload length
- ☐ Next header
- ☐ Version
- ☒ Flow label

✔ Correct