

- Introduction to Troubleshooting and the Future of Networking
- Verifying Connectivity
- Digging into DNS
- The Cloud
- IPv6
- Graded Assessments
- Reading: Graded Plugin
10 min
- Quiz: IPv6 Compression
1 question
- Quiz: Troubleshooting and the Future of Networking
10 questions
- Course Wrap Up

✔ Congratulations! You passed!

Grade received 100%
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Quiz • 1h 20m

To pass 80% or higher

Go to next item

Troubleshooting and the Future of Networking

1. A Cyclical Route Sample is an example of what type of built-in protocol mechanism?

1 / 1 point

Try again

- ☒ Error detection
- ☐ Misconfiguration error
- ☐ Time To Live
- ☐ Error recovery
- ☒ Correct

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100%

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2. What does ICMP stand for?

1 / 1 point

- ☐ Internet Client Message Protocol
- ☒ Internet Control Message Protocol
- ☐ Internet Control Mail Protocol
- ☐ Interactive Control Message Protocol
- ☒ Correct

3. Traceroute uses UDP packets by default on which of the following operating systems? (Choose all that apply)

1 / 1 point

- ☐ Windows 10
- ☐ Windows 7
- ☒ Linux
- ☒ Correct
- ☒ Mac OS
- ☒ Correct

4. A tech uses the netcat tool on a Linux system. Of the choices, which has proper syntax?

1 / 1 point

- ☒ nc google.com 80
- ☐ nc google.com -z
- ☐ nc -v 80
- ☐ nc google.com
- ☒ Correct

5. What is one of the most commonly used name resolution tools?

1 / 1 point

- ☐ Netcat
- ☒ Nslookup
- ☐ DNS
- ☒ Correct

6. One of Google's public DNS servers is 8.8.8.8. The other one is _____.

1 / 1 point

- ☐ 255.255.255.255
- ☐ 0.0.0.0
- ☐ 1.2.1.1
- ☒ 8.8.4.4
- ☒ Correct

7. With virtualization, a single physical machine, called a host, can run many individual virtual instances, called _____.

1 / 1 point

- ☐ Servers
- ☐ Clouds
- ☐ Clients
- ☒ Guests
- ☒ 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. When shortening an Internet Protocol (IP) v6 address, which two rules are used? Select two that apply.

1 / 1 point

- ☒ Removing all leading zeros.
- ☒ Correct
- ☐ Removing all leading ones.
- ☒ Replace groups of zeros with colons.
- ☒ Correct
- ☐ Replace groups of ones with semicolons.

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

1 / 1 point

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