

Get started with the course

Introduction to networks

Network communication

Local and wide network communication

Review: Network architecture

Video: Wrap-up

39 sec

Reading: Glossary terms from week 1

10 min

Quiz: Weekly challenge 1

10 questions

🎉 Congratulations! You passed!

Grade received 100%

Latest submission made 10 min ago

Quiz • 50 min

To pass 80% or higher

Go to next item

Weekly challenge 1

Review Learning Objectives

1. What type of network spans an office building, a school, or a home?

1 / 1 point

☒ LAN

☐ Modem

☐ Cloud

☐ WAN

☒ Receive grade

✔ Correct To Pass 80% or higher

Try again

Your grade
100%

View Feedback
We keep your highest score

2. A ____ broadcasts information to every device on the network.

1 / 1 point

☐ router

☐ switch

☒ hub

☐ modem

✔ Correct

3. Fill in the blank: A ____ is a device that makes connections between specific devices on a network by sending and receiving data between them.

1 / 1 point

☒ switch

☐ hub

☐ modem

☐ router

✔ Correct

4. What are some of the benefits cloud service providers (CSPs) offer security professionals? Select all that apply.

1 / 1 point

☐ CSP servers, applications, and network services are hosted on local physical devices.

☒ CSPs offer online services and web applications that can be accessed from any location.

✔ Correct

☒ CSPs can save an organization money by offering processing power that is only paid for as needed.

✔ Correct

☒ CSPs provide business analytics to monitor web traffic and sales.

✔ Correct

5. What is the purpose of the protocol number of a data packet?

1 / 1 point

☐ To signal to the receiving device that the packet is finished

☐ To identify the message to be transmitted to the receiving device

☐ To contain the IP and MAC addresses

☒ To tell the receiving device what to do with the information in the packet

✔ Correct

6. What are two benefits of cloud computing and software defined networks (SDNs)? Select two answers.

1 / 1 point

☒ Decreased cost

✔ Correct

☐ Decreased reliability

☐ Increased attack surface

☒ Increased scalability

✔ Correct

7. Which one of the following port numbers is used for email traffic?

1 / 1 point

☐ 443

☐ 23

☐ 20

☒ 25

✔ Correct

8. Fill in the blank: The ____ layer is used to determine how data packets will interact with receiving devices, including file transfers and email services.

1 / 1 point

☐ Layer 1, network access

☐ Layer 2, internet

☐ Layer 3, transport

☒ Layer 4, application

✔ Correct

9. Fill in the blank: 127.0.0.1 is an example of an accurate ____ address.

1 / 1 point

☒ IPv4

☐ IPv6

☐ Ethernet

☐ MAC

✔ Correct

10. Which of the following addresses is an accurate IPv6 address?

1 / 1 point

☐ fda2::7361:135b::38f5:c8bd:1b3e:2578

☒ fda2:7360:1e5b:a8f5:a69fc8bd:1b3e:2578

☐ a360::abf7:h234:0011:g126:1130::ffj2

☐ a634:b123:cd34:3f56:0023:2345:7890:0000:ffff

✔ Correct