

Introduction to network protocols

System identification

Review: Network operations

Video: Wrap-up
51 sec

Reading: Glossary terms from week 2
10 min

Quiz: Weekly challenge 2
10 questions

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Review Learning Objectives

1. What internet communication protocol allows two devices to form a connection and stream data?

1 / 1 point
- Secure Sockets Layer (SSL/TLS)

Address Resolution Protocol (ARP)

Hypertext Transfer Protocol Secure (HTTPS)

Transmission Control Protocol (TCP)

Correct

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2. What set of standards is known as Wi-Fi?

1 / 1 point
- WEP

WPA

IEEE 802.11

802.11 is a device identifier.

Correct

3. A firewall administrator installs a firewall function to either block or allow certain port numbers to limit unwanted communication. What function does this scenario describe?

1 / 1 point
- Using cloud-based firewalls

Port filtering

Organizing data packets

Masking a location

Correct

4. Which firewall offers the most security features?

1 / 1 point
- Stateless

Next generation firewall (NGFW)

Stateful

Documented

Correct

5. A security professional sets up a security measure to allow employees to work from home securely while having access to internal network resources. What does this scenario describe?

1 / 1 point
- Firewall

Cloud service provider (CSP)

Address resolution protocol (ARP)

Virtual private network (VPN)

Correct

6. Fill in the blank: VPN services perform encapsulation to protect sensitive data by ____ it in other data packets.

1 / 1 point
- wrapping

displaying

archiving

classifying

Correct

7. Fill in the blank. A controlled zone protects a company's internal network from a(n) ____ security zone.

1 / 1 point
- Internal network

Demilitarized

Uncontrolled

Restricted

Correct

8. What network zone includes web and proxy servers that host websites for the public, as well as email and file servers to handle external communications?

1 / 1 point
- Restricted zone

Uncontrolled zone

Virtual private network

Demilitarized zone

Correct

9. A security analyst implements a system to service client requests by forwarding them to other servers. What do they use?

1 / 1 point
- Router

Firewall

Virtual private network (VPN)

Proxy server

Correct

10. Which of the following statements accurately describe forward and reverse proxy servers? Select three answers.

1 / 1 point
- Reverse proxy servers work by hiding a user's IP address and approving all outgoing requests.

Forward proxy servers regulate and restrict a person's access to the internet.

Correct
- Forward proxy servers receive outgoing traffic from an employee, approve it, then forward it to its destination on the internet.

Correct
- Reverse proxy servers accept traffic from external parties, approve it, then forward it to internal servers.

Correct