

1. What is two-factor authentication? Select all that apply.

0.75 / 1 point

- ☒ a method where users are required to verify their credentials through a combination of hardware and/or software. Usually a username, password, and a short-lived token.

✓ **Correct**

Two-factor authentication requires users to verify their identity and level of access through a combination of hardware (biometric scanners, key fobs, etc.) and/or software (software tokens, passwords, etc.).

- ☒ a method where you need two passwords

✗ **This should not be selected**

Two-factor authentication requires users to verify their identity and level of access through a combination of hardware (biometric scanners, key fobs, etc.) and/or software (software tokens, passwords, etc.).

- ☒ a method where you authenticate twice

✓ **Correct**

Two-factor authentication requires users to verify their identity and level of access through a combination of hardware (biometric scanners, key fobs, etc.) and/or software (software tokens, passwords, etc.).

- ☐ a method that requires two usernames

2.

1 / 1 point

VPNs are known as a \_\_\_\_\_ protocol.

- ☐ network layer
- ☐ data link layer
- ☐ Connectionless
- ☒ Tunneling

✓ **Correct**

VPNs are tunneling protocols.

3.

1 / 1 point

A proxy is something that \_\_\_\_\_.

- ☒ communicates on behalf of something else
- ☐ allows for many devices to speak to one other device
- ☐ encrypts traffic sent across the Internet
- ☐ sends data across a single network segment

✓ **Correct**

While proxies are many things, they primarily communicate on behalf of something else.

4.

1 / 1 point

What are some use cases for reverse proxies? Select all that apply.

- ☐ Improved computer graphics
- ☒ Encryption and Decryption

✓ **Correct**

Reverse proxies can be implemented in order to use hardware built specifically for cryptography, to perform the encryption and decryption work.

- ☐ IP address translation
- ☒ Load balancing

✓ **Correct**

Reverse proxies can distribute incoming requests to multiple physical servers, acting as a load balancing mechanism.

5. What was one of the first technologies that commonly utilized 2FA (Two-Factor Authentication)?

1 / 1 point

- ☐ TCP
- ☐ DNS
- ☒ VPN
- ☐ UDP

✓ **Correct**

VPN was one of the first technologies to commonly use two-factor authentication.