

Quiz - Cybersecurity - A Security Architect's Perspective

1. Which three (3) security challenges face today's organizations?

1 / 1 poi

☒ Protection of enforcement structure can complicate solutions

✓ Correct

Partially correct. This is a case of the guards needing guards.

☐ Protectors have to be right just once

☒ Solutions can be attacked themselves

✓ Correct

Partially correct. An effective attack often starts by disabling the defense.

☒ Security is not as simple as it seems

✓ Correct

Partially correct. Good security is far from simple.

2. In John's example of friends and enemies, what is the name used to refer to the intruder?

1 / 1 poi

trudy

✓ Correct

Correct. Trudy (intruder) may intercept, delete, add messages

3. Describe why comprehensive cybersecurity can be very complex to implement in reality.

1 / 1 poi

the protection afforded to an automated information systems in order to attain the applicable objectives of preserving the integrity, availability, and confidentiality of information system resources include hardware, software, firmware, information/data, and telecommunications

✓ Correct

Did your answer include these 3 key factors?

- Translation of simple business requirements into technical specifications and deployment decisions can be very difficult

4. Only the sender and intended receiver of a message can "understand" the message contents is an example of which basic security concept?

1 / 1 point

- ☐ Availability
- ☐ Integrity
- ☐ Authentication
- ☒ Confidentiality



Correct

Correct! The message is confidential if only the sender and intended receiver can read its contents.

5. The sender and receiver of a message can positively identify each other's identity is an example of which basic security concept?

1 / 1 point

- ☐ Availability
- ☒ Authentication
- ☐ Integrity
- ☐ Confidentiality



Correct

Correct! Authentication means that the sender and receiver can positively confirm each other's identity.