

Safeguard information

Encryption methods

Authentication, authorization, and accounting

Review: Protect organizational assets

Video: Wrap-up

Reading: Glossary terms from week 2

Quiz: Weekly challenge 2

Try again once you are ready

Grade received 75%
Quiz • 50 min

Weekly challenge 2

Latest Submission
Grade: 75%
To pass 80% or higher

Retake the assignment in 23h 57m

Review Learning Objectives

1. Which functions would fall under the category of operational security controls? Select two answers.

1 / 1 point

Response submitted

Correct Due Jun 18, 11:59 PM +08 Attempts 3 every 24 hours

Providing security awareness training

Correct Receive grade

To Pass 80% or higher

Establishing trust using digital certificates

Exchanging encrypted information

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2. A large hotel chain is conducting a national sweepstakes. To enter the sweepstakes, customers must consent to sharing their email address with the chain's business partners for marketing purposes. What are the hotel chain's responsibilities as data custodians? Select three answers.

1 / 1 point

Grant business partners consent to use customer data

Collect customer consent and emails

Correct

Send information to business partners

Correct

Back up customer information

Correct

3. You send an email to a friend. The service provider of your inbox encrypts all messages that you send. What happens to the information in your email when it's encrypted?

1 / 1 point

It's converted from ciphertext to plaintext.

It's converted from plaintext to ciphertext.

It's converted from Caesar's cipher to plaintext.

It's converted from a hash value to ciphertext.

Correct

4. Why are hash algorithms that generate long hash values more secure than those that produce short hash values?

1 / 1 point

They are easier to decrypt

They are easier to exchange over a network

They are more difficult to brute force

They are more difficult to remember

Correct

5. Which security controls are used in public key infrastructure? Select three answers.

1 / 1 point

Symmetric encryption

Correct

Multi-factor authentication

Digital certificates

Correct

Asymmetric encryption

Correct

6. Fill in the blank: Knowledge, ownership, and characteristic are three factors of ____ systems.

0 / 1 point

administrative

authorization

accounting

authentication

Incorrect Please review the video about access controls ↗.

7. What are some disadvantages of using single sign-on (SSO) technology for user authentication? Select two.

0.5 / 1 point

Stolen credentials can give attackers access to multiple resources.

Correct

Customers, vendors, and business partners are less vulnerable to attack.

Access to all connected resources stops when SSO is down.

Username and password management is more complicated for the end users.

This should not be selected Please review the video about SSO and MFA ↗.

8. A business has one person who receives money from customers at the register. At the end of the day, another person counts that money that was received against the items sold and deposits it. Which security principles are being implemented into business operations? Select two answers.

1 / 1 point

Single sign-on

Multi-factor authentication

Least privilege

Correct

Separation of duties

Correct

9. What are common authorization tools that are designed with the principle of least privilege and separation of duties in mind? Select three answers.

1 / 1 point

API Tokens

Correct

Basic auth

Correct

OAuth

Correct

SHA256

10. What is the practice of monitoring the access logs of a system?

0 / 1 point

Auditing

Authentication

Authorization

Accounting

Incorrect Please review the video on accounting ↗.

