

Safeguard information

Encryption methods

Authentication, authorization, and accounting

Review: Protect organizational assets

Videos: Wrap-up

Reading: Glossary terms from week 2

Quiz: Weekly challenge 2

▲ Try again once you are ready

Grade received: 62.50%

Latest submission: 3 every 24 hours

Quiz • 10 min

Review Learning Objectives

1. What is the purpose of security controls?

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.

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?

4. How are hash functions used by security professionals? Select two answers.

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

6. What are the two most common forms of identification used by authentication systems? Select two answers.

7. What are two advantages of using single sign-on (SSO) systems to authenticate users? Select two answers.

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.

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

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

Try again

Try again

1 / 1 point

0.75 / 1 point

1 / 1 point

0.5 / 1 point

0.5 / 1 point

0.5 / 1 point

0.5 / 1 point

0.75 / 1 point

0 / 1 point

1. What is the purpose of security controls?

☐ Encrypt sensitive information

☐ Establish digital responsibility

☒ Reduce specific security risks

☐ Create policies and procedures

☐ Correct to pass 80% or higher

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.

☒ Send information to business partners

☐ Correct

☒ Grant business partners consent to use customer data

☒ This should not be selected

Please review the [video on information privacy](#).

☒ Back up customer information

☐ Correct

☒ Collect customer consent and emails

☐ 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?

☒ It's converted from plaintext to ciphertext.

☐ It's converted from a hash value to ciphertext.

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

☐ It's converted from ciphertext to plaintext.

☐ Correct

4. How are hash functions used by security professionals? Select two answers.

☒ To verify the integrity of a file

☐ Correct

☒ To determine if two files are the same

☐ Correct

☒ To convert ciphertext to plaintext

☒ This should not be selected

Please review the [video on hash functions](#).

☒ To backup password in a rainbow table

☒ This should not be selected

Feedback: Please review the [video on hash functions](#).

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

☒ Digital certificates

☐ Correct

☒ Multi-factor authentication

☒ This should not be selected

Please review the [video about PKI](#).

☒ Asymmetric encryption

☐ Correct

☒ Symmetric encryption

☐ Correct

6. What are the two most common forms of identification used by authentication systems? Select two answers.

☒ Password

☐ Correct

☒ Username

☐ Correct

☒ Fingerprint

☒ This should not be selected

Please review the [video about access controls](#).

☒ Facial scan

☒ This should not be selected

Please review the [video about access controls](#).

7. What are two advantages of using single sign-on (SSO) systems to authenticate users? Select two answers.

☒ Users can reuse the same password.

☒ This should not be selected

Please review the [video about SSO and MFA](#).

☒ It makes the login process faster.

☐ Correct

☒ It makes authentication safe.

☒ This should not be selected

Please review the [video about SSO and MFA](#).

☒ Users can gain access to multiple platforms.

☐ Correct

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.

☒ Single sign-on

☒ This should not be selected

Please review the [video about separation of duties](#).

☒ Least privilege

☐ Correct

☒ Multi-factor authentication

☒ This should not be selected

Please review the [video about separation of duties](#).

☒ 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.

☒ API Tokens

☐ Correct

☒ Basic auth

☐ Correct

☒ OAuth

☐ Correct

☒ SHA256

☒ This should not be selected

Please review the [video about authorization controls](#).

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

☐ Accounting

☒ Auditing

☐ Authorization

☐ Authentication

☒ Incorrect

Please review the [video on accounting](#).