

Flaws in the system

Identify system vulnerabilities

Cyber attacker mindset

Review: Vulnerabilities in systems

Video: Wrap-up

1 min

Reading: Glossary terms from week 3

10 min

Quiz: Weekly challenge 3

10 questions

🎉 Congratulations! You passed!

Grade received

85%

Quiz - 10 min

Review Learning Objectives

Submit your assignment

Due Jun 25, 11:59 PM +08

Attempts: 3 every 8 hours

Try again

Receive grade

By Fri 11:59 PM +08

To pass 80% or higher

A security control

Correct

Like

Dislike

Report an issue

1. An application has broken access controls that fail to restrict any user from creating new accounts. This allows anyone to add new accounts with full admin privileges.

The application's brilliant access controls are an example of what?

A threat

An exploit

A vulnerability

A security control

Correct

2. Which of the following layers do not provide protection for information that users provide? Select two answers.

The data layer

Correct

The application layer

Correct

The network layer

This should not be selected

Please review the video on defense in depth

The perimeter layer

This should not be selected

Please review the video on defense in depth

3. Which layer of the defense in depth model is a user authentication layer that can include usernames and passwords?

Application

Endpoint

Perimeter

Network

Incorrect

Please review the video about the controls used in defense in depth

4. Which of the following are criteria that a vulnerability must meet to qualify for a CVE ID? Select all that apply.

It can only affect one codebase.

Correct

It must pose a financial risk.

This should not be selected

Please review the video about common vulnerabilities and exposures

It must be independent of other issues.

Correct

It must be recognized as a potential security risk.

Correct

It must be submitted with supporting evidence.

Correct

5. A security team is preparing new workstations that will be installed in an office. Which vulnerability management steps should they take to prepare these workstations? Select three answers.

Install a suite of collaboration tools on each workstation.

This should not be selected

Please review the video about vulnerability management

Consider who will be using each computer.

Correct

Configure the company firewall to allow network access.

Correct

Download the latest patches and updates for each system.

Correct

6. You are tasked with performing a vulnerability assessment of an on-site server. After scanning the server, you discover that its operating system is missing several new updates. What are two steps that you might take next to complete the vulnerability assessment? Select two answers.

Investigate critical system updates that are available.

Correct

Scan the millions of devices that connect to the server

This should not be selected

Please review the video about vulnerability assessments

Perform a risk assessment of the old operating system.

Correct

Deactivate the server because its operating system is outdated

This should not be selected

Please review the video about vulnerability assessments

7. What are the two types of attack surfaces that security professionals defend? Select two answers.

Digital

Correct

Brand reputation

This should not be selected

Please review the video about attack surfaces

Intellectual property

This should not be selected

Please review the video about attack surfaces

Physical

Correct

8. Fill in the blank: An attack \_\_\_\_\_ refers to the pathways attackers use to penetrate security defenses.

vector

surface

vulnerability

landscape

Correct

9. Which of the following are reasons that security teams practice an attacker mindset? Select three answers.

To identify attack vectors

Correct

To uncover vulnerabilities that should be monitored

Correct

To find insights into the best security controls to use

Correct

To exploit flaws in an application's codebase

This should not be selected

Please review the video about an attacker mindset

10. Consider the following scenario: You are working as a security professional for a school district. An application developer with the school district created an app that connects students to educational resources. You've been assigned to evaluate the security of the app. Using an attacker mindset, which of the following steps would you take to evaluate the application? Select two answers.

Integrate the app with existing educational resources.

This should not be selected

Please review the video about defending attack vectors

Ensure the app's login form works.

This should not be selected

Please review the video about defending attack vectors

Evaluate how the app handles user data.

Correct

Identify the types of users who will interact with the app.

Correct