

Important cybersecurity tools

Core cybersecurity knowledge and skills

Review: Cybersecurity tools and programming languages

▶ Video: Wrap-up

42 sec

📖 Reading: Glossary terms from week 4

10 min

📖 Quiz: Weekly challenge 4

9 questions

Congratulations on completing Course 1!

✔ Congratulations! You passed!

Grade received 97.22%

Latest Submission Grade 97.22%

Weekly challenge 4

To pass 80% or higher

Quiz • 45 min

Go to next item

Review Learning Objectives

1. Which of the following statements correctly describe logs? Select two answers.

1 / 1 point

- ☐ Security logs can be used to perform forensic tasks.
- ☒ A log is used as a formal guide to incident responses.
- ☒ A business might log each time an employee accesses web-based services.

✔ Correct

✔ Receive grade

To Pass 80% or higher

- ☒ Logs helps identify vulnerabilities and potential security breaches.

✔ Correct

👍 Like

👎 Dislike

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2. Which of the following tasks can be performed using SIEM tools? Select three answers.

1 / 1 point

- ☒ Collecting and analyzing data
- ☒ Providing alerts for specific types of risks and threats
- ☒ Helping security analysts identify potential breaches
- ☐ Requesting security data from government agencies

3. Fill in the blank: Instead of reviewing pages and pages of logs to determine if there are any new security threats, analysts can use \_\_\_\_\_ tools, which provide alerts for specific types of threats and risks.

1 / 1 point

- ☐ programming language
- ☐ network protocol analyzer (packet sniffer)
- ☐ operating system
- ☒ security information and event management (SIEM)

✔ Correct

4. Fill in the blank: A security team uses a \_\_\_\_\_ to help them document organizational processes from beginning to end.

1 / 1 point

- ☒ playbook
- ☐ legend
- ☐ toolkit
- ☐ graph

✔ Correct

5. As a security analyst, you are tasked with auditing your organization's network to identify security related issues. How might a network protocol analyzer (packet sniffer) help you perform this task?

1 / 1 point

- ☐ By removing malware and viruses from the network
- ☒ By capturing and analyzing data traffic on the network
- ☐ By automating tasks that reduce human error
- ☐ By simulating attacks on connected devices

✔ Correct

6. What are some key benefits of programming languages? Select all that apply.

1 / 1 point

- ☐ They describe how data is organized.
- ☒ They complete tasks faster than if working manually.
- ☒ They create a specific set of instructions for a computer to execute tasks.
- ☒ They reduce the risk of human error.

✔ Correct

✔ Correct

✔ Correct

7. What term is used to describe publicly available systems, such as Linux?

1 / 1 point

- ☐ Unregulated
- ☒ Open-source
- ☐ Free-for-all
- ☐ Restricted

✔ Correct

8. Fill in the blank: Security professionals can use \_\_\_\_\_ to interact with and request information from a database.

1 / 1 point

- ☒ SQL
- ☐ network protocol analyzers (packet sniffers)
- ☐ playbooks
- ☐ logs

✔ Correct

9. What are some key benefits of using Python to perform security tasks? Select all that apply.

0.75 / 1 point

- ☒ It simplifies repetitive tasks.
- ☒ It helps security professionals be more accurate.
- ☐ It makes static data more dynamic.
- ☐ It is designed for high levels of accuracy.

✔ Correct

✔ Correct

You didn't select all the correct answers