Security Principles

EX-NO:02

DATE:19:02:2025

AIM:

Learn about the security triad and common security models and principles.

PROCEDURE:

    Task 1: Introduction
    Task 2: CIA
    Task 3: DAD
    Task 4: Fundamental Concepts of Security Models
    Task 5: Defence-in-Depth
    Task 6: ISO/IEC 19249
    Task 7: Zero Trust versus Trust but Verify
    Task 8: Threat versus Risk
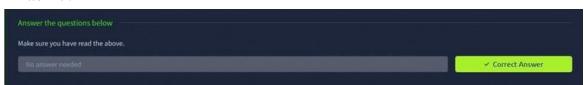   Task 9: Conclusion

Task 1:

Task 2:

Task 3:

The attacker managed to gain access to customer records and dumped them online. What is this attack?

Disclosure — ✓ Correct Answer

A group of attackers were able to locate both the main and the backup power supply systems and switch them off. As a result, the whole network was shut down. What is this attack?

Destruction/Denial — ✓ Correct Answer

Task 4:

Click on "View Site" and answer the four questions. What is the flag that you obtained at the end?

THM{SECURITY_MODELS} — ✓ Correct Answer

Task 5:

Make sure you have read the above.

No answer needed — ✓ Correct Answer

Task 6:

Which principle are you applying when you turn off an insecure server that is not critical to the business?

2 — ✓ Correct Answer

Your company hired a new sales representative. Which principle are they applying when they tell you to give them access only to the company products and prices?

1 — ✓ Correct Answer

While reading the code of an ATM, you noticed a huge chunk of code to handle unexpected situations such as network disconnection and power failure. Which principle are they applying?

5 — ✓ Correct Answer

Task 7:

Make sure you have read the above.

No answer needed — ✓ Correct Answer

Task 8:

Make sure you have read the above.

No answer needed — ✓ Correct Answer

Task 9:

RESULT:

Thus the security principles successfully completed in tryhackme platform.