

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:

Answer the questions below

Think how you would describe something as secure.

No answer needed

✓ Correct Answer

Task 2:

Answer the questions below

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

THM{CIA_TRIAD}

✓ Correct Answer

🔍 Hint

Task 3:

Answer the questions below

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:

Answer the questions below

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

Task 5:

Answer the questions below

Make sure you have read the above.

Task 6:

Answer the questions below

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

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?

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?

Task 7:

Answer the questions below

Make sure you have read the above.

Task 8:

Answer the questions below

Make sure you have read the above.

Task 9:

Answer the questions below

Make sure you have taken notes of all the key terms and acronyms we covered in this room.

RESULT:

Thus the security principles successfully completed in tryhackme platform.

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