

SECURITY PRINCIPLES

EX NO:2

DATE: 19.02.2025

AIM:

TO 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:Introduction

Answer the questions below

Think how you would describe something as secure.

No answer needed

✓ Correct Answer

Task 2:CIA

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:DAD

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: Fundamental Concepts of Security Models

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:Defence-in-Depth

Make sure you have read the above.

No answer needed

✓ Correct Answer

Task 6:ISO/IEC 19249

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

✓ 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?

✓ 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?

✓ Correct Answer

Task 7:Zero Trust versus Trust but Verify

Make sure you have read the above.

✓ Correct Answer

Task 8:Threat versus Risk

Make sure you have read the above.

✓ Correct Answer

Task 9:Conclusion

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

✓ Correct Answer

RESULT:

Thus the security principles successfully completed in tryhackme platform.