

Data Integrity Email

Task

1h

✓ Status

Incomplete

Introduction

In this activity, you will focus on data integrity. Assume you are a new Cyber Security analyst in the company and the Chief Information Officer (CIO) asked you to explain the importance of data integrity.

👉 You can use any file to demonstrate data integrity, where you must change the file and generate the hash before and after the change.

Instructions

Follow the steps given here to demonstrate the importance of data integrity:

1. Create the file (it can be a .TXT file).
2. Generate the hash before the change.
3. Change the file (edit and change something and save the file).
4. Generate the new hash after the change.
5. After the experiment with the file, assume you need to send an email to your manager.
6. Use screenshots (.PNG or .JPEG) and attach them to the email.
7. Explain the importance of data integrity with the example in your email.

📘 **Tip:** you can base your experiment using the NIST SP 800-57.

👉 Draft the email on a Google Doc; it has to be less than 300 words.

📘 After you have drafted the email, you are encouraged to share the Google Doc link with your peers, on Discord, for their feedback. You may also save it to your PKM for future references.

✓ Mark Completed

←

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W07D3

Wed Aug 7

> Lectures (1)

✓ Work (7)

6 hrs

-  Configure Apache Web Server
-  Capture an HTTP and an HTTPS Wireshark PCAP
-  Report to IT Manager
-  Hash Functions, Data Integrity and Digital Signatures
-  Key Establishment Protocols and Management Techniques
-  Data Integrity Email
-  Project Reading

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