

Name : Challenge 2

Domain : Forensics

Author: Kaushik Aduri

Description :

Digital forensics is the application of analysis techniques to gather evidence from a particular computing device in a way that is suitable for presentation in a court of law.

The goal of forensics is to perform a structured investigation and maintain a documented chain of evidence.

Cryptographic hashing is the practice of transforming plain text into cipher text, for the purpose of security.

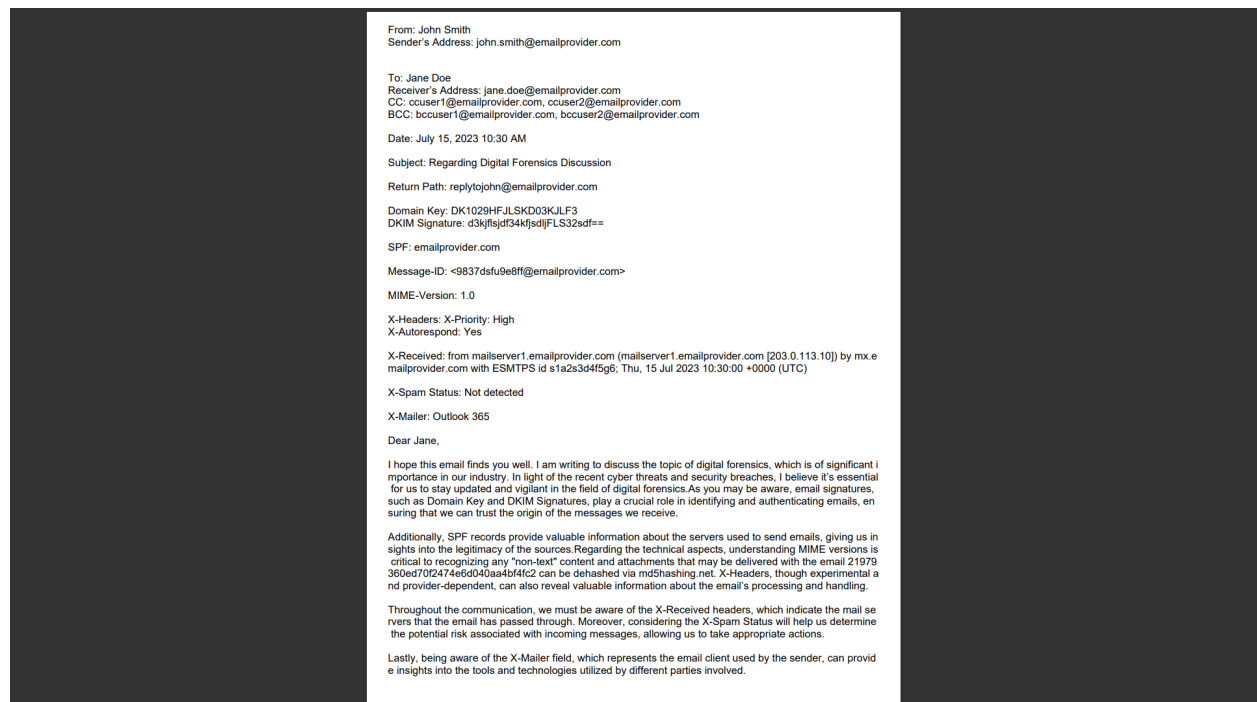
A Hash Value (also called as Hashes or Checksum) is a string value (of specific length), which is the result of calculation of a Hashing Algorithm. Hash Values have different uses. One of the main uses of Hash Values is to determine the Integrity of any Data.

Files Given: Digi_Forensics_Challenge2.pdf

Writeup:

This challenge is basically related to email forensics. So this email consists of a cryptographed hash value that needs to be decoded by the user.

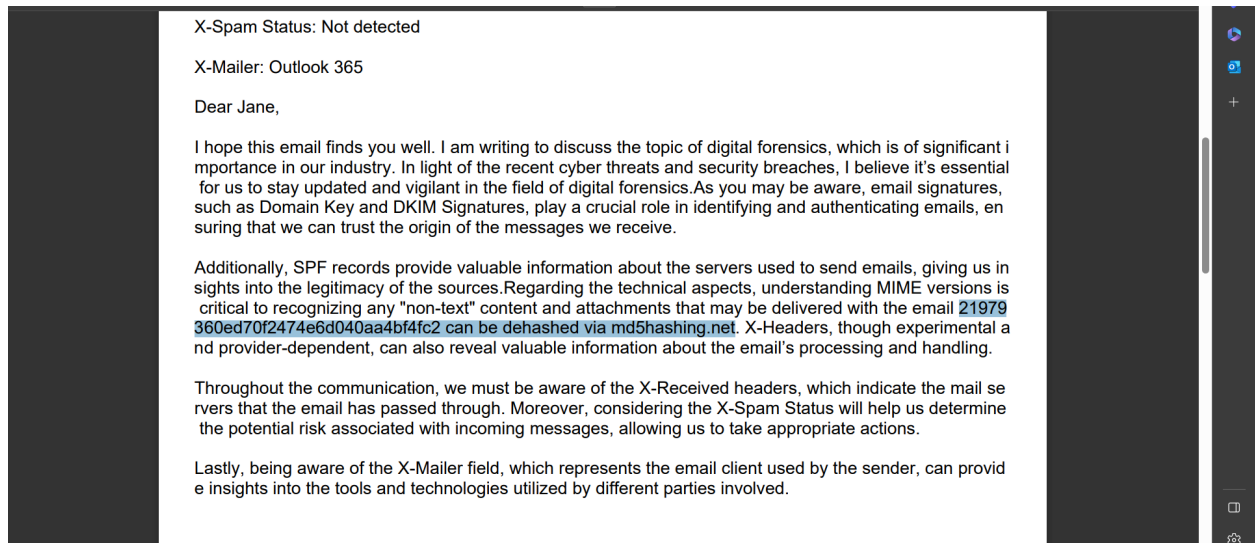
Email in the given file



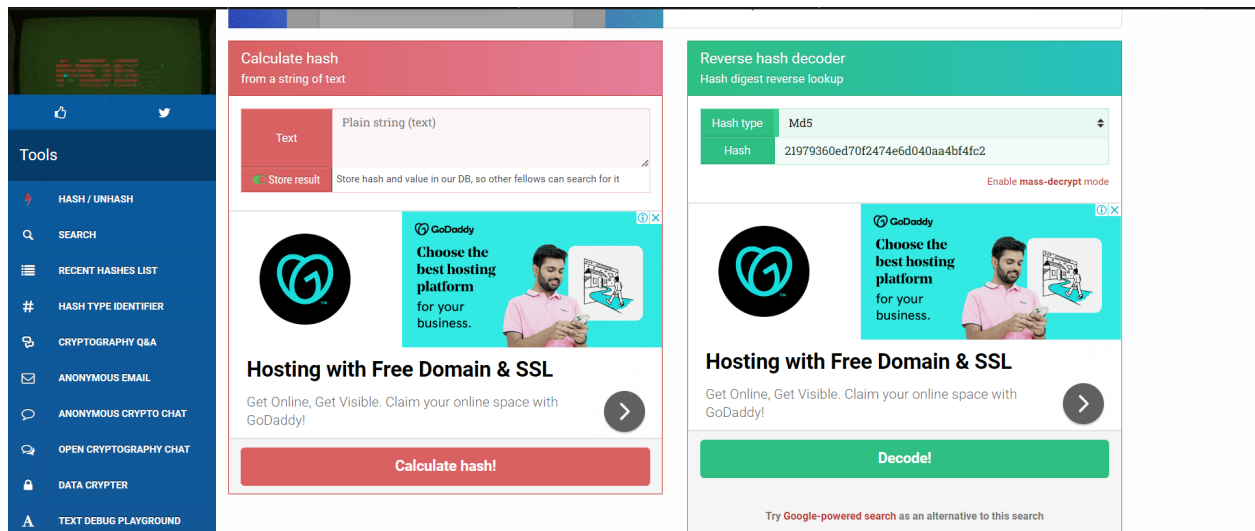
In the mail hash and website to decode is given.

Hash :21979360ed70f2474e6d040aa4bf4fc2

Website: <https://md5hashing.net>



Visit the given website and enter the hash and click on “Decode!”



Reversed hash value is the required flag

The screenshot shows a web application interface. On the left is a dark blue sidebar with a 'Tools' section containing links: HASH / UNHASH, SEARCH, RECENT HASHES LIST, HASH TYPE IDENTIFIER, CRYPTOGRAPHY Q&A, ANONYMOUS EMAIL, and ANONYMOUS CRYPTO CHAT. The main content area has a blue header for 'OnePlus Experience Store' with the text 'Visit OnePlus Store Today' and 'OnePlus Nord 3 5G: Flagship MediaTek Dimensity 9000'. Below this are two buttons: 'Store info' and 'Directions'. The main content is split into two panels. The left panel, titled 'Md5 hash' with subtitle 'calculated hash digest', shows the hash '21979360ed70f2474e6d040aa4bf4fc2' and a 'Copy Hash' button. The right panel, titled 'Md5 value' with subtitle 'Reversed hash value', shows the reversed value 'PCC{T@\$k_2_F0re%\$1sc}' and a 'Copy Value' button. At the bottom right of the right panel is a red link 'Blame this record'.

Md5 hash	Md5 value
calculated hash digest	Reversed hash value
21979360ed70f2474e6d040aa4bf4fc2	PCC{T@\$k_2_F0re%\$1sc}
Copy Hash	Copy Value
	Blame this record

Flag is : PCC{T@\$k_2_F0re%\$1sc}