DEFCON RED TEAM VILLAGE CTF Quals

CRYPTO MISC MIX

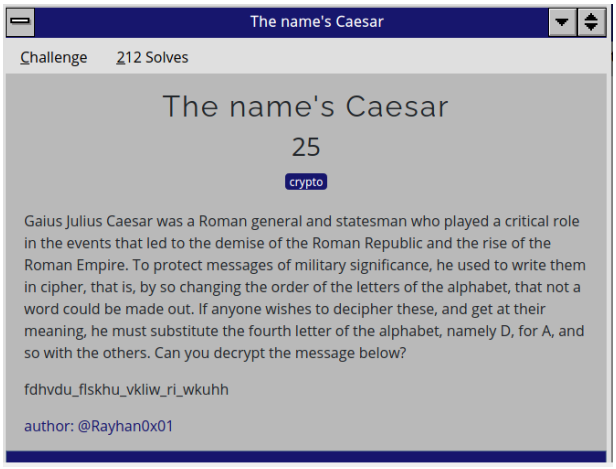
Say what?! >

On-off Keying (denotes the simplest form of amplitude-shift keying (ASK) modulation that represents digital data as the presence or absence of a carrier wave.its simplest form, the presence of a carrier for a specific duration represents a binary one, while its absence for the same duration represents a binary zero.) Paste the given code in decoder named decode.fr and select the appropriate flag.

Flag = flag{what_the_ook?}

ANCIENT CRYPTO CORNER

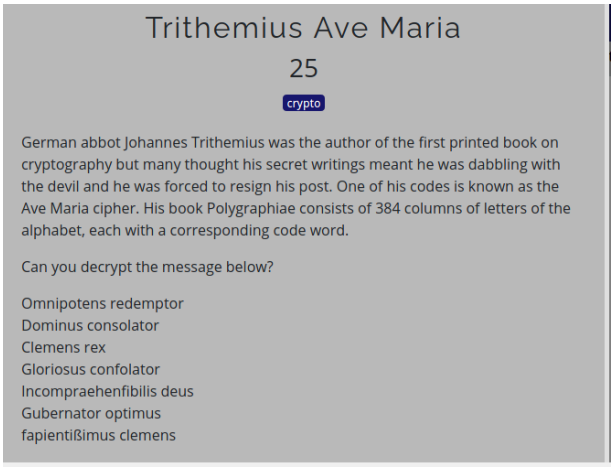
1. The name's Caesar >



As the name suggest it is Carsar Cipher (It uses the substitution of a letter by another one further in the alphabet.), here we will use the decoder (decode.fr) and select the appropriate flag from the list

Flag:- caesar_cipher_shift_of_three

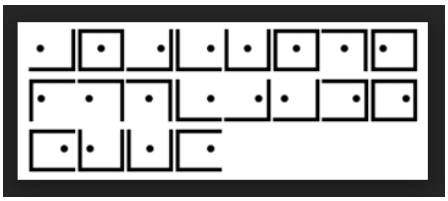
2. Trithemius Ave Maria >



This is Trithemius Ave Marie Cipher (Ave Maria from Trithemius, a kind of poem / psalm in Latin whose words/verses hide a secret message.) after decoding the poem on decode.fr select the appropriate meaningful flag from the list

Flag:- STEGANOGRAPHIA

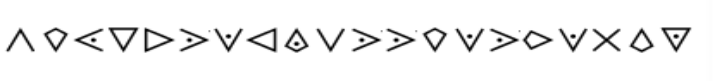
3. Rosicrucian Brotherhood >



This is Rosicrucian Cipher (The **Rosicrucian** encryption replaces each letter of the alphabet with a symbol (number by substitution)in Latin alphabets) we will use the decoder (decode.fr) and select the appropriate meaningful flag from the list

Flag:- ANCIENTMYSTICCLORDER

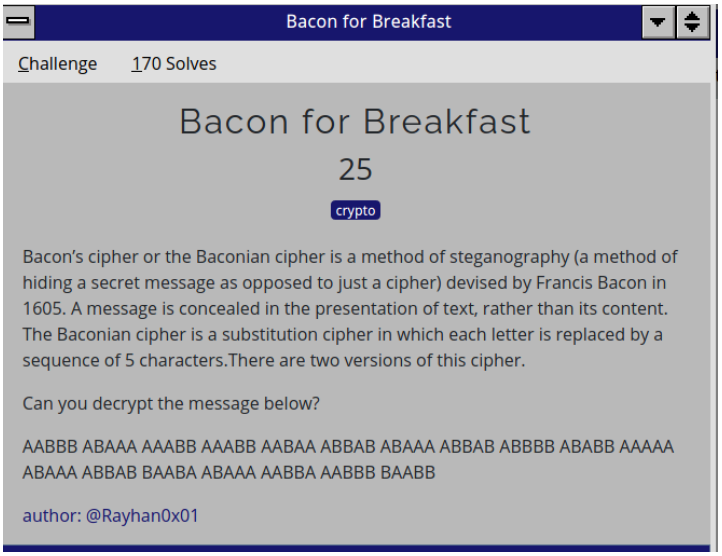
4. Order of the Temple >



According to the question it is Templars Cipher (Knights Templars Ciphers is a substitution code replacing letters by symbols from the Maltese Cross, icon of Order of the Temple.) here we will use the decoder (decode.fr) and select the appropriate meaningful flag from the list

Flag:- CIPHEROFWARRIORMONKS

5. Bacon for Breakfast >



Bacon Cipher (a biliteral substitution alphabet which replace a character with a group of 5 formed with two letters (often A and B)) using the decoder (decode.fr) select the appropriate meaningful flag from the list

Flag:- HIDDENINPLAINSIGHT

6. Queen of Scots >

Queen of Scots

25

crypto

Mary, Queen of Scots (8 December 1542 – 8 February 1587), also known as Mary Stuart or Mary I of Scotland, reigned over Scotland from 14 December 1542 until her forced abdication on 24 July 1567. She was forced to renounce her throne in favour of her one-year-old son. After an unsuccessful attempt to regain the throne, she fled southward seeking the protection of her first cousin once removed Queen Elizabeth I of England. Mary had once claimed Elizabeth's throne as her own and was considered the legitimate sovereign of England by many English Catholics, including participants in a rebellion known as the Rising of the North. Perceiving Mary as a threat, Elizabeth had her confined in various castles and manor houses in the interior of England. Mary wanted to assassinate Queen Elizabeth I, and began exchanging messages with her co-conspirators, in particular Anthony Babington. This was dubbed the Babington Plot. Their messages were so treacherous that they were enciphered, so that they could not be read if they fell into the wrong hands. Mary's messages were captured by Elizabeth's spies and they were cracked by her chief codebreaker. Mary was immediately arrested, put on trial and the deciphered messages were used as evidence of her treachery. She was found guilty and was executed in 1587.

Can you decrypt the message in this picture below?

Download Link

author: @Rayhan0x01

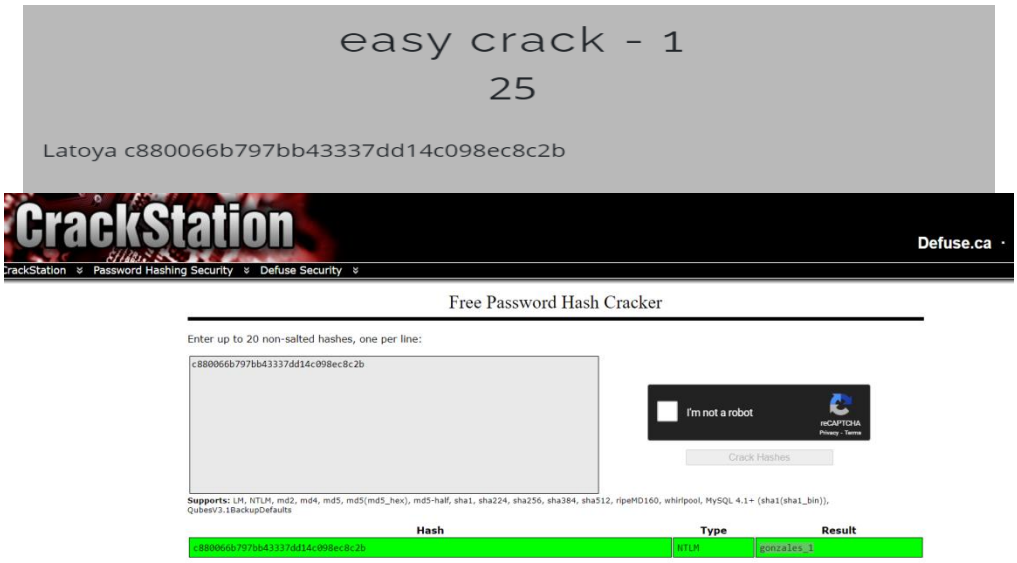
Mary Stuart code (it is a substitution cryptogram by symbols extended to the words used by the Queen of Scots.), using decode.fr and selecting the appropriate and meaningful flag from the list

Flag:- FREWHATUENCYANALYSISGOTME

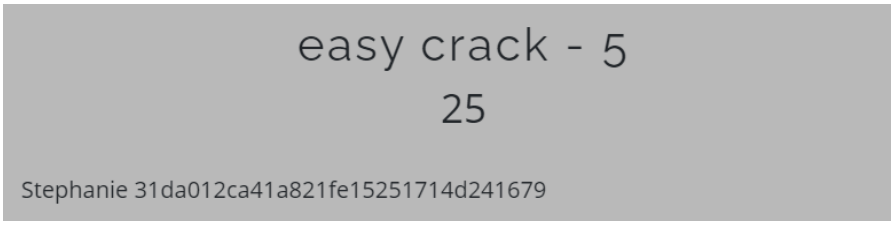
HASHING

- Easy Crack 1 >
  In this we just have to identify the type of the hash code given as question and then decode it respectively. In this question the hash code is NTLM hash (In a Windows network, **NT (New Technology) LAN Manager** (**NTLM**) is a suite of Microsoft security protocols intended to provide authentication, integrity, and confidentiality to users.) we have decoded it in CrackStation

  Flag = gonzales_1

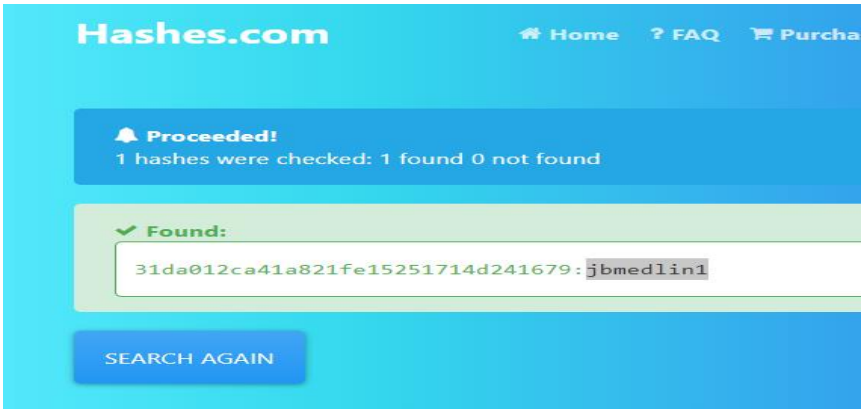


- Easy Crack 5 >
  First identify the type of hash code given and then decode it (Hashes.com)



  The given code is HexaDecimal (In mathematics and computing, the **hexadecimal** (also **base 16** or **hex**) numeral system is a positional numeral system that represents numbers using a radix (base) of 16.)

  Flag = jbmedlin1



OSINT

Little Blue Bird >

In this we just simply checked for all post the post by @NOPResearcher on Twitter in order to acquire the flag

Flag = ts{FollowUsForMoreCTFs}