vishwaCTF

CHALLENGE NAME : [THEY-ARE-COMING]

DEV : [Samarth Ghante]

CATEGORY : [Web]

LEVEL : [Easy]

2024

Description:

Aesthetic Looking army of 128 Robots with AGI Capabilities are coming to destroy our locality!

Whats The Catch?

Its Simple Challenge, You just have to follow the hints!

Flag: VishwaRecruits{g0_Su8m1t_1t_Qu14kl7}

This Home Page is hinting you to the "/robots.txt" directory! Its Obvious...

Robots have gained the ability to think like Humans!!
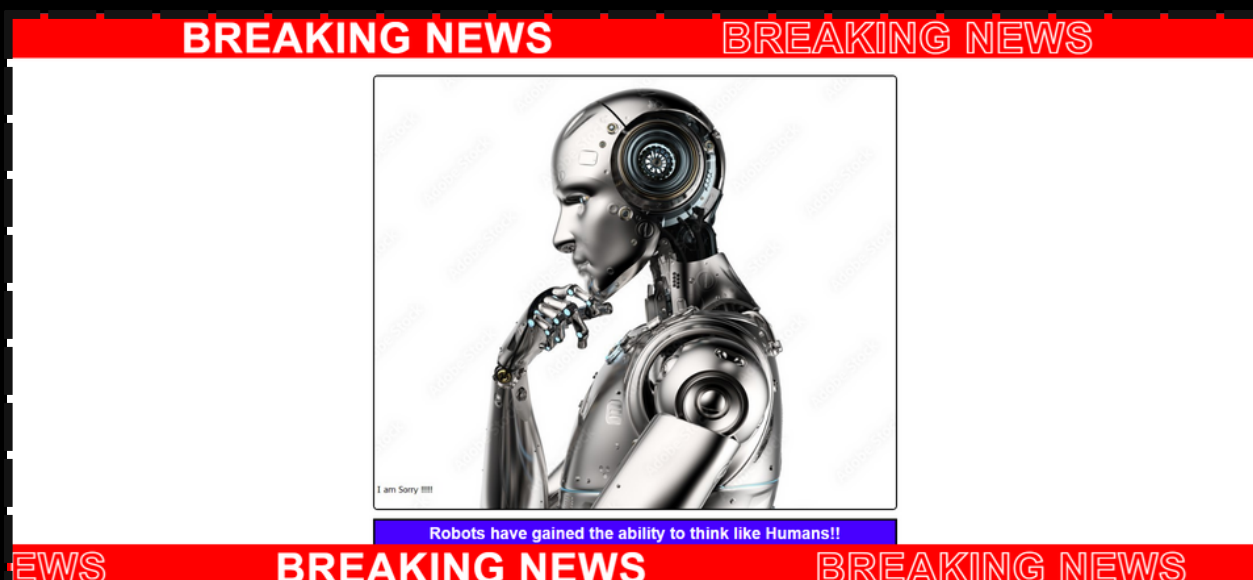
Then, You will find one Encrypted Text & Decrption Key!

```
# https://www.robotstxt.org/robotstxt.html
User-agent: *
Disallow: /admin
L3NlY3JldC1sb2NhdGlvbg==
Decryption key: th1s_1s_n0t_t5e_f1a9
```

When you decode the cipher text using Base64 decoder, you will get "/secret-location"

Decode from Base64 format
Simply enter your data then push the decode button.

L3NlY3JldC1sb2NhdGlvbg==

ⓘ For encoded binaries (like images, documents, etc.) use the file upload form a little further down on this page.

UTF-8 ∨   Source character set.

☐   Decode each line separately (useful for when you have multiple entries).

◉ Live mode ON   Decodes in real-time as you type or paste (supports only the UTF-8 character set).

‹ DECODE ›   Decodes your data into the area below.

/secret-location

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on **/secret-location,**
you will see this statement

A Courrpt AI Agent and Its Army of 128 Aesthetic Looking Robots Are Heading Towards Local Vault of the City of Dawn!

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The Statement Have Some **Keywords!**

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It Hints:
1. The Encryption Type: AES128 CBC (This hint was also available in the source code html file)
2. Local Storage of your browser

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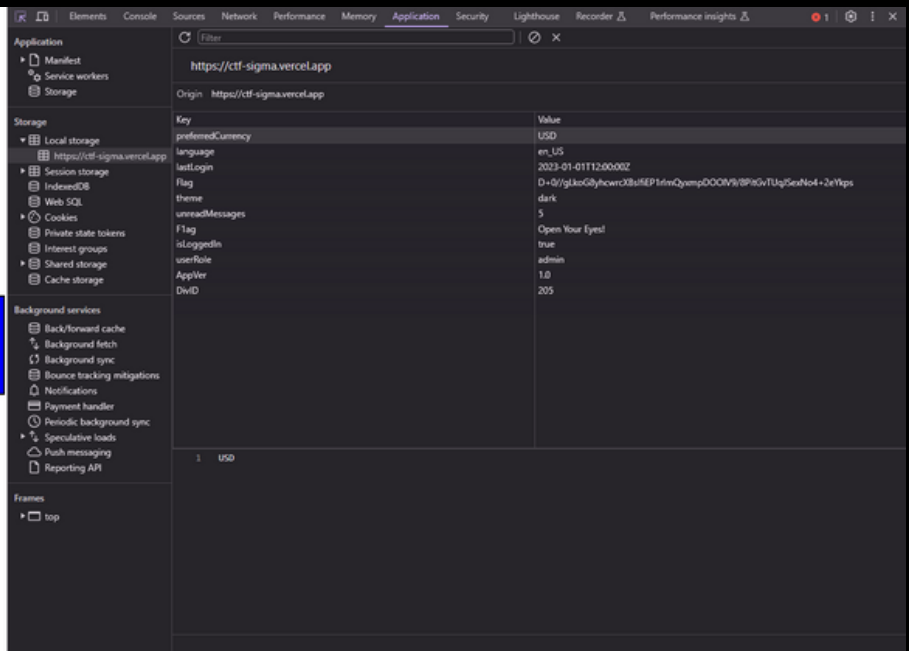
The Local Storage has The flag field with a cipher text in it.

To Decrypt it we must know the encryption type & the decryption key!

We know the encryption type and we also have the decrption key in the rebots.txt

There was another catch, We must use the decrytion site doesn't mandate the size of key in bits!
Such Site is: https://encode-decode.com/aes-128-cbc-encrypt-online/

Now Simply Decrypt and get the flag!