MR. ROBOT

1. In this challenge it looks like the txt file contains a hash that we've to identify. There are multiple ways of doing this by using Google or different tools but in this I've used Hash-Identifier with is a Command-Line tool that's pre installed with Kali and is very easy to use if you know you're way around a terminal. Ill also provide an easier way to identify the hash using Google.

Challenge   0 Solves   ×

unm4sk_pt1
300

How do I take off a mask when it stops being a mask, whens it's as much part of me as I am?
File looks to me masked with some sort of hash algorithm, identifing what hash algorithm is masking the clear text is the flag for this one.

Syntax EVILCORP{HASHALGORITHM}

⬇ hash.txt

Flag   Submit

2. Lets break down what's happening in the screenshot below to identify the hash.
   1. ls command at the start - this is used first to list the directory that we are in and to check can we see the downloads directory because anything you download in Kali goes to this folder just like other OS.
   2. cd command - This Command changes into the Downloads directory so now we are in the downloads folder.
   3. Use ls command again - this is to make sure can we see the hash.txt file that we just downloaded and we can.
   4. cat command - this prints the contents of what's inside file and as you can see its a long text of what looks gibberish but is the hash.
   5. Hash-identifier command - this command runs the hash-identifier tool and as you can see it prompts you to enter a hash.
   6. Copy the hash that the cat command done and paste it into where hash-identifier is prompting you.
   7. As you can see it produces possible hashes and the first one we see is SHA-512, so this looks like to be our flag. The hash is a SHA-512.

```
                                                Ryan@kali: ~/Downloads
File  Actions  Edit  View  Help
┌──(Ryan㉿kali)-[~]
└─$ ls
CTFBsides  Desktop  Documents  Downloads  mrrobot  Music  Pictures  Public  Templates  Videos
┌──(Ryan㉿kali)-[~]
└─$ cd Downloads/
┌──(Ryan㉿kali)-[~/Downloads]
└─$ ls
hash.txt  ptw.cap  rockyou.txt
┌──(Ryan㉿kali)-[~/Downloads]
└─$ cat hash.txt
B6B8864FA419001F092BECECAD688289AEFA16EE723A3957DB54F49AA7508CEE7106DA5D11B3BB83E65E8026C3985CAF99D988190925B37B2DDF5AB6728621C6
┌──(Ryan㉿kali)-[~/Downloads]
└─$ hash-identifier
    ##########################################################################
    #                                                                        #
    #    /\ \/\ \                    /\ \            /\__ _\ /\ `\            #
    #    \ \ \/\ \                  /\ \ \          \/_/\ \/ \ \ \/ \        #
    #     \ \ \ \ \  ___   ____    \ \ \__  ___      \ \ \  \ \ \__\ \       #
    #      \ \ \ \ \/\ _ `\/ __`\   \ \ _ `\/\ _ `\   \ \ \  \ \  __ \      #
    #       \ \ \_\ \ \ \/\ \ \_\ \_ \ \ \ \ \ \/\ \   \ \ \  \ \ \/\ \     #
    #        \ \_____\ \_\ \_\____/ \ \_\ \_\ \_\ \_\   \ \_\  \ \_\ \_\    #
    #         \/_____/\/_/\/_/\/___/   \/_/\/_/\/_/\/_/   \/_/   \/_/\/_/ v1.2 #
    #                                                             By Zion3R #
    #                                                     www.Blackploit.com #
    #                                                     Root@Blackploit.com #
    ##########################################################################
--------------------------------------------------------------------
 HASH: B6B8864FA419001F092BECECAD688289AEFA16EE723A3957DB54F49AA7508CEE7106DA5D11B3BB83E65E8026C3985CAF99D988190925B37B2DDF5AB6728621C6

Possible Hashs:
[+] SHA-512
[+] Whirlpool

Least Possible Hashs:
[+] SHA-512(HMAC)
[+] Whirlpool(HMAC)
--------------------------------------------------------------------
 HASH: █
```

3. Notice the dash is taken awa, sometimes in CTF events you may have the right
    answer but you have to try the answer in different ways so in this instance the dash
    is not needed for the flag.

Challenge   0 Solves   ✕

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Syntax EVILCORP_CTF{HASHALGORITHM}

⬇ hash.txt

EVILCORP_CTF{SHA512}   Submit

Using Google

1. Download the txt file and open it up. You should see the same contents as shown below, copy the contents of the file
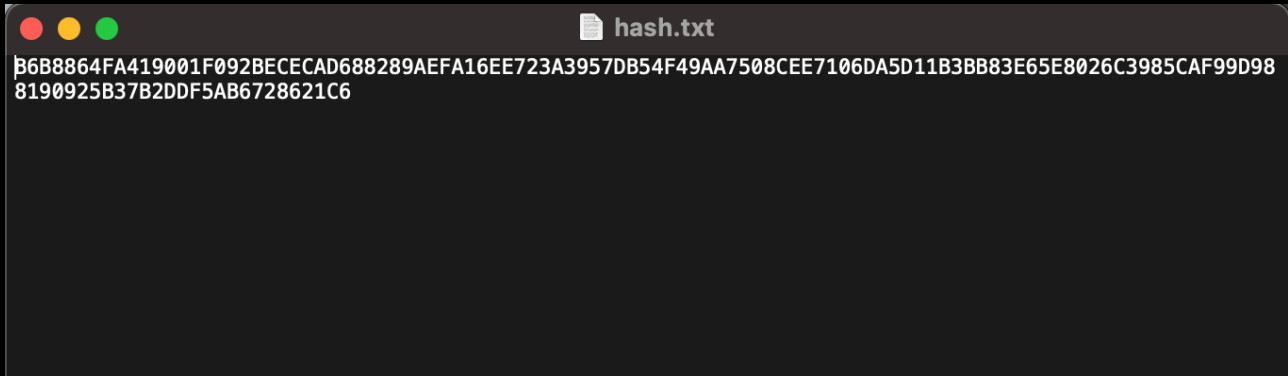
2. Google hash identifier online, the online tool used for this example is:

https://www.tunnelsup.com/hash-analyzer/

3. Paste the hash into the text field and click analyse. Notice down below beside hash type it says SHA2-512. For the flag don't worry about the 2 after SHA just leave that out. Above at the end of page 2 shows how to enter it into the text field