HuntressCTF-Baking-Challenge-ZtheAPT

Once you connect to the challenge machine and receive the web link, navigate to the web page:

It is a Baking "cookies" website:

When choosing the "Magic Cookies" selection, we get a counter with 120 hours:

EZ Bake Oven

Doughnuts (30 minutes)	Cook
Brownie (50 minutes)	Cook
Carrot Cake (40 minutes)	Cook
Muffins (15 minutes)	Cook
Chocolate Cake (90 minutes)	Cook
Magic Cookies (7200 minutes)	Cook

Your **Magic Cookies** are in the oven!

119h 59m 33s
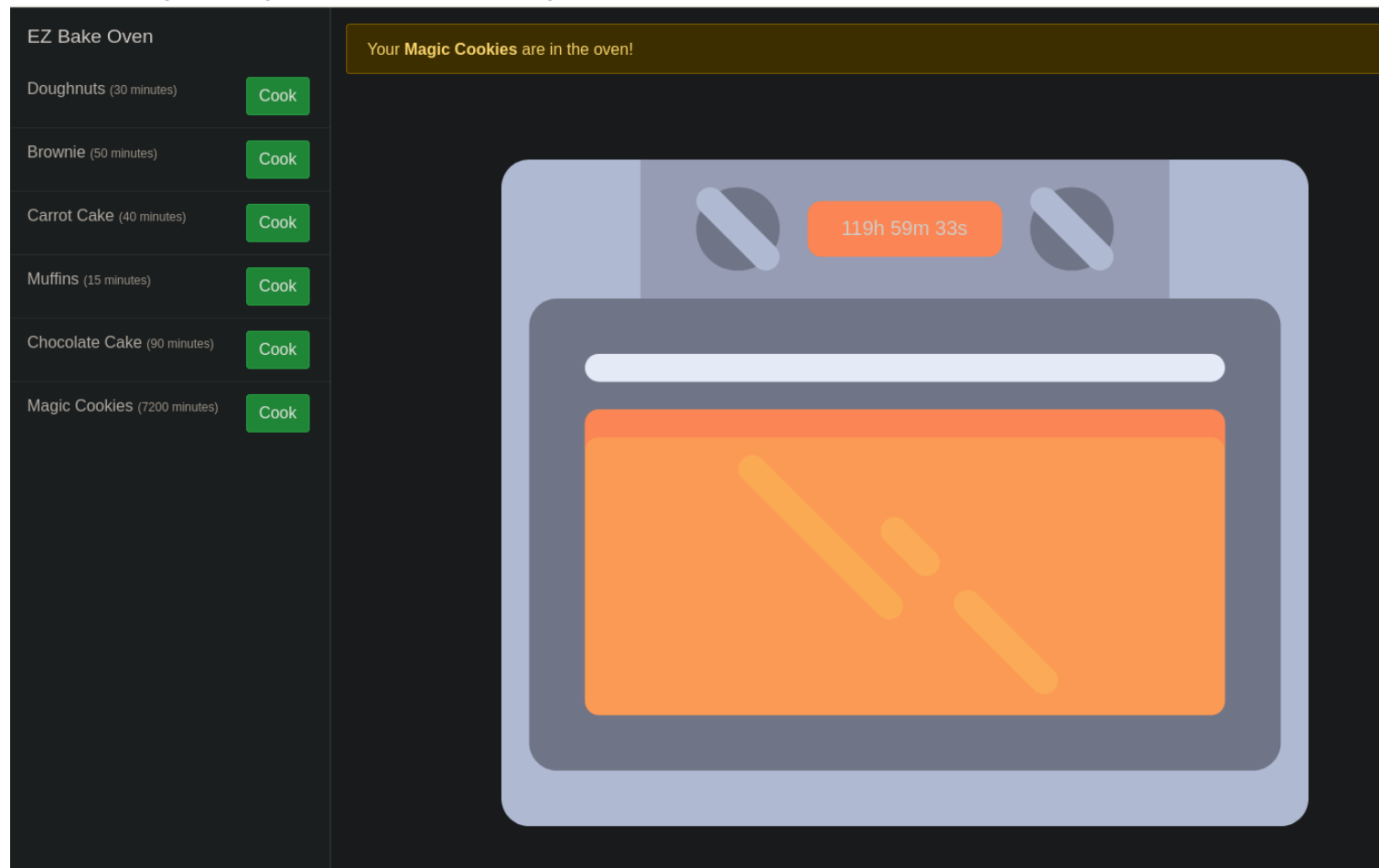
With the key word "cookies" being used, I moved to inspect page to examine the cookie of the page:
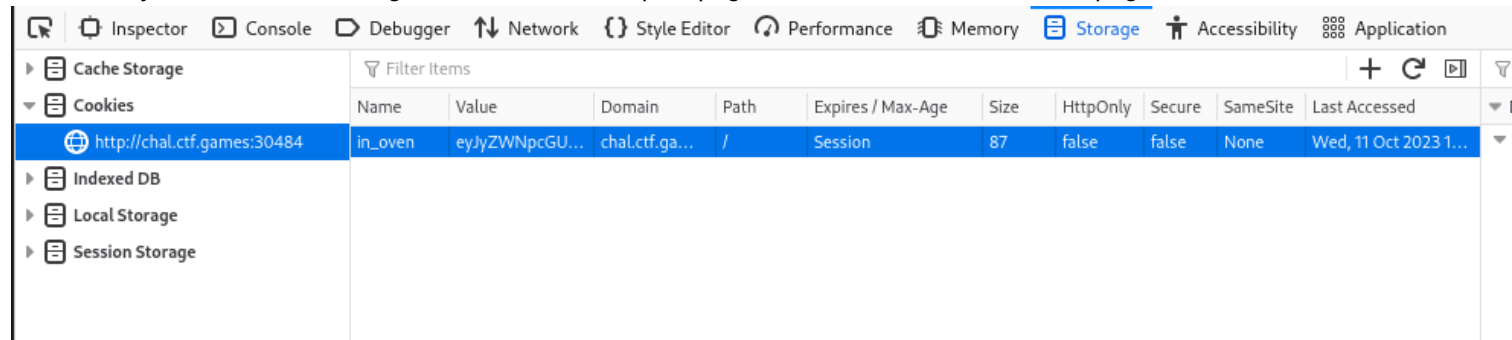
Taking the cookie value from the inspect page area into Cyberchef, I decoded the string using "From Base64" as the recipe:


```
Recipe                                    Input                          start: 78    length: 80    +  □ ⊡ î ▭
                                                                         end: 79     lines: 1
                                                                         length: 1
From Base64                    ⊘ ‖        eyJyZWNpcGUiOiAiTWFnaWMgQ29va2llcyIsICJ0aW1lIjogIjEwLzExLzIwMjMsIDE1OjA4OjQ3In
                                          9=
Alphabet
A-Za-z0-9+/=                      ▾

☑ Remove non-alphabet chars


                                          ........
                                    Output                         start: 59    time: 1ms   □ □ □ ↰ ⌝⌞
                                                                   end: 59     length: 59
                                                                   length: 0   lines: 1
                                          {"recipe": "Magic Cookies", "time": "10/11/2023, 15:08:47"}
```

Upon further research, I found a time calculator we can make use of. Taking the time in the decoded string, we can subtract the given baking time. This should help it finish sooner without waiting for the full baking time:

Calculator.net

FINANCIAL   FITNESS & HEALTH   MATH   **OTHER**

home / other / time calculator

Time Calculator

This calculator can be used to "add" or "subtract" two time values. Input fields can be left blank, which will be taken as 0 by default.

Result

  11 days 14 hours 39 minutes 50 seconds
- 0 days 119 hours 55 minutes 0 seconds

= 6 days 14 hours 44 minutes 50 seconds
= 6.614468 days
= 158.74722 hours
= 9,524.833 minutes
= 571,490 seconds

Day	Hour	Minute	Second
11	15	08	0

○ Add+   ◉ Subtract−

0	119	43	0

=

6	14	44	50

Calculate ▶ Clear

[Search]

Other Calculators

Age	Date
Time	Hours
GPA	Grade
Height	Concrete
IP Subnet	Bra Size
Password Generator	Dice Roller
Conversion	More Other Calculators

Financial | Fitness and Health | Math | Other

With the calculated time, change the string and encode it with "To Base64" recipe:

Recipe	Input	length: 59 lines: 1

From Base64

Alphabet
A-Za-z0-9+/=

☑ Remove non-alphabet chars

To Base64

Alphabet
A-Za-z0-9+/=

Input:
{"recipe": "Magic Cookies", "time": "10/11/2023, 14:44:47"}

Output time: 0ms length: 80 lines: 1

eyJyZWNpcGUiOiAiTWFnaWMgQ29va2llcyIsICJ0aW1lIjogIjEwLzExLzIwMjMsIDE0OjQ0OjQ3In0=

After editing and encoding the string, we will copy the output string and place it into the cookies area of the inspect page.

Once you pasted the string and refresh the page, the cookies finish baking and we receive the flag!!!:

EZ Bake Oven

Doughnuts (30 minutes)   Cook

Brownie (50 minutes)   Cook

Carrot Cake (40 minutes)   Cook

Muffins (15 minutes)   Cook

Chocolate Cake (90 minutes)   Cook

Magic Cookies (7200 minutes)   Cook

Your **Magic Cookies** are done! Be careful they are hot! Congratulations
flag{c36fb6ebdbc2c44e6198bf4154d94ed4}

0h 0m 0s

Inspe

▶ Cache Stor
▼ Cookies
    🌐 http://ch
▶ Indexed DB
▶ Local Stor
▶ Session St

🗑 ▽ Filter C