StringCheese

How to get 15 first bloods in 15 seconds



About the author

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Let's solve some challs!

But how does it work?



Underlying algorithm

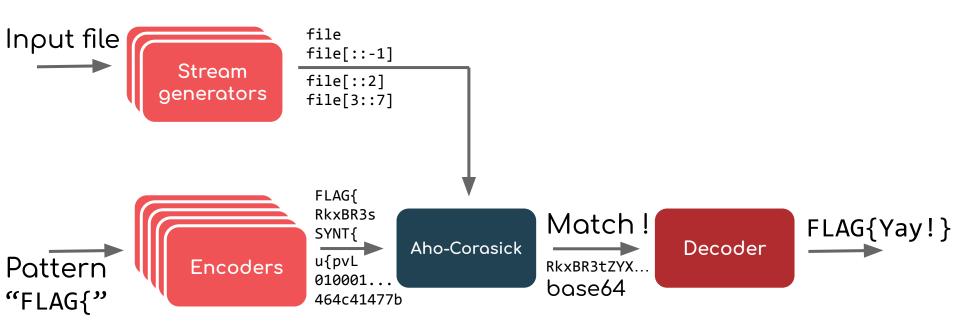
Under the hood: strings | grep FLAG{ with cocaine and steroids

Pattern matching

Use of the Aho-Corasick Algorithm

- Single stream, multiple patterns
- Formerly used in grep
- Fast implementation in C

Flag processing



Pattern matching

Detect any (implemented) encoding with regular spacing inside the file

Pattern matching

```
1oc 1293:
                                         ; CODE XREF: main+1351j
                                                                                                                      45 FC 01 00 00 00 48
                MOV
                        rax, [rbp+var 20]
                        rax, 8
                add
                        rax, [rax]
                MOV
                        rax, 8
                add
                        eax_hute ptr [rax]
                MOVZX
                        al, 70h
                cmp
                        short loc 1280
                jz
                         [rbp+var 4], 0
loc 12B0:
                                         ; CODE XREF: main+1521j
                MOV
                        rax, [rbp+var_20]
                        rax, 8
                add
                        rax, [rax]
                MOV
                        rax, 9
                add
                        eax_hute ptr [rax]
                MOVZX
                        al, 6Ch
                cmp
                iz
                        short loc 12CD
                         [rbp+var 4], 0
                mov
loc 12CD:
                                         ; CODE XREF: main+16Ffj
                        rax, [rbp+var 20]
                MOV
                        rax, 8
                add
                        rax, [rax]
                MOV
                        rax, OAh
                add
                        eax, bute ptr [rax]
                MOVZX
                        al, 65h
                cmp
                         short loc 12EA
                jz
                        [rbp+var 4], 0
                mov
10c 12EA:
                                         ; CODE XREF: main+18Cfj
                MOV
                        rax, [rbp+var 20]
                        rax, 8
                add
                         rax. [rax]
                mnu
```

How do I use it?

pip install stringcheese

How do I help?



MathisHammel/stringcheese

Contributions are welcome!

Thanks!

Any questions?

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