MISC常见题型整理

原创

 Angel~Yan
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 分类专栏:
 MISC

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MISC 专栏收录该内容

2 篇文章 0 订阅 订阅专栏 题目打包在这里 提取码: fhkb

MISC

流量包分析

流量包_1

流量包_2

流量包_3

图片隐写

- 图片隐写_1
- 图片隐写_2
- 图片隐写_3
- 图片隐写_4

图片隐写_5

图片隐写_6

音频隐写

- 音频隐写 1
- 音频隐写_3
- 音频隐写_4
- 音频隐写_5

取证分析

取证分析_1

取证分析_2

神秘的文件

disk



| 流 | 量 | 包 | 1 |
|---|---|---|---|
| | | | |

Х

| I | | | | | | | | | | |
|---|--------------|------------------------|--------------|----------------------------|--------------------|--------------------|-----------------------|--|--------------------------|---|
| | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 2 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2&Submit | =Submit HTTP/1.1" | 200 1765 "http://127 | .0.0.1:8001/vulnerabi | ilities/sqli_blind/?id=1 | I&Submit=Submit" "M |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 2 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2&Submit | =Submit&DieL=37 | 13 AND 1=1 UNION A | ALL SELECT 1,NULL,' <s< th=""><th>script%3Ealert("XSS")</th><th></th></s<> | script%3Ealert("XSS") | |
| 1 | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 3 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2&Submit | =Submit HTTP/1.1" | 200 1765 "http://127 | 7.0.0.1:8001/vulnerabi | ilities/sqli_blind/?id=1 | I&Submit=Submit" "M |
| 1 | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 3 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2,("'.(,&S | ubmit=Submit HTT | P/1.1" 404 5476 "http | ://127.0.0.1:8001/vul | nerabilities/sqli_blind | /?id=1&Submit=Subm |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 3 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2'PHtjkC<' | "%3EwOmGYB&Su | bmit=Submit HTTP/1. | .1" 404 5476 "http://1 | 127.0.0.1:8001/vulner | abilities/sqli_blind/?id= |
| ł | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2) AND 39 | 39=8029 AND (389 | 98=3898&Submit=Su | bmit HTTP/1.1" 200 1 | 765 "http://127.0.0.1 | :8001/vulnerabilities/sc |
| 1 | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2) AND 63 | 55=6355 AND (117 | 79=1179&Submit=Su | bmit HTTP/1.1" 200 1 | 765 "http://127.0.0.1 | :8001/vulnerabilities/sc |
| 1 | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2 AND 181 | 3=7956&Submit= | Submit HTTP/1.1" 200 |) 1765 "http://127.0.0 | 0.1:8001/vulnerabilitie | s/sqli_blind/?id=1&Sul |
| 1 | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2 AND 635 | 5=6355&Submit= | Submit HTTP/1.1" 200 |) 1765 "http://127.0.0 | 0.1:8001/vulnerabilitie | s/sqli_blind/?id=1&Sul |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2 AND 365 | 9=4375 DKNq& | Submit=Submit HTTP, | /1.1" 200 1765 "http:/ | //127.0.0.1:8001/vuln | erabilities/sqli_blind/?ie |
| 1 | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2 AND 635 | 5=6355 PEdd&S | ubmit=Submit HTTP/ | 1.1" 200 1765 "http:// | /127.0.0.1:8001/vulne | erabilities/sqli_blind/?id |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2') AND 69 | 27=9421 AND ('gl | //kv'='gMkv&Submit= | =Submit HTTP/1.1" 40 | 04 5476 "http://127.0 | .0.1:8001/vulnerabilitie |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2') AND 63 | 855=6355 AND ('W | GPX'='WGPX&Submit | t=Submit HTTP/1.1" 4 | 04 5476 "http://127. | 0.0.1:8001/vulnerabiliti |
| 1 | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND 80 | 78=8563 AND 'Wfg | gl'='Wfgl&Submit=Su | bmit HTTP/1.1" 404 5 | 476 "http://127.0.0.1 | :8001/vulnerabilities/sc |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND 63 | 55=6355 AND 'bOi | T'='bOiT&Submit=Su | bmit HTTP/1.1" 200 1 | 765 "http://127.0.0.1 | :8001/vulnerabilities/sc |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND 67 | 39=3560 AND 'qUx | P'='qUxP&Submit=Sı، | ubmit HTTP/1.1" 404 | 5476 "http://127.0.0. | 1:8001/vulnerabilities/s |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND (SE | LECT CHR(67)&CH | R(65)&CHR(114)&CH | R(114) FROM MSysAc | cessObjects)=CHR(67 | 7)&CHR(65)&CHR(114) |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND (SE | LECT CHR(87) | R(107) CHR(114) CHR | (109) FROM SYSIBM. | SYSDUMMY1)=CHR(| 87) CHR(107) CHR(114 |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND (SE | LECT 'SKrh' FROM | RDB\$DATABASE)='SK | (rh' AND 'Jvsf'='Jvsf& | Submit=Submit HTTF | 2/1.1" 404 5476 "http:/ |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND (SE | LECT CHAR(81) | IAR(106) CHAR(111) | CHAR(70) FROM INFO | ORMATION_SCHEMA | SYSTEM_USERS)=CHA |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND (SE | LECT 'tkVk' FROM | SYSMASTER:SYSDUAL | _)='tkVk' AND 'KCxq'= | ='KCxq&Submit=Sub | mit HTTP/1.1" 404 547 |
| ĵ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND (SE | LECT 'wirJ' FROM \ | /ERSIONS)='wIrJ' ANI | O 'JTCY'='JTCY&Subm | it=Submit HTTP/1.1" | 404 5476 "http://127.(|
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND (SE | LECT CHAR(75)+Cl | HAR(90)+CHAR(102)+ | CHAR(74))=CHAR(75 |)+CHAR(90)+CHAR(1 | 102)+CHAR(74) AND 'N |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND (SE | LECT CHAR(75)+CH | HAR(90)+CHAR(102)+ | CHAR(74))=CHAR(12 | 1)+CHAR(73)+CHAR | (65)+CHAR(117) AND ' |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND (SE | LECT 0x515a424a) | =0x515a424a AND 'G | tzm'='Gtzm&Submit= | Submit HTTP/1.1" 20 | J0 1765 "http://127.0.0 |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 4 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND (SE | LECT 0x515a424a) | =0x546e5776 AND 'yz | zVs'='yzVs&Submit=S | Submit HTTP/1.1" 404 | 1 5476 "http://127.0.0." |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 6 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND 25 | =25 AND 'PHUU'=' | PHUU&Submit=Subm | nit HTTP/1.1" 200 176 | 5 "http://127.0.0.1:80 | 001/vulnerabilities/sqli_ |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 6 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND 25 | =76 AND 'SYdD'='9 | SYdD&Submit=Submi | it HTTP/1.1" 404 5476 | 6 http://127.0.0.1:800 | 01/vulnerabilities/sqli_k |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 6 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND 76 | =64 AND 'KhRF'='k | ChRF&Submit=Submit | t HTTP/1.1" 404 5476 | "http://127.0.0.1:800 | 1/vulnerabilities/sqli_b |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 6 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND 64 | =64 AND 'golL'='g | oIL&Submit=Submit I | HTTP/1.1" 200 1765 " | http://127.0.0.1:8001 | /vulnerabilities/sqli_blir |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 6 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND 76 | 64 AND 'gaGn'='g | aGn&Submit=Submit | HTTP/1.1" 404 5476 | "http://127.0.0.1:800" | 1/vulnerabilities/sqli_bl |
| ľ | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 6 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND 97 | 96= | | | | |
| 1 | 172.17.0.1 - | - [03/Nov/2018:02:50:0 | 6 +0000] "GE | T /vulnerabilities/sqli_bl | ind/?id=2' AND (27 | '59)=2759 AND 'Jz | tl'='Jztl&Submit=Subr | mit HTTP/1.1" 200 17 | 65 "http://127.0.0.1:8 | 001/vulnerabilities/sqli |
| | | | | | | | | | | وليلفظ فينتقبنا بالانتا فالمتعاصين متصبيته مرميته |

是一个日志文件,用 notepad++打开查看,更清晰明了一些,利用插件解码

☑ *G:\浏览器下载\llq\易霖博题目\流量包_1\access.log - Notepad++ 0 文件(F)编辑(E) 搜索(S) 视图(V)编码(N)语言(L)设置(T) 工具(O) 宏(M)运行(R) 插件(P) 窗口(W) ? ි 🖶 🗄 🖻 🕞 🍋 🕹 🕹 🖿 🖿 🔿 🗲 📾 🏣 🔍 🔍 📴 🖼 🎫 1 🔳 🖛 MIME Tools
 Cont. Leg
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 NO GO DUTI (LEELET INTLL (AT COLUM, TYPE AS CHAR), 023)
 FMME Loop
 Same44 for code with packing and the set of code with Base64 Encode Converter Base64 Encode with padding 🖶 access.log🛛

大致看了一下是二分法的sql盲注,每一条语句返回的状态码有200和404

我们往后继续看,看到有 flag_is_here 的记录,%3E通过url解码后是'>

AND ORD(MID((SELECT IFNULL(CAST(GOUNT(*) AS CHAR),0x20) FROM dvwa.flag is_here),2,1))%3E9 AND 'ceEi'='ceEi&Submit=Submit HTTP/1.1" 404 5476 "http://127.0.0.1:8001/vulnerabilities/sqli AND ORD(MID((SELECT IFNULL(CAST(flag AS CHAR),0x20) FROM dvwa.flag is_here ORDER BY flag LIMIT 0,1),1,1))%3E64 AND 'RCKM'='RCKM&Submit=Submit HTTP/1.1" 200 1765 "http://127.0.0.1:8001 AND ORD(MID((SELECT IFNULL(CAST(flag AS CHAR),0x20) FROM dvwa.flag is_here ORDER BY flag LIMIT 0,1),1,1))%3E96 AND 'RCKM'='RCKM&Submit=Submit HTTP/1.1" 200 1765 "http://127.0.0.1:8001

如何判断flag的第一个字符呢?

在sql盲注里测试的字符的 最后一条状态码为 200 的语句 的ASCII值再加1就是猜解正确的ASCII值,转换成字符就是我们需要的 答案的其中一个字符。

| 52 | -='ceEisSubmit=Submit HTTP/1.1" 404 5476 "http://127.0.0.1:8001/vulnerabilities/sqli blind/?id=laSubmit=Submit" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10 13 6) AppleWebKit/537.36 (KHT |
|----|---|
| 53 | .1,1))%3E64 AND 'RCKM'='RCKMsSubmit=Submit HTTP/1.1" 200 1765 "http://127.0.0.1:8001/vulnerabilities/sqli blind/?id=1sSubmit=Submit" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10 13 6) Ap |
| 54 | .1,1))%3E96 AND 'RCKM'='RCKMsSubmit=Submit HTTP/1.1" 200 1765 "http://127.0.0.1:8001/vulnerabilities/sqli_blind/?id=1sSubmit=Submit" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10 13 6) Ap |
| 55 | ,1,1))%3B112 AND 'RCKM(='RCKM&Submit=Submit HTTP/1.1" 404 5476 "http://127.0.0.1:8001/vulnerabilities/sqli_blind/?id=1&Submit=Submit="Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) A |
| 56 | ,1,1))%3E104 AND 'RCKM'='RCKM&Submit=Submit HTTP/1.1" 404 5476 "http://127.0.0.1:8001/vulnerabilities/sgli_blind/?id=1&Submit=Submit" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) A |
| 57 | ,1,1))%3E100 AND 'RCKM(='RCKMáSubmit=Submit HTTP/1.1" 200 1765 "http://127.0.0.1:8001/vulnerabilities/sgli_blind/?id=1&Submit=Submit" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) A |
| 58 | ,1,1))%3E102 AND 'RCKM(='RCKM&Submit=Submit HTTP/1.1" 404 5476 "http://127.0.0.1:8001/vulnerabilities/sqli_blind/?id=1&Submit=Submit" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) A |
| 59 | .1,1))%252538101 AND 'RCKM'='RCKMaSubmit=Submit HTTP/1.1" 200 1765 "http://127.0.0.1:8001/vulnerabilities/sgli_blind/?id=1aSubmit=Submit "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_ |
| 50 | .2,1))%3E96 AND 'RCKM'='RCKM&Submit=Submit HTTP/1.1" 200 1765 "http://127.0.0.1:8001/vulnerabilities/sqli_blind/?id=1&Submit=Submit=Submit" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) Ap |
| 51 | .2.1))%3E112 AND 'RCKM'='RCKM&Submit=Submit HTTP/1.1" 404 5476 "http://127.0.0.1:8001/vulnerabilities/scli blind/2id=1&Submit=Submit" "Mozilla/5.0 (Macintosh: Tntel Mac OS X 10 13 6) A |

flag_is_here ORDER BY flag LIMIT 0,1),1,1))>101 AND 'RCKM'='RCKM&Submit=Submit HTTP/1.1" 200 1765

我们可以看到当 LIMIT 0,1),1,1))>101 时,是第一个字符的最后一个 状态码为 200 的语句,这时的ASCI码是 101,那么 101+1=102, ASCI码为 102 对应的是 f,因此flag的第一个字符就为 f。

知道了原理,我们就可以去找到flag的字符串了,如果写不脚本的话就得要手工一个一个扣了

贴一下脚本(python2.7)

| import re | |
|---|--------------|
| import urllib | |
| | |
| † = open('D:/access.log','r') # 卜载的access.log文件的绝对路径,记得与全英文 | |
| lines = t.readlines() | |
| datas = [] | |
| for line in lines: | |
| t = urlib.unquote(line) | |
| 1+ 1/65 in t and +lag in t: # 过滤出与flag相大, 正确的有胜(只要200时) | |
| datas.append(t) | |
| flag ascii = {} | |
| for data in datas: | |
| matchObj = re.search(r'LIMIT 0,1\),(.*?),1\)\)>(.*?) AND', data) # 在date 中搜索符合正则表达的字符串并 | 将匹配 |
| 的字符串存入变量 matchObj 中 | |
| if matchObj: | |
| key = int(matchObj.group(1)) | |
| 转为10进制 | |
| value = int(matchObj.group(2))+1 # 取变量matchObj中的第二个括号里的内容,并转为 10 进制 | |
| flag_ascii[key] = value # 使用字典,保存最后一次猜解正确的ascii码 | |
| | |
| flag = '' | |
| <pre>for value in flag_ascii.values():</pre> | |
| <pre>flag += chr(value)</pre> | |
| | |
| print flag | |
| RESTART. | |
| flag{sqlm4p_15_p0werful} | |
| 但到您安flag(aglmader 15 powerful) | |
| 侍到合杀flag{sqlm4p_15_p0werful} | |
| 流 景句 2 | |
| | |
| 用wireshark打开流量包,这样设置检索一下有没有flag字符串,得到提示 | |
| | |
| 分组字节流 ~ 宽窄 ~ ~ □ 区分大小写 字符串 ~ flag | |
| | |
| | o × |
| | |
| 【 | ➡】 ▼ + 取消 |
| No. Time Source Destination Protocol Lengt Info 2 26 VMware_c0:00: Broadcast ARP 60 Who has 192.168.238.2? Tell 192.168.238.1 | |
| 2 27 192.168.238.1 192.168.238.2 NBNS 110 Refresh NB WORKGROUP<00> 2 27 VMware_c0:00: Broadcast ARP 60 Who has 192.168.238.2 Tell 192.168.238.1 | |
| 2 28 VMware_c0:00: Broadcast ARP 60 Who has 192.168.238.2 Tell 192.168.238.1 2 29 VMware_c0:00: Broadcast ARP 60 Who has 192.168.238.2 Tell 192.168.238.1 | |
| 243192.168.238.1123.123.123.123 ICMP 55 Echo (ping) request id=0x0001, seq=0/0, ttl=64 (no response found!) | |

0000 00.. = Differentiated Services Codepoint: Default (0)

| 00 = Explicit Congestion Notification: Not | t ECN-Capable Transport (0) | |
|--|--|---|
| Total Length: 41 | | |
| Identification: 0x25ab (9643) | | |
| ∨ Flags: 0x4000, Don't fragment | | |
| 0 = Reserved bit: Not set | | |
| .1 = Don't fragment: Set | | |
| 0 = More fragments: Not set | | |
| Fragment offset: 0 | | |
| Time to live: 64 | | |
| Protocol: ICMP (1) | | |
| Header checksum: 0x6eff [validation disabled] | | |
| [Header checksum status: Unverified] | | |
| Source: 192.168.238.138 | | |
| Destination: 123.123.123.123 | | |
| > Internet Control Message Protocol | | × |
| 0000 00 50 56 f7 f5 6a 00 0c 29 3b 39 9a 08 00 45 00 | ·PV··j··);9···E· | |
| 0010 00 29 25 ab 40 00 40 01 6e ff c0 a8 ee 8a 7b 7b | ·)%·@·@· n · · · · {{ | |
| 0020 7b 7b 08 00 eb ec 00 01 00 00 66 6c 61 67 69 73 | {{···································· | |
| 0030 68 65 72 65 00 00 00 | | |
| | | |
| | | |
| | | |
| | | |
| | | |

将检索设置改为这样,在查找,发现了几个很眼熟的东西

| And a second sec | | | | | | | | |
|--|--------|----|-----------|-----|--------|------|--|--|
| 分组详情 | \sim | 宽窄 | ~ 🗌 区分大小写 | 字符串 | \sim | flag | | |
| | | | | | | | | |

Internet control Message Protocol

| 0000 | 00 50 | 56 | f7 | f5 | 6a | 00 | 0c | 29 | Зb | 39 | 9a | <u>08</u> | 00 | 45 | 00 | •PV••j••);9•••E• |
|------|-------|----------|----|----|----|----|----|-----------|----|------------|----|-----------|----|----|----|-------------------|
| 0010 | 00 29 | 25 | ac | 40 | 00 | 40 | 01 | <u>6e</u> | fe | c 0 | a8 | ee | 8a | 7b | 7b | ·)%·@·@· n····{{ |
| 0020 | 7b 7b | <u> </u> | 00 | 91 | fe | 00 | 01 | 00 | 00 | 66 | 00 | 00 | 00 | 00 | 00 | {{····· |
| 0030 | 00 00 | 00 | 00 | 00 | 00 | 00 | | | | | | | | | | |

🚄 backdoor++.pcap

| 文件(<u>F</u>) | 编辑(<u>E</u>) | 视图(⊻) | 跳转(<u>G</u>) | 捕获(<u>C</u>) | 分析(<u>A</u>) | 统计(<u>S</u>) | 电话(Y) | 无线(<u>W</u>) | <u> 工具(T</u>) | 帮助(<u>H</u>) |
|----------------|----------------|-------|----------------|----------------|----------------|----------------|-------|----------------|----------------|----------------|
| | 10 | 1 🗎 🗙 | ۵ ۹ | | E 🛉 👲 | | | Q. 👖 | | |

| | 应用 | 显示过 | 滤器 … く | Ctrl-/> | | | | | | | | | | | | |
|-----------|----|---------|---------|-----------|--------------------|--------|--------|-------|----------|---------|-----------|-------------|------------|--------|-------------|------|
| 分组详情 ∨ 宽窄 | | ~ 🗌 区分大 | 小写 | 字符串 | \sim | flag | | | | | | | | | | |
| No. | | Time | Source | | Destination | Protoc | ol | Lengt | Inf∘ | | | | | | | |
| | 2 | 27 | VMware | c0:00: | Broadcast | ARP | | 60 | Who | has 192 | .168.238. | 2? Tell 192 | 2.168.238. | 1 | | |
| | 2 | 28 | VMware_ | _c0:00: | Broadcast | ARP | | 60 | Who | has 192 | .168.238. | 2? Tell 192 | 2.168.238. | 1 | | |
| | 2 | 29 | VMware_ | _c0:00: | Broadcast | ARP | | 60 | Who | has 192 | .168.238. | 2? Tell 192 | 2.168.238. | 1 | | |
| | 2 | 43 | 192.168 | 3.238.1 | 123.123.123.123 | ICMP | | 55 | Echo | (ping) | request | id=0x0001, | seq=0/0, | ttl=64 | (no | resp |
| | 2 | 43 | 192.168 | 3.238.1 | 123.123.123.123 | ICMP | | 55 | Echo | (ping) | request | id=0x0001, | seq=0/0, | ttl=64 | (no | resp |
| | 2 | 43 | 192.168 | 8.238.1 | 123.123.123.123 | ICMP | | 55 | Echo | (ping) | request | id=0x0001, | seq=0/0, | ttl=64 | (no | resp |
| | 2 | 47 | 402 400 | 2 2 2 0 4 | 400 400 400 400 | TOMP | | | r e le e | / i | | | 0/0 | 111 CA | 1 | |
| | | 00 | 00 00 | = Diffe | rentiated Services | Coder | point: | Defau | 1t (| a) | | | | | | |

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 41

Identification: 0x25ad (9645)

> Flags: 0x4000, Don't fragment 0... ... = Reserved bit: Not set .1. ... = Don't fragment: Set ..0. ... = More fragments: Not set Fragment offset: 0 Time to live: 64 Protocol: ICMP (1) Header checksum: 0x6efd [validation disabled] [Header checksum status: Unverified] Source: 192.168.238.138 Destination: 123.123.123

多点了几次,发现就是flag,整理一下 flag{lcmp_backdoor_can_transfer-some_infomation}

流量包_3

打开附件是一个wifi.cap文件,这个是wifi握手包,通过握手包可以对密码进行暴力破解

flag格式: flag{你破解的WiFi密码}

tips:密码为手机号,为了不为难你,大佬特地让我悄悄地把前七位告诉你 1391040** Goodluck!!

用到了kali的两个软件,crunch生成字典; aircrack-ng,爆破密码 利用kali里的crunch来生成字典 crunc命令格式: crunch <最小长度> <最大长度> [options]

crunch 11 11 -t 1391040%%%% >>wifi.txt

| -t | 指定模式 |
|----|--------|
| @ | 插入小写字母 |
| | 插入大写字母 |
| % | 插入数字 |
| | 插入特殊符号 |

得到手机号字典,之后用这个字典去爆破wifi密码

| | 13910400000 | |
|---|-------------|--|
| | 13910400001 | |
| | 13910400002 | |
| | 13910400003 | |
| | 13910400004 | |
| 1 | 13910400005 | |
| | 13910400006 | |
| | 13910400007 | |
| | 13910400008 | |
| | 13910400009 | |
| | 13910400010 | |
| | 13910400011 | |
| | 13910400012 | |
| | 13910400013 | |
| 1 | 13910400014 | |
| 1 | 13910400015 | |
| | 13910400016 | |
| | 13910400017 | |
| | 13910400018 | |
| | 13910400019 | |
| | 13910400020 | |
| | 13910400021 | |
| | 13910400022 | |
| | 13910400023 | |
| | 13910400024 | |
| | 13910400025 | |
| | 13910400026 | |
| | 13910400027 | |
| | 13910400028 | |
| | 13910400029 | |
| | 13910400030 | |
| | 13910400031 | |
| | 13910400032 | |
| | 13910400033 | |
| | 13910400034 | |
| | 13910400035 | |
| | 13910400036 | |
| | 13910400037 | |
| | 13910400038 | |
| | 13910400039 | |
| | 13910400040 | |
| | 13910400041 | |
| | 13910400042 | |

-w后跟字典路径

| Reading packets, please wait |
|---|
| Aircrack-ng 1.2 rc4 |
| [00:00:02] 7688/9999 keys tested (3829.18 k/s) |
| Time left: 0 seconds 76.89% |
| KEY FOUND! [13910407686] |
| |
| Master Key : C4 60 FE 8B 14 7D 58 00 91 D7 0A 9C 3C DE 44 69 |
| 0B E1 CD 81 07 F8 28 DB EA 76 1E ED 81 A3 FF FD |
| Transient Key : 0D 88 B3 F4 BC A3 C9 D2 06 12 28 43 FF 5E 21 3E |
| F5 23 8E 0B 7A 9F 25 59 E9 7C 86 1E 7A 78 E4 D4 |
| D3 62 CD DD 4D 87 80 EE B9 E1 16 91 4A 6E 3E 09 |
| 1E CE 5E 62 38 3C 05 35 34 A6 EB 16 31 D8 CE 96 |
| EAPOL HMAC : 1C E7 D0 96 DE 87 93 56 88 1D 08 c8 ^{htt} B9://kkogssdBonet/mcmuyanga |

跑出来了答案,flag{13910407686}

图片隐写

图片隐写_1



得到一张图片,首先用winhex打开查看一下,首先ctrl+f,来搜索一下看看有没有flag字符串,发现没有,

| | | | | <i>'</i> | H, | | | | 215 | 1. | | | 1.16 | | | | 1110911110 |
|----------|----|----|----|------------|----|------------|------------|----|------------|------------|----|------------|------------|------------|----|----|---------------------------------|
| Offset | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | В | С | D | Ε | F | ANSI ASCII |
| 00001380 | 7E | FC | 33 | C6 | 1D | 73 | EB | CF | 43 | E8 | 47 | 22 | BC | 5F | 5B | F8 | ~ü3Æ sĕÏCèG" <mark>i</mark> [ø |
| 00001390 | 02 | DA | 7E | AC | 9A | BF | C3 | CF | 11 | 5D | E9 | 17 | Dl | 31 | 78 | El | Ú~-s¿Äľ]é Ňlxá |
| 000013A0 | BA | 63 | 2A | A9 | DB | B 4 | 2A | CA | 3F | 78 | 13 | 10 | 6D | 3B | EB | DE | °c*€Û′*Ê?x m;ëÞ |
| 000013B0 | 68 | AO | OF | 9C | 2E | FE | 1D | 7C | 5D | 97 | 57 | B 5 | D7 | B 5 | ЗD | 63 | h @.p]-Wu×u=c |
| 000013C0 | 40 | D5 | 75 | 5B | 58 | BC | 88 | 8C | 57 | 57 | 16 | AC | 89 | 93 | F7 | 4C | @Ču[X4^CWW ¬t"+L |
| 000013D0 | 6A | 8A | 58 | EE | 60 | 4B | 03 | D4 | 67 | 22 | Al | F1 | 47 | C4 | ЗD | 63 | jŠX1`K Ćg";ñGÄ=c |
| 000013E0 | CO | AA | B1 | FS | BB | FE | 12 | 9D | 1A | E9 | C1 | 30 | 45 | 6B | AB | E9 | À*±ø»þ éÁOEk«é |
| 000013F0 | B7 | FE | 6A | FF | 00 | 7B | 12 | C4 | 64 | 0B | 90 | 79 | DA | 71 | 8F | AD | - pùy bả yúg - |
| 00001400 | 7D | 2B | 5C | DF | 8C | 2E | EE | 34 | A9 | B 4 | 9D | 56 | 39 | 90 | 59 | 43 |)+\B@.14@' V9œYC |
| 00001410 | 74 | B6 | F7 | B1 | 67 | E5 | 68 | A6 | 22 | 30 | F8 | F5 | 49 | 0C | 6D | 9E | t¶÷±gåh;"0gõI mž |
| 00001420 | CB | BF | D6 | 80 | 3E | 48 | D4 | 3F | 68 | 8F | 12 | 48 | 87 | FB | 33 | 53 | E¿Ö€>HÔ?h H‡û3S |
| 00001430 | D6 | AD | DB | 15 | 2F | DA | 5E | C6 | 5C | F5 | E7 | £5 | B 3 | 5E | FF | 00 | Ğ−Û /Ú^Æ∖õçå*^ÿ |
| 00001440 | FE | BA | A3 | 7B | Fl | 7 F | E2 | 55 | DC | 36 | Fl | 49 | E2 | F4 | 58 | EF | þ°£{ň áUÜ6ňIáôXĭ |
| 00001450 | 18 | 22 | 25 | AA | DA | C9 | 36 | 73 | DF | C9 | 4D | EB | D4 | 75 | 03 | 3C | "%*ÚÉ6sBÉMēĈu < |
| 00001460 | D6 | 8D | CB | 25 | F7 | C4 | 9F | 05 | 5A | A3 | 96 | 9E | 2D | 5A | 0B | 26 | C Et÷ÄŸ Z£-ž-Z & |
| 00001470 | 87 | BO | 8E | 21 | 6E | Dl | 39 | 1F | 5B | 89 | BF | 01 | 8A | FA | EF | 55 | *°Ž!nÑ9 [%; ŠúïU |
| 00001480 | FO | F2 | 5F | 34 | 62 | 0D | 46 | FF | 00 | 4D | 81 | 73 | BE | 18 | 07 | 48 | đồ_4b Fỳ M sħ H |
| 00001490 | 44 | A7 | 8E | 59 | B6 | EE | C8 | C7 | 1B | 58 | 75 | EF | 40 | 1F | 1F | 6A | DSŽY¶iÈÇ Xui0 j |
| 000014A0 | 3E | 1A | D4 | 75 | A1 | 34 | BE | 23 | BC | F8 | SF | E2 | 18 | 22 | 56 | D9 | > Ôu;4%#4@ á "VÙ |
| 000014B0 | 23 | E9 | CD | 6F | 6A | EC | OF | 0C | B 3 | CF | 29 | DA | 87 | D4 | C6 | 08 | #éÍojì °Ï)Ú‡ĈÆ |
| 000014C0 | CF | 41 | 8A | 66 | 85 | EO | B 9 | AF | B1 | 17 | 87 | BC | 11 | 73 | 7F | 71 | IAS1à' ± +4 s q |
| 000014D0 | 1F | 31 | BD | CE | B6 | B7 | FO | 67 | 9E | 0B | C1 | 12 | C4 | A7 | A7 | 57 | 1%Ͷ ðgž Á ÄSSW |
| 000014E0 | 53 | C7 | 6E | DF | 5D | 5B | 78 | 17 | C3 | Dl | 4E | 93 | DC | DS | 7F | 68 | SÇnß][x ÄÑN"ÜØ h |
| 000014F0 | DD | 21 | DC | B 3 | EA | 72 | BD | EC | 88 | 7D | 54 | CA | 5B | 6F | FC | 07 | Ý!Ü*êr%ì^}TÊ[où |
| 00001500 | 15 | D2 | AA | 85 | 01 | 54 | 00 | 07 | 40 | 05 | 00 | 7C | 29 | Fl | 1F | E1 | Č* T @)ñ á |
| 00001510 | BE | BD | E0 | Fl | A3 | 6B | DE | 29 | 8E | CA | D7 | 4E | 88 | 98 | 59 | CD | NHàñ£kÞ)ŽÊ×N»~YÍ |
| 00001520 | 1D | A6 | FB | B7 | 81 | 48 | 24 | E5 | 66 | 66 | 05 | B6 | 87 | 20 | 06 | C7 | ;û·H\$åff ¶≇ Ç |
| 00001530 | CB | D4 | 1E | 6B | E9 | 1F | 08 | FC | OB | F8 | 6D | 6B | A4 | 43 | ЗD | B6 | ËĈ ké ü gmk∺C=¶ |
| 00001540 | 94 | BA | B2 | 5D | 41 | 95 | BC | BB | 99 | A4 | 32 | A3 | 8C | 86 | 00 | 61 | "°"]A·1 ₆₀ BH2£@t a |
| 00001550 | 14 | E0 | 8C | 32 | A8 | 23 | D7 | 35 | DO | 7C | 6C | FO | 7B | 78 | D7 | El | à@2"#×5Đ 18{x×á |
| 00001560 | F5 | F6 | 99 | 02 | EE | 88 | 46 | 5B | 98 | 00 | 00 | 92 | C8 | 4E | 55 | 79 | õõ™ î≫F[~ 'ÈNUy |
| | | | | | | | | | | | | | | | | | A.# b. |

| 西7/7 | | | | | | | | | | | | | 10-11 | 74544 | hiles . | | | 1200 |
|----------|----|----|----|----|------------|----|------------|----|----|----|----|----|-------|-------|---------|----|--|------|
| 000016B0 | 3B | 26 | 23 | 31 | 31 | 36 | 3B | 26 | 23 | 31 | 32 | 35 | 38 | DS | D9 | | 34\$116;&\$125;00 V | |
| 000016A0 | 23 | 31 | 30 | 35 | 3B | 26 | 23 | 31 | 30 | 33 | 3B | 26 | 23 | 31 | 30 | 34 | #105;gh | |
| 00001690 | 31 | 30 | 31 | 3B | 26 | 23 | 33 | 32 | 3B | 26 | 23 | 31 | 31 | 34 | 3B | 26 | 101;6#32;6#114;6 | |
| 00001680 | 33 | 32 | 3B | 26 | 23 | 39 | 37 | 3B | 26 | 23 | 31 | 31 | 34 | 3B | 26 | 23 | 32;6#97;6#114;6# | |
| 00001670 | 31 | 3B | 26 | 23 | 31 | 31 | 31 | 3B | 26 | 23 | 31 | 31 | 37 | 3B | 26 | 23 | 1;6#111;6#117;6# | |
| 00001660 | 26 | 23 | 31 | 32 | 31 | 3B | 26 | 23 | 31 | 32 | 33 | 3B | 26 | 23 | 31 | 32 | 6#121;6#123;6#12 | |
| 00001650 | A2 | 8A | 00 | FF | 26 | 23 | 31 | 30 | 37 | 3B | 26 | 23 | 31 | 30 | 31 | 3B | eŠ yke | |
| 00001640 | 1D | 64 | 06 | 8A | 28 | 03 | DO | AS | A2 | 8A | 00 | 28 | A2 | 8A | 00 | 28 | d Š(Đ"oŠ (oŠ (| |
| 00001630 | E7 | 95 | 1E | E5 | 33 | OF | 98 | 97 | FE | EE | ED | AA | 43 | 72 | 01 | 57 | ç• å3 ~-pîi*Cr W | |
| 00001620 | DA | 78 | 3A | 2D | OF | E2 | C3 | EB | FA | 54 | OD | OD | BE | AF | 03 | A5 | Úx:- âĂĕúT % ¥ | |
| 00001610 | 71 | F3 | 18 | D4 | 2D | 7D | 3B | 45 | 14 | 00 | 51 | 45 | 14 | 00 | 57 | 9E | gó Ĉ-);E GE Wž | |
| 00001600 | 05 | 68 | FC | A9 | 2E | A4 | 5B | 85 | 7B | 92 | E1 | BO | 7E | 40 | D2 | 26 | hug. # [{' &*~@Cs | |
| 000015F0 | FO | EB | 5A | F1 | OF | SA | 84 | SF | 15 | AS | 90 | BO | 88 | 48 | 1A | 72 | ðë2ñ Š'¥° <k r<="" td=""><td></td></k> | |
| 000015E0 | 62 | 06 | 36 | 1B | CO | EE | 57 | AS | FA | 0A | 28 | AO | OF | 9F | BC | 2D | b 6 À1W"ú (Ÿ4- | |
| 000015D0 | AS | FS | 37 | 5D | B 3 | BB | B 8 | 6B | 5B | 79 | EC | 67 | 8D | E7 | 54 | DC | "@7] *», k[yig cTÜ | |
| 000015C0 | 8A | 28 | 00 | A2 | 8A | 28 | 00 | A2 | 8A | 28 | 00 | AC | 3F | 18 | D9 | 41 | Š(¢Š(¢Š(¬? ŪA | |
| 000015B0 | A9 | E3 | BE | 79 | 27 | A9 | 35 | 7E | 8A | 28 | 00 | A2 | 8A | 28 | 00 | A2 | €ã%y'€5~Š(¢Š(¢ | |
| 000015A0 | 1A | 26 | 9F | 15 | 86 | 91 | 67 | 05 | 9D | 90 | 43 | 09 | 0C | 28 | 15 | 47 | sỹ t'g ac (G | |
| 00001590 | 12 | 4A | 64 | 1E | 98 | 21 | DO | OE | 38 | 41 | 40 | 1E | B7 | AS | 69 | 56 | Jd "!Đ SAQ '£1V | |
| 00001580 | BE | 01 | 97 | 41 | D4 | OB | 8D | 4F | C3 | F3 | 9B | 49 | 12 | 4C | 87 | 11 | N -AÔ CÃÓ XI L‡ | |
| 00001570 | 10 | B2 | 96 | 51 | 92 | 06 | 58 | 64 | E2 | B9 | 1F | D9 | 5B | C4 | D2 | 6A | -C' Xda U[AC1 | |

然后往下查看,在右边的代码中看到了一块与这群乱码格格不入的代码,猜测是一种编码 在CTF在线工具里,利用解码工具去尝试一下,在html编码里找到了flag

— HTML编码

html

| key{you are right& | #125; |
|--------------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| 编码 | ₽ 码 |
| key{you are right} | |

key{you are right}

图片隐写_2



https://blog.csdn.net/mcmuyanga

先用winhex打开,老样子,先检索一下看看有没有flag关键字,没有找到

| 例题2.png | | | | | | | | | | | | | | | | | | | | |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|------|-------|---|
| Offset | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | в | С | D | E | F | | ANSI | ASCII | ^ |
| 00000000 | 89 | 50 | 4E | 47 | OD | 0A | 1A | 0A | 00 | 00 | 00 | 0D | 49 | 48 | 44 | 52 | *PNG | ; | IHDR | |
| 00000010 | 00 | 00 | 01 | F4 | 00 | 00 | 02 | A4 | 08 | 06 | 00 | 00 | 00 | CB | D6 | DF | ć | i H | ËÖB | |
| 00000020 | 8A | 00 | 00 | 00 | 09 | 70 | 48 | 59 | 73 | 00 | 00 | 12 | 74 | 00 | 00 | 12 | š | pHYs | t | |

| 0000030 | 74 | 01 | DE | 66 | 1F | 78 | 00 | 00 | 0A | 4D | 69 | 43 | 43 | 50 | 50 | 68 | t bf x MiCCPPh |
|----------|------|-------|------|------|----|------|----|----|----|-----|------|------------|---------|-----------|---------|-------|------------------------------------|
| 00000040 | 6F | 74 | 6F | 73 | 68 | 6F | 70 | 20 | 49 | 43 | 43 | 20 | 70 | 72 | 6F | 66 | otoshop ICC prof |
| 00000050 | 69 | 6C | 65 | 00 | 00 | 78 | DA | 9D | 53 | 77 | 58 | 93 | F7 | 16 | 3E | DF | ile xÚ SwX"÷ >ß |
| 00000060 | F7 | 65 | OF | 56 | 42 | D8 | FO | B1 | 97 | 6C | 81 | 00 | 22 | 23 | AC | 08 | ÷e VBØð±−1 "‡¬ |
| 00000070 | C8 | 10 | 59 | A2 | 10 | 92 | 00 | 61 | 84 | 10 | 12 | 40 | C5 | 85 | 88 | OA | È Yo ' a, @A* |
| 0800000 | 56 | 14 | 15 | 11 | 9C | 48 | 55 | C4 | 82 | D5 | 0A | 48 | 9D | 88 | E2 | A0 | V œHUÄ,ÕH â |
| 00000090 | 28 | B8 | 67 | 41 | 8A | 88 | 5A | 8B | 55 | 5C | 38 | EE | 1F | DC | A7 | B5 | (,gAŠ^Z <u\8î td="" ܧµ<=""></u\8î> |
| 000000A0 | 7D | 7A | EF | ED | ED | FB | D7 | FB | BC | E7 | 90 | E7 | FC | CE | 79 | CF | }zïiiû×û4çœçüÎyÏ |
| 00000B0 | OF | 80 | 11 | 12 | 26 | 91 | E6 | A2 | 6A | 00 | 39 | 52 | 85 | 3C | 3A | D8 | € &'æ¢j 9R<:Ø |
| 00000000 | lF | 8F | 4F | 48 | C4 | C9 | BD | 80 | 02 | 15 | 48 | E0 | 04 | 20 | 10 | E6 | CHĂÉ≒€ Hà æ |
| 000000D0 | CB | C2 | 67 | 05 | C5 | 00 | 00 | FO | 03 | 79 | 78 | 7E | 74 | BO | 3F | FC | ËÂg Å ð yx~t°?ü |
| 000000E0 | 01 | AF | 6F | 00 | 02 | 00 | 70 | D5 | 2E | 24 | 12 | C7 | El | FF | 83 | BA | o põ.\$ Çáÿf° |
| 000000F0 | 50 | 26 | 57 | 00 | 20 | 91 | 00 | EO | 22 | 12 | E7 | 0B | 01 | 90 | 52 | 00 | P&W 'à" ç R |
| 00000100 | C8 | 2E | 54 | C8 | 14 | 00 | C8 | 18 | 00 | BO | 53 | B 3 | 64 | 0A | 00 | 94 | È.TÈ È °S'd " |
| 00000110 | 00 | 00 | 6C | 79 | 7C | 42 | 22 | 00 | AA | OD | 00 | EC | F4 | 49 | 3E | 05 | ly B" * ìôI> |
| 00000120 | 00 | D8 | A9 | 93 | DC | 17 | 00 | DS | A2 | 10 | A9 | 08 | 00 | 8D | 01 | 00 | 06"Ü 00 6 |
| 00000130 | 99 | 28 | 47 | 24 | 02 | 40 | BB | 00 | 60 | 55 | 81 | 52 | 2C | 02 | CO | C2 | ™(G\$ @» `U R, ÀÂ |
| 00000140 | 00 | A0 | AC | 40 | 22 | 2E | 04 | CO | AE | 01 | 80 | 59 | B6 | 32 | 47 | 02 | -@". ÀS €Y¶2G |
| 00000150 | 80 | BD | 05 | 00 | 76 | 8E | 58 | 90 | OF | 40 | 60 | 00 | 80 | 99 | 42 | 2C | €H vŽX @`€™B, |
| 00000160 | CC | 00 | 20 | 38 | 02 | 00 | 43 | 1E | 13 | CD | 03 | 20 | 4C | 03 | A0 | 30 | Ì 8 C Í L O |
| 00000170 | D2 | BF | EO | A9 | 5F | 70 | 85 | B8 | 48 | 01 | 00 | C0 | CB | 95 | CD | 97 | Ó¿à©_p,H ÀË∙Í− |
| 00000180 | 4B | D2 | 33 | 14 | B8 | 95 | DO | 1A | 77 | F2 | FO | E0 | E2 | 21 | E2 | C2 | KÔ3 .•Đ wòðàâ!âÂ |
| 00000190 | 6C | B1 | 42 | 61 | 17 | 29 | 10 | 66 | 09 | E4 | 22 | 9C | 97 | 9B | 23 | 13 | l±Ba) f ä"α−>‡ |
| 000001A0 | 48 | E7 | 03 | 4C | CE | 0C | 00 | 00 | 1A | F9 | Dl | Cl | FE | 38 | 3F | 90 | Hç LÎ ùNAþ8? |
| 000001B0 | E7 | E6 | E4 | El | E6 | 66 | E7 | 6C | EF | F4 | C5 | A2 | FE | 6B | FO | 6F | çæäáæfçlïôÅ¢þkðo |
| 000001C0 | 22 | 3E | 21 | Fl | DF | FE | BC | 8C | 02 | 04 | 00 | 10 | 4E | CF | EF | DA | ">!ñßþ4@ NĨIÚ |
| 000001D0 | 5F | E5 | E5 | D6 | 03 | 70 | C7 | 01 | BO | 75 | BF | 6B | A9 | 5B | 00 | DA | _ååÖ pÇ °u¿k©[Ü |
| 000001E0 | 56 | 00 | 68 | DF | F9 | 5D | 33 | DB | 09 | A0 | 5A | 0A | DO | 7A | F9 | 8B | V hBù]30 Z Đzùk |
| 000001F0 | 79 | 38 | FC | 40 | 1E | 9E | Al | 50 | C8 | 3C | 1D | 10 | 0A | OB | OB | ED | y8ü@ ž;PE< i |
| 00000200 | 25 | 62 | Al | BD | 30 | E3 | 8B | 3E | FF | 33 | El | 6F | EO | 8B | 7E | F6 | %b;HOã<>ÿ3áoà<~ö |
| 00000210 | FC | 40 | 1E | FE | DB | 7A | FO | 00 | 71 | 9A | 40 | 99 | AD | CO | A3 | 83 | ü@ þUzð qš@™-A£f |
| 00000220 | FD | 71 | 61 | 6E | 76 | AE | 52 | 8E | E7 | CB | 04 | 42 | 31 | 6E | F7 | E7 | ýganv&RZçE Bln÷ç |
| 00000230 | 23 | FE | C7 | 85 | 7F | FD | 8E | 29 | D1 | E2 | 34 | B1 | 5C | 2C | 15 | 8A | <pre>#pÇ ýZ)Nā4± S</pre> |
| 00000240 | Fl | 58 | 89 | B8 | 50 | 22 | 4D | C7 | 79 | B9 | 52 | 91 | 44 | 21 | C9 | 95 | nXt, P"MÇy'R'D!E. |
| 00000250 | E2 | 12 | E9 | 7F | 32 | Fl | 1F | 96 | FD | 09 | 93 | 77 | OD | 00 | AC | 86 | ă ê 2ñ −ŷ "w ¬† |
| 00000260 | 4F | CO | 4E | B6 | 07 | B5 | CB | 6C | CO | 7E | EE | 01 | 02 | 8B | OE | 58 | CANY HELA~I < X |
| 00000270 | D2 | 76 | 00 | 40 | 7E | F3 | 2D | 8C | IA | OB | 91 | 00 | 10 | 67 | 34 | 32 | CV @~o-@ 942 |
| 00000280 | 79 | F7 | 00 | 00 | 93 | BF | F9 | SF | 40 | ZB | 01 | 00 | CD | 97 | A4 | E3 | y÷ "¿u @+ I−¤a |
| 00000290 | 00 | 00 | BC | ES | 18 | 5C | AS | 94 | 17 | 40 | C6 | 08 | 00 | 00 | 44 | AO | He \ "LA D |
| 000002A0 | 81 | ZA | BO | 41 | 07 | 0C | CI | 14 | AC | CO | OE | 90 | CI | 1D | BC | CO | **A A ¬A œA 4A |
| 00000280 | 17 | 02 | 61 | 06 | 44 | 40 | 0C | 24 | CO | 30 | 10 | 42 | 06 | E4 | 80 | 10 | a D@ \$A< B a€ |
| 00000200 | UA | AL | 18 | 96 | 91 | 19 | 54 | 00 | SA | DS | 04 | 55 | 80 | 03 | IA | AU | -A 1A:0 µ* |
| 00000200 | 11 | 9A | EL | 10 | 54 | 01 | 31 | 38 | OD | E7 | EO | 12 | 50 | 81 | LB | 70 | sa Als ça \ ep |
| 000002E0 | 17 | 06 | 00 | 18 | 9E | 02 | 18 | BC | 86 | 09 | 19 | 41 | 08 | 08 | 13 | 10 | ZA HT AE a |
| 00000210 | 21 | SA | 88 | 11 | 02 | SE | DS | 22 | CE | 08 | 17 | 99 | SE | 104 | 22 | 01 | :: DZØ"I "Z "a |
| 00000300 | 48 | 34 | 92 | 80 | A | 20 | 29 | 88 | 14 | 51 | 22 | 05 | 00 | 12 | AS | 02 | SALER GLOWAETS |
| | 0.54 | G . / | - Ch | 54.0 | | 64 M | | | | 1.1 | 1 64 | 16.54 | 1 T T 1 | - March 1 | - E I I | H (1) | |

猜测图片修改了宽高,放到kali打开,如果修改了宽高,kali会报错

| root@kali2-2017: ~/Desktop/timu | - 1 |
|--|----------------------|
| Fi 🖬 100% 🗸 🖬 例题2.png 🛃 🚍 😁 | 0 |
| Could not load image "例題2.png". Fatal error reading PNG image file: IHDR: CRC error Cancel | |
| | 76.89% |
| |)E 44 69 \3 FF FD |
| | E 21 3E 78 E4 D4 |
| | 08 CE 96 |
| For For For For act For | VA B3 B0 |
| https://blog.csdn.ne | et/mcmuyanga |

果真修改了宽高 百度了一下知道了 89 50 4E 47PE头是png照片的,就是说没有可能照片中嵌入了Exif信息 给大家稍微介绍一下 89 50 4E 47 是文件的格式

00 00 00 0D 说明IHDR头块长为13

49 48 44 52 IHDR标识

00 00 01 F4 图像的宽

00 00 01 A4 图像的高

最后四位

CB D6 DF 8 A为CRC校验

在查看PNG文件格式时,IHDR后面的八个字节就是宽高的值,这边报错就是因为图片的宽高被修改了 将图片的宽高修改成一样看看

| Offset | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | В | С | D | E | F | ANSI ASCII 🔺 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------------------|
| 00000000 | 89 | 50 | 4E | 47 | 0D | 0A | 1A | 23 | 00 | 00 | 00 | 0D | 49 | 48 | 44 | 52 | %PNG IHDR = |
| 00000010 | 00 | 00 | 01 | F4 | 00 | 00 | 01 | F4 | 08 | 06 | 00 | 00 | 00 | CB | D6 | DF | ô ô ËÖß |
| 00000020 | 8A | 00 | 00 | 00 | 09 | 70 | 48 | 59 | 73 | 00 | 00 | 12 | 74 | 00 | 00 | 12 | Š pHYs t |
| 0000030 | 74 | 01 | DE | 66 | 1F | 78 | 00 | 00 | 0A | 4D | 69 | 43 | 43 | 50 | 50 | 68 | t Þf x MiCCPPh |
| 00000040 | 6F | 74 | 6F | 73 | 68 | 6F | 70 | 20 | 49 | 43 | 43 | 20 | 70 | 72 | 6F | 66 | otoshop ICC prof |
| 00000050 | 69 | 6C | 65 | 00 | 00 | 78 | DA | 9D | 53 | 77 | 58 | 93 | F7 | 16 | 3E | DF | ile xÚ SwX"÷ >ß |
| 00000060 | F7 | 65 | OF | 56 | 42 | D8 | FO | B1 | 97 | 6C | 81 | 00 | 22 | 23 | AC | 08 | ÷e VBØð±−1 "#¬ |
| 00000070 | C8 | 10 | 59 | A2 | 10 | 92 | 00 | 61 | 84 | 10 | 12 | 40 | C5 | 85 | 88 | OA | È Y¢ ' a, @Å* |
| 00000080 | 56 | 14 | 15 | 11 | 90 | 48 | 55 | C4 | 82 | D5 | 0A | 48 | 9D | 88 | E2 | AO | V og œHUA. Ö H * & anga |



BUGKU{a1e5aSA}

BUGKU{a1e5aSA}

图片隐写_3

wc, 这不是我们物联网课程的图标么





一样先用winhex打开,检索flag字符串,没有找到,放到kali里打开,能打开,说明没有修改宽高,在kali里用binwalk检查一下图 片





有猫腻,隐藏了东西,用foremost 3.jpg对它进行文件恢复,然后多了一个图片,打开得到flag





falg{NSCTF_e6532a34928a3d1dadd0b049d5a3cc57}

图片隐写_4



先放winhex里,没有找到flag,kali打开,没有修改宽高,binwalk分析,没有隐藏文件,百度后发现一个神奇的工具zsteg

gem install zsteg # 安装zsteg

关于zstog工具看这里

我们在kali里直接利用这个工具跑一下即可

| root@kali2-2017: | ~/Desktop/tp | yx_4_1# zsteg 例題4-1.png | |
|------------------|--------------|--|------------------------------|
| imagedata | text: | "fpl,RB886\"" | |
| b1,bgr,lsb,xy | text: | "ZmxhZ3s1NDJmYjQzM2Y0YzhlYmYwMmY; | 30GUwZjA0MzZkMmU3Nn0=" |
| b2,rgb,msb,xy | text: | "@ບບບບບບ" | |
| b2,bgr,msb,xy | text: | "@UUUUUUU" | |
| b4,r,lsb,xy | text: | "\"3\"\$DEWTEgv" | |
| b4,r,msb,xy | text: | "n\"\"\"\"\"\"\"\"\"\"fff" | |
| b4,g,lsb,xy | text: | "22\"5ETVUDfw" | |
| b4,g,msb,xy | text: | "n\"\"\"\"\"\"ffff" | |
| b4,b,lsb,xy | text: | "\$UUFDUgv" | |
| b4,b,msb,xy | text: | "n\"\"\"\"\"\"\"\"\"\" | |
| b4,rgb,lsb,xy | text: | "!\#\$TDTUEUEUGfUDTDUEfggwvv" | |
| b4,bgr,lsb,xy | text: | "!\"\#\$ <u>T</u> TETUEEEVgETTTEEfggwvv" | https://blog.csdn.net/mcmuva |
| root@kali2-2017: | ~/Desktop/tp | yx_4_1# | hapoinorogiocaninormanaya |

看到一个特殊的bse64编码,拿去解码一下

| — base编码 | 5 | | | | |
|-----------------|---------------------------|---------------|-------------------|-------|--|
| base16, base32, | base64 | | | | |
| ZmxhZ3s1NDJmYj | QzM2YOYzhlYmYwMmY30GUwZj/ | 0MzZkMaU3Nn0= | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 编码 | base64 | ▽ 字符集 | utf8(unicode编码) ~ | | |
| | | | 40 ZA | 4P 73 | |
| | | | 344 373 | AF 83 | |
| flag {542fb433f | 4c8ebf02f78e0f0436d2e76} | | | | |
| | | | | | |

flag{542fb433f4c8ebf02f78e0f0436d2e76}

图片隐写_5



先放winhex里,没有找到flag,kali打开,没有修改宽高,binwalk分析,没有隐藏文件,接着用zstog工具跑一下

| FOOT@Kall2-2017:~ | //Desktop/tpyx_4_2# zsteg 例題4-2.0mp |
|-----------------------------|---|
| imagedata | text: ["\r" repeated 18 times] |
| b1,lsb,bY | <wbstego ,="" .<="" data="\x1Ef\xDE\x9E\xF6\xAE\xFA\xCE\x86\x9E" ext="\x00\x8E\xEE" p="" size="120,"></wbstego> |
| <pre>, even=false></pre> | |
| bl,msb,bY | text: "qwxf{you_say_chick_beautiful?}" |
| b2,msb,bY | text: "i2,C8&k0." |
| b2,r,lsb,xY | text: "000000900000000000000000" |
| b2,g,msb,xY | text: ["U" repeated 22 times] |
| b2,b,lsb,xY | text: ["U" repeated 10 times] |
| b3,g,msb,xY | text: "V9XDR\\d@" |
| b4,r,lsb,xY | file: TIM image, Pixel at (4353,4112) Size=12850x8754 |
| b4,g,lsb,xY | text: "3\"\"\"\"3###33##3#UDUEEEEEDDUETEDEDDUEEDTEEEUT#!" |
| b4,g,msb,xY | text: "\"\"\"\"\"\"\"\"\"\"\"\"\"\"\"\"\"\"\ |
| b4,b,lsb,xY | text: "gfffffvwgwfgwwfw" https://blog.csdp.pet/mcmuvapga |
| root@kali2-2017:- | <pre>~/Desktop/tpyx_4_2#</pre> |

qwxf{you_say_chick_beautiful?}

图片隐写_6



这题出题人的脑洞有点大,我们看到这个是七代目火影,我们用StegSolve打开,保存第七帧的图片,然后用StegSolve打开这个保存的图片,一直往右点就能看到flag



| <u>\$</u> | | _ | | × |
|-----------------|-----------------|------------|-----------|---------|
| Frame : 7 of 66 | | | | |
| flag{49bdbe-a | bie-472-9f66-a5 | 333 | 31e | 6 |
| | < Save hitps: | //blog.ese | lnunet/ma | smuyani |



flag{49bdbe-abfe-472-9f66-a533331e6}



音频隐写_1

这题本来有两个文件的,那个用来破解的密码的压缩包找不到了,凑合看一下 原本打开下载的文件,会发现里面得两个文件都需要密码解密,意味着没有任何线索来获取密码 那么就只能粗暴一点,直接爆破出他的密码,即

| | | • M | | Benchma | rk Purchas | e Hel | About | Quit |
|---|---|---|--|---|--|------------|----------------------------|--------|
| - | Encrypt | ed ZIP/R | AR/ACE/ARJ | -file | Type o | ofattack | | . Quit |
| | C:\Use | rs \DELL \D | ownloads\m | oney.zip | Diction | nary | | 2 |
| | Range | Length | Dictionary | Plain-text | Auto-save | Options | Advanced | |
| | Diction | ary option ary file pa | ns th: | | | | | |
| | Diction Dictiona C:\php Passv | ary option ary file pa Study \PH vord suc | ns th: IPTutorial\W ccessfully r | WW\superdic | 4.txt | 📄 • Star | tline # 0 | × |
| | Diction Dictiona C:\php Passv | ary option ary file pa Study \PH word suc | ns th: IPTutorial\W ccessfully r Advance | WW\superdic recovered | 4.txt ssword Rec | ो • Star | t line # 0 | × |
| | Diction Dictiona C:\php Passv | ary option ary file pa Study \PH word suc password | ns th: IPTutorial\W ccessfully r Advance | WW\superdic recovered | 4.txt ssword Rec 15,398 | ो • Star | t line # 0 | × |
| | Diction Dictiona C:\php Passv Total Total | ary option ary file pa Study \PH word suc password time | ns th: IPTutorial\W ccessfully r Advance Is | WW\superdic | 4.txt ssword Rec 15,398 32ms | ो • Star | t line # 0 | × |
| | Dictiona Dictiona C:\php Passv Total Total Avera | ary option ary file pa Study \PH word suc password time age speed | ns th: IPTutorial\W ccessfully r Advance Is | WW\superdic recovered ed Archive Pa | 4. bxt ssword Rec 15, 398 32ms 481, 187 | ो • Star | t line # 0 | × |
| | Dictiona Dictiona C:\php Passv Total Avera Passv | ary option ary file pa Study \PH word suc password time age speed word for t | ns th: IPTutorial\W ccessfully r Advance ds d (passwords his file | WW\superdic recovered ed Archive Pa | 4. bxt ssword Rec 15, 398 32ms 481, 187 000 15 398 | ो • Star | t line # 0 | × |
| | Dictiona Dictiona C:\php Passv Total Avera Passv Passv | ary option ary file pa Study \PH word suc password time age speed word for the word in HE | ns th: IPTutorial\W ccessfully r Advance ds d (passwords his file | WW\superdic recovered ed Archive Pa | 4. bxt ssword Rec 15, 398 32ms 481, 187 000 15 398 30 30 30 30 3 | overy stat | t line # 0 stics: 38 | |

-... --- -.-- .---- .---- .---- .----

摩斯密码解密得:

| 解码方 | 式 进制转换 插件 妹子 | |
|--------|-----------------|---------|
| Crypto | Image UnZip | |
| 填写所言 | 宫检测的密码:(已输入字符数约 | t计: 38) |
| | | |
| | | |
| 结果:(| 字符数统计:7) | |

解压包里面还有一个mp3的文件,又得到密码,那么使用工具MP3Stego

在cmd界面下,将decode.exe拖进去运行,之后会在我们会得到一个txt文件,里面是base64编码,拿去解码一下即可



Dase16, Dase32, Dase64

| bW9jdGZ7I1Mxb# | dsM19EMGcjfQ= | | | | | | |
|-----------------|---------------|---|-----|-----------------|---|----|--|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 编码 | base64 | ~ | 字符集 | utf8(unicode编码) | ~ | | |
| | | | | 编码 | | 解码 | |
| moctf {#S1ng13_ | DOg#} | | | | | | |

音频隐写_3



假设在上方是1,下方是0,整理一下得到一串01字符串,8位一组将得到的十进制数用ascii码替换 这个一个一个数起来有点长,我数了两次,都数错了,没有做完,这边就介绍一下思路和方法

音频隐写_4

用Audacity载入音频文件,如图查看频普图 🔒 例题8: sound × 文件(F) 编辑(E) 选择(S) 视图(V) 攝景(N) 轨道(T) 生成(G) 效果(C) 分析(A) 工具(O) 帮助(H) IXIV -54 -48 -42 -: 点击开始直视 4 -18 -12 -6 0 н M Q ↔ ¥ ●) -54 -48 -42 -36 -30 -24 -18 -12 4 -6 右 · •) · • <u>%66**</u>* . na € € ♀ ♀ & ▶ ___ -0 ~ 🌷 麦壳风阵列 (3- Realtek High Def ~ MME ~ 2 (立体声) 录制声道 ✓ ●) 扬声器 (3- Realtek High Definit) ▼ 1.0 0,0 7.0 1.0 2.0 3.0 4.0 5.0 6.0 8.0 9.0 10.0 × @ES: sound ▼ 8k 1 名称(N)... 音轨上移(U) 2 音轨下移(D) 立(年 22位 移动轨道到顶部(T) 移动轨道到底部(B) Multi-view 波形(V) • 频谱图(S) 须谱图设置(P)... 制作立体声轨(K) 交换立体声的两个声道(C) 分离立体声轨(I) 分离立体声到单声道(N) 格式(F) 采样家(E) 3 < 项目采样车(Hz) 吸附到 洗区的記点和终点 /00c时s00n分m00u秒• ~ 00 时 00 分 00.000 秒 00 时 00 分 00.000 秒 ~ 关闭 44100

flag{e5353bb7b57578bd4da1c898a8e0d767}

音频隐写_5

看附件提示是silenteye,使用工具打开,解密一下就得到了flag 🝙 эпентсуе 磁盘 (G:) > 浏览器下载 > llg > 易霖博题目 > 音频隐写 5 📰 图片 * ^ File Edit Media ? O Play O Stop 😫 Decode message: G:/浏览器下载/llq/易霖博题目/音频隐写_5/例题9:sil... 7 × Media's encoding format : WAVE - O NP 列目 Options Sound quality: 93.75% normal -Advanced Used channels: 2 channels • Audio file Date distribution mode equidistribution ٠ • Header position: ending bit(s) per sample per channel: 3 Decoded message flag{lsb_is_so_easy} 例题9: silenteye.wav 0 Property Decode Encode Å silenteye-0.4.1.exe 2011/2/8 10:02 CharSet: UTF8 💌 🖉 🔽 Encrypted data 🗹 Compressed dat 🥝 Cancel 🥥 Decode ssleay32.dll 2010/6/5 20:13 本地磁盘 (E:) A Uninstall SilentEve https://blog.csdn 2020/9/25 22:20 9a

flag{lsb_is_so_easy}

取证分析

取证分析_1

首先放到kali里file一下看看文件,是一个ext4文件 **root@kali2-2017:**-/Desktop/qzfx_1# file attachment.img attachment.img: Linux rev 1.0 ext4 filesystem data, UUID=2d362elb-69ae-4137-bdbb -4fde2775ac91 (extents) (huge files)
用extundelete对ext4文件系统进行数据恢复,恢复的目录保存在RECOVERED_FILES **root@kali2-2017:**-/Desktop/qzfx_1# extundelete attachment.img --restore-all NOTICE: Extended attributes are not restored. Loading filesystem metadata ... 2 groups loaded. Loading filesystem metadata ... 2 groups loaded. Searching for recoverable inodes in directory / ... 2 recoverable inodes found. Looking through the directory structure for deleted files ... 1 recoverable inodes still lost. root@kali2-2017:-/Desktop/qzfx_1# ls attachment.img RECOVERED_FILES

root@kali2-2017:~/Desktop/qzfx_1# ls
attachment.img RECOVERED_FILES
root@kali2-2017:~/Desktop/qzfx_1# cd RECOVERED_FILES/
root@kali2-2017:~/Desktop/qzfx_1/RECOVERED_FILES# ls
file.17
root@kali2-2017:~/Desktop/qzfx_1/RECOVERED_FILES# cat file.17
b0VIM 7.4[0
U3210#"! !!!!ttp[:!!!!ttp]d00[1]#f l a g { f u g l y _ c a t s _ n e e d _ l u v _ 2 }
oot@kali2-2017:~/Desktop/qzfx_1/RECOVERED_FILES#

flag{fugly_cats_need_luv_2}

取证分析_2

打开是2个文件



volatility 使用: volatility -f <文件名> --profile=<配置文件> <插件> [插件参数]

获取--profile的参数

使用imageinfo插件来猜测dump文件的profile值: WinXPSP2x86

volatility -f mem.vmem imageinfo

| ageinfo n KDBG search Instantiated with Wi |
|--|
| Instantiated with Wi |
| instantiated with wi |
| |
| AS) |
| sktop/qzfx_2/mem.vme |
| |
| |
| |
| |
| |
| |
| |
| |
| 🕅 net/mcmuvanga |
| annovniornayanga |
| e |

列举进程,可以发现一个TrueCrypy.exe的进程。

volatility -f mem.vmem --profile=WinXPSP2x86 pslist

| root@kali2-2017:~/Desktop/qzfx_2 | # volat | ility - | f mem.v | /mempro | ofile=Wi | nXPSP2 | x86 pslist | | |
|----------------------------------|---------|---------|---------|---------|----------|--------|------------|----------|-------|
| Volatility Foundation Volatility | Framew | ork 2.6 | | | | | | | |
| Offset(V) Name | PID | PPID | Thds | Hnds | Sess | Wow64 | Start | | |
| | | | | | | | | | |
| 0x821b9830 System | 4 | θ | 62 | 253 | | 0 | | | |
| 0x81fb9210 smss.exe | 552 | 4 | | 19 | | 0 | 2016-05-03 | 04:32:10 | UTC+0 |
| 0x81c14da0 csrss.exe | 616 | 552 | 10 | 328 | θ | 0 | 2016-05-03 | 04:32:12 | UTC+0 |
| 0x81f81880 winlogon.exe | 640 | 552 | 18 | 449 | θ | θ | 2016-05-03 | 04:32:12 | UTC+0 |
| 0x8208fda0 services.exe | 684 | 640 | 16 | 260 | 0 | 0 | 2016-05-03 | 04:32:12 | UTC+0 |
| 0x81c32b10 lsass.exe | 696 | 640 | 18 | 333 | θ | 0 | 2016-05-03 | 04:32:12 | UTC+0 |
| 0x820a19a0 vmacthlp.exe | 852 | 684 | 1 | 25 | 0 | 0 | 2016-05-03 | 04:32:13 | UTC+0 |
| 0x81c30458 svchost.exe | 864 | 684 | 18 | 201 | 0 | 0 | 2016-05-03 | 04:32:13 | UTC+0 |
| 0x81c67020 svchost.exe | 948 | 684 | 11 | 238 | θ | θ | 2016-05-03 | 04:32:13 | UTC+0 |
| 0x81ce7da0 svchost.exe | 1040 | 684 | 55 | 1103 | 0 | 0 | 2016-05-03 | 04:32:13 | UTC+0 |
| 0x81c25020 svchost.exe | 1096 | 684 | 4 | 66 | 0 | 0 | 2016-05-03 | 04:32:13 | UTC+0 |
| 0x82002b28 svchost.exe | 1256 | 684 | 13 | 194 | θ | 0 | 2016-05-03 | 04:32:14 | UTC+0 |
| 0x81f6c988 explorer.exe | 1464 | 1448 | 12 | 329 | θ | 0 | 2016-05-03 | 04:32:14 | UTC+0 |
| 0x82085550 spoolsv.exe | 1576 | 684 | 13 | 140 | θ | 0 | 2016-05-03 | 04:32:14 | UTC+0 |
| 0x81f64560 vmtoolsd.exe | 1712 | 1464 | 5 | 145 | 0 | 0 | 2016-05-03 | 04:32:15 | UTC+0 |
| 0x820a3528 ctfmon.exe | 1736 | 1464 | 1 | 78 | θ | θ | 2016-05-03 | 04:32:15 | UTC+0 |
| 0x81f7d3c0 vmtoolsd.exe | 2020 | 684 | | 273 | θ | θ | 2016-05-03 | 04:32:23 | UTC+0 |
| 0x8207db28 TPAutoConnSvc.e | 512 | 684 | 5 | 99 | 0 | 0 | 2016-05-03 | 04:32:25 | UTC+0 |
| 0x81c26da0 alg.exe | 1212 | 684 | 6 | 105 | θ | 0 | 2016-05-03 | 04:32:26 | UTC+0 |
| 0x81f715c0 wscntfy.exe | 1392 | 1040 | 1 | . 39 | , | 0 | 2016-05-03 | 04:32:26 | UTC+0 |
| 0x81e1f520 TPAutoConnect.e | 1972 | 512 | 1 | http | s://ba | og.cs | dninet/n | 10mulye | piqa |
| 0x81f9d3e8 TrueCrypt.exe | 2012 | 1464 | 2 | 139 | θ | 0 | 2016-05-03 | 04:33:36 | UTC+0 |

TrueCrypy.exe是一款加密程序,而我们可以推出,suspicion为加密的结果。我们需要从内存dump出key来。dump出来的文件为1464.dmp。

| <pre>root@kali2-2017:~/Desktop/qzfx_2# volatility -f mem.vmemprofile=WinXPSP2x86 r</pre> | memdump | -p] | 14 |
|--|---------|------|----|
| 64 -D /root/Desktop/qzfx_2/ | | | |
| Volatility Foundation Volatility Framework 2.6 | | | |
| ********** | | | |
| Writing explorer.exe [1464] to 1464.dmp | | | |
| | | | |

我们需要借助Elcomsoft Forensic Disk Decryptor(Elcomsoft硬盘取证解密器,简称为EFDD)软件来获取key和破解文件。

ł

| Select G:\浏览器下载\llq\易霖博题目\取证: | 密文 分析2\suspicion |
|---|--|
| Select source of keys ④ Memory dump 〇 Hibernation file 〇 Saved keys Open Keys\Memory G:\浏洗器下號\Ilq\易骤博题目\取证: dum </th <th>3析2\1464.dmp Browse 和学研究的文件</th> | 3析2\1464.dmp Browse 和学研究的文件 |
| y control control on occupion felp | ^ |
| Statistics: BEGIN KEYS SEARCH Progress: 100% [96 of 96 MB] END SEARCHING Time: 6 seconds. Search result: Algorithm: TrueCrypt' Volume Master Key data (hex): 030000006das0cef6be318bd75080ecd 8048263c179933ab2b30fcce872511 706970595443269300000000000000000000000000000000000 | Keys 53287f74bcacad0ed9636a05838 pad043be78119ff4dc2960fc62032 0000000000000000000000000000000000 |
| | |

| | Mo Dis TC TC | P/IP Ac P/IP Ac | g Options: er: 'H' ddress: 'localhost' ort: '8888' | 在H盘 | ł | | | | ~ | |
|------------------------------|-----------------------|--------------------|---|-----|------|-------------|----------|------|----|------|
| | Sta | tus: 'C | DISK MOUNTED' | | | | | | | |
| | | | | | | | | | ~ | |
| | 0 | ptions | | | | Ur | nmou | nt | | |
| | | | | | | | | | | |
| | 私知识关 | 重方式 | 组织 | 文件夹 | 新建 | ▲ 历史记 打开 | ₽ | 及向选择 | 选择 | |
| 剪贴板 | | 本地磁會 | 할 (H:) | | | | ~ | Ö | Q | 搜索"本 |
| 剪贴板 ↑ 🗢 ^{>} ៨ | :电脑 > | | | | | | | | | |
| 剪贴板 ↑ ~) # Stego | (地脑) | 名称 | ^ | | 修改日期 | 类型 | | | 大小 | |

PCTF{T2reCrypt_15_N07_S3cu2e}

神秘的文件

附件是一个flag.zip压缩包(需要密码)和图片,双击压缩包发现图片也在那个压缩包里,是明文攻击,利用winrar将logo压缩成 zip,记住一定要用winrar压缩

之后使用ARCHRP进行破解,得到密码

| ARCHPR 4. | 54 - 0% | | | | | X | - | _ |
|--|--|-----------------------|------------------------|-----------|----------------|------------|----------------|------|
| 文件(F) 恢复(| R) 帮助(H) | | | | | | 計 查找 | £ - |
| A | | CS | NA C | 2 | | 同 | tac 苔折 ▶ 选择 | £ → |
| 177 77 | | 叠准则IU | 开级 西古米田 | 邗助 | 大丁 | 기전다 | 编辑 | |
| G:\浏览器下载 | 山令已成功 | 恢复! | 1011/20/09 | | | | | × |
| | | Advan | ced Archive F | assword P | Recovery 纺 | 计信息: | | |
| 范围长度 | 1 总计口令 | | | n/a | | | | |
| 明文这项明文文件路径 | : 总计时间 | | | 16s 39 | ms | | | |
| G:\浏览器下载 | www.平均速度(| 口令/秒) | | n/a | | | | |
| → 恋知 | 这个文件的 | 阳令 | | q1w2e | 3r4 | | | 4 |
| - LL 10 | 十六进制 | 1 令 | | 71 31 | 77 32 65 33 | 72 34 | | 2 |
| □ 允许使用二 壮本室口 | 进 | 📊 保存 | | | | ✔ 确定 | | |
| 2020/9/25 16:3 2020/9/25 16:3 2020/9/25 16:3 | 88:23 - 明文攻击 88:39 - 加密密制 88:39 - 口令已成 | 记开始 已成功恢复! 动恢复! | 8口令保存到 | 刘文件 | | ^ | | T |
| 2020/9/25 16:3 | 38:40 - 'q1w2e3r | 4 是这个文件 | 的一个有效 | (口令 | | ~ | | |
| 当前口令: 2月时间: 月文攻击正在进 | n/a 16s 行, 尝试找回 | 口令(最长91 | 平均速度: 剩余时间: 內符号) | n/ 1 | a n 16m 10s | | | |
| | | 09 | 6 | | | | | |
| CHPR version 4 | .54 (c) 1997-20 | 12 ElcomSoft C | Co. Ltd. | mps | maiodie | sernnet/fi | temuya | n Je |



哪有什么 WriteUP, 别想了ma老老实实做题吧!myanga

将文件放到kali里用binwalk看一下,

I

| ECIMAL | HEXADECIMAL | DESCRIPTION |
|-----------|---------------------|---|
| | θχθ | Zip archive data, at least v2.0 to extract, compr |
| sed size: | 362, uncompressed s | size: 695, name: docProps/app.xml |
| 72 | 0x2A0 | Zip archive data, at least v2.0 to extract, compr |
| sed size: | 387, uncompressed s | size: 773, name: docProps/core.xml |
| 370 | 0x55A | Zip archive data, at least v1.0 to extract, compr |
| sed size: | 36452, uncompressed | size: 36452, name: docProps/thumbnail.jpeg |
| 7875 | 0x93F3 | Zip archive data, at least v2.0 to extract, compr |
| sed size: | 1285, uncompressed | size: 4056, name: word/document.xml |
| 9207 | 0x9927 | Zip archive data, at least v2.0 to extract, compr |
| sed size: | 476, uncompressed s | ize: 1529, name: word/fontTable.xml |
| 9731 | 0x9B33 | Zip archive data, at least v1.0 to extract, compr |
| sed size: | 222845, uncompresse | ed size: 222845, name: word/media/imagel.png |
| | | |

果真有猫腻,foremost分离一下文件,在里面找到了flag.txt,打开发现是base64编码,解码一下



| uh234k#G#755 | :FzX3ppUP9maWzlfQ- | | | | | | |
|--------------|--------------------|---|-----|------------------------------|---|--|--|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 编码 | base64 | × | 李符集 | utt8(unicode it (55)) | ¥ | | |

disk

放到kali先用binwalk检查一下

| root@kali2-20 | 17:~/Desktop/dis | k# binwalk disk0 |
|---------------|------------------|--|
| DECIMAL | HEXADECIMAL | DESCRIPTION |
| 0 | ΘχΘ | Linux EXT filesystem, rev 1.0, ext3 filesystem dat |
| a, UUID=f4d4c | 80b-0724-4c50-89 | cc-bfb6f962f962 |
| 1160 | 0x488 | Unix path: /root/MasterofZip-Hard/Generator/disk00 |
| 208896 | 0x33000 | Linux EXT filesystem, rev 1.0, ext3 filesystem dat |
| a, UUID=f4d4c | 80b-0724-4c50-89 | cc-bfb6f962f962 |
| 210056 | 0x33488 | Unix path: /root/MasterofZip-Hard/Generator/disk00 |
| 224256 | 0x36C00 | Linux EXT filesystem, rev 1.0, ext3 filesystem dat |
| a, UUID=f4d4c | 80b-0724-4c50-89 | cc-bfb6f962f962 |
| 225416 | 0x37088 | Unix path: /root/MasterofZip-Hard/Generator/test |
| 231424 | 0x38800 | Linux EXT filesystem, rev 1.0, ext3 filesystem dat |
| a, UUID=f4d4c | 80b-0724-4c50-89 | cc-bfb6f962f962 |
| 232584 | 0x38C88 | Unix path: /root/MasterofZip-Hard/Generator/test |
| 253952 | 0x3E000 | Linux EXT filesystem, rev 1.0, ext3 filesystem dat |
| a, UUID=f4d4c | 80b-0724-4c50-89 | cc-bfb6f962f962 |
| 255112 | 0x3E488 | Unix path: /root/MasterofZip-Hard/Generator/test |
| 263168 | 0x40400 | Linux EXT filesystem, rev 1.0, ext3 filesystem dat |
| a, UUID=f4d4c | 80b-0724-4c50-89 | cc-bfb6f962f962 https://blog.ocdp.pot/memuvapga |
| 264328 | 0x40888 | Unix path: /root/Masterorzip-Hard/Generator/test |

有猫腻,用foremost恢复看一下

| Documents I level1.zip O Downloads Music Pictures Videos Trash | ☐ Home Desktop | 21P 0000819 zip | < > 🙆 Name | Location: | - | 1 | | level1.zip | | | |
|---|----------------|-----------------------|---------------|-----------|---|-----------|------------|------------|-----------|-------------|-------|
| Oownloads Name ✓ Size Type Modified Music Pictures Videos | Documents | | level1.zip | < > | ŵ | Location: | i / | | | | |
| ♪ Music Image: Tag.png ■ 8.2 kB PNG image 22 November 2019 Image: Pictures Image: Trash | Downloads | | | Name | | | Ŧ | Size | Туре | Modified | |
| | n Music | | | Ilag.png | 3 | | | 8.2 KB | PNG image | 22 November | 2019, |

一个压缩包里还有一个压缩包,然后里面的压缩包里的flag.png上锁了,将原文件改为zip,发现了一个readme文件,打开提示密码被删了

| < > 🏠 Location: 🖀 / | | | | | |
|----------------------|---------|-----------------------------|-------------------|--------------|---|
| Vame - | - Size | Туре | Modified | | × |
| lost+found | 0 bytes | Folder | 22 November 2019, | | |
| [SYS] | 1.0 MB | Folder | | | ^ |
| n readme | | README do | 22 November 2019, | | |
| secr3t0.zip | 6.4 kB | Zip archive | 22 November 2019, | | |
| Open 🗸 🖭 | | readme ~/.cache/.fr-Psab | xU | <u>S</u> ave | |
|):where is passw0rd? | | | | | |

将源文件改为.txt查看,发现了密码

wd don0tgu355p@sswd

???

https://blog.csdn.net/mcmuyanga

Kali打开的时候提示文件宽高存在问题

| • | | ~ | | flag.png | κ ^π Ξ | • | • | 8 |
|---|---------------|-----------------|-------------------------|--|------------------|------------|------|---|
| ß | Coul Fatal | l d no f | t load eading | image "flag.png". PNG image file: IHDR: CRC error | | <u>C</u> a | ncel | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | https://blog.cs | dn.net/mc | muya | ing | a |

用winhex修改图片高度,将之前的01改为02

| lag.ping | | | | | | | | | | | | | | | | | |
|----------|------------|----|----|----|----|----|----|------------|----|----|----|----|----|----|------------|----|--------------------------------|
| Offset | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | В | C | D | Ε | F | ANSI ASCII |
| 00000000 | 89 | 50 | 4E | 47 | 0D | 0A | 1A | 0A | 00 | 00 | 00 | 0D | 49 | 48 | 44 | 52 | %PNG IHDR |
| 00000010 | 00 | 00 | 02 | 80 | 00 | 00 | 02 | 90 | 08 | 02 | 00 | 00 | 00 | BA | B 3 | 4B | € • • K |
| 00000020 | B 3 | 00 | 00 | 1F | A9 | 49 | 44 | 41 | 54 | 78 | 90 | ED | DD | 79 | 90 | 14 | CIDATxœiÝy |
| 00000030 | E5 | DD | 07 | FO | 59 | 59 | 8E | 85 | 5D | 40 | 14 | 44 | 34 | 78 | Al | AS | âÝ ðYYŽ]@ D4x;" |
| 00000040 | 78 | 10 | Fl | C4 | 78 | 20 | DE | B 7 | 41 | 43 | D4 | 18 | 11 | 03 | 46 | 25 | x ñĂx Þ·ACÔ F% |
| 00000050 | A5 | 2B | Fl | 2C | DF | 60 | A2 | 46 | 8D | 78 | 96 | 65 | 69 | 14 | OF | 34 | ¥+ñ,B`oF x-ei 4 |
| 00000060 | A5 | 26 | F1 | 8C | 89 | C6 | 23 | 78 | C4 | F2 | 4E | 79 | 21 | 20 | A8 | 18 | ¥sñ@hE#xÄoNv! |

???

flag{3ae25f72880ac8ca7b1369a32e6c4edb34fdd886}

题目包里还有一个js编码的题目,有师傅做出来了带带小弟呗