攻防世界--MISC高手进阶区(持续更新)





CTF 专栏收录该内容

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base64÷4

base16解码: https://www.qqxiuzi.cn/bianma/base.php?type=16

wireshark-1

下载附件解压缩后为一个.pcap的数据包,用wireshark打开,筛选HTTP数据包,找到post请求包,追踪TCP流找到password字 段得到flag。

Training-Stegano-1

下载附件为一个图片,图片特别小,直接用winhex打开,看到passwd:steganol,直接提交steganol,成功。

János-the-Ripper

下载附件解压缩为一个"misc100"的文件,用winhex打开,文件头为PK,文件为一个zip压缩包,添加.zip后缀,解压缩需要密码,文件中无密码提示,采用暴力破解,得出密码为"fish",解压缩后得到flag。

Test-flag-please-ignore

下载附件解压缩为一个"misc10"的文件,直接打开为"666c61677b68656c6c6f5f776f726c647d",猜想为16进制转字符串,通 过 https://tool.lu/hexstr 进行转换得到flag。

What-is-this

下载附件解压缩得到两个图片,将两张图片进行合并,



得到flag。

embarrass

下载附件解压缩为.pcapng的文件,用wireshark打开,按照分组字节流搜索字符串flag{得到flag。

| (中国) 単純() 単純() 単純() 単純() 単純() 単純() 単純() 単純(| d misc_02.pcapng | | | | | _ | o × |
|--|------------------------------------|--|--------------------------------|----------------------|---------------------------|---------------------------------|--------------|
| ● | 文件(F) 编辑(E) 视图(V) | 跳转(G) 捕获(C) 分析(A) 统计(S) | 电话(Y) 无线(W) 工具(T) 帮助(H) | | | | |
| ● 四男型子过總書 … cful-0 ● 本は本:・・・ ● 本は本:・・ ● 本はホ:・ ● スはホ:・ ● スはホ:・ <t< td=""><td>🥖 🔳 🖉 💿 📘 🛅 🗙</td><td>🖸 � ⇔ ⇔ ≅ 🗿 🛃 📃</td><td>€, €, €, ∰</td><td></td><td></td><td></td><td></td></t<> | 🥖 🔳 🖉 💿 📘 🛅 🗙 | 🖸 � ⇔ ⇔ ≅ 🗿 🛃 📃 | €, €, €, ∰ | | | | |
| 分組字件森 ◇ 数字 区 Destination Protocol Langt No. Time Source Destination Protocol Langt Langt Ack-4510049 Min-262144 Len-0 2760 182.214552 192.168.197.1 192.168.197.128 TCP 60 3360 + 52176 [ACK] Seq-1 Ack-4510049 Min-262144 Len-0 2761 182.214539 192.168.197.1 192.168.197.128 TCP 60 3360 + 52176 [ACK] Seq-1 Ack-4510049 Min-262144 Len-0 2761 182.214549 192.168.197.1 192.168.197.128 TCP 60 3360 + 52176 [ACK] Seq-1 Ack-4510493 Min-26144 Len-0 2763 182.215649 192.168.197.1 192.168.197.128 TCP 60 3360 + 52176 [ACK] Seq-1 Ack-4520465 Win-262144 Len-0 2764 182.215649 192.168.197.1 192.168.197.128 TCP 60 3360 + 52176 [ACK] Seq-1 Ack-4520465 Win-262144 Len-0 2765 182.21667 192.168.197.1 192.168.197.128 TCP 60 3360 + 52176 [ACK] Seq-1 Ack-4520495 Win-262144 Len-0 2765 182.21667 192.168.197.128 TCP <td>▲ 应用显示过滤器 … <ctrl-< p=""></ctrl-<></td> <td>-/></td> <td></td> <td></td> <td></td> <td></td> <td>表达式… +</td> | ▲ 应用显示过滤器 … <ctrl-< p=""></ctrl-<> | -/> | | | | | 表达式… + |
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| 2763 182.215143 192.168.197.1 192.168.197.128 TCP 60 3360 + 52176 [ACK] Seq-1 Ack+4516993 Win-262144 Len-0 2764 182.215689 192.168.197.1 192.168.197.128 TCP 60 3360 + 52176 [ACK] Seq-1 Ack+4520465 Win-262144 Len-0 2765 182.216249 192.168.197.128 TCP 60 3360 + 52176 [ACK] Seq-1 Ack+4520465 Win-262144 Len-0 2766 182.216449 192.168.197.128 TCP 60 3360 + 52176 [ACK] Seq-1 Ack+4520465 Win-262144 Len-0 2766 182.216449 192.168.197.128 192.168.197.1 FIP-DAL 328 FTP Data: 32768 bytes (PASV) (SIZE misc2.pcapng) Frame 2766: 32822 bytes on wire (262576 bits), 32822 bytes captured (262576 bits) on interface 0 > Ethernet II, Src: Ymware_b2:75:e0 (00:0c:29:b2:75:e0), Dst: Ymware_c0:00:08 (00:50:56:c0:00:08) > Internet Protocol Version 4, Src: 192.168.197.128.197.1 > Transmission Control Protocol, Src Port: 52176, Dst Port: 3360, Seq: 4554753, Ack: 1, Len: 32768 FTP Data (32768 bytes data) | 2762 182.214540 | 192.168.197.1 | 192.168.19 | 7.128 TCP | 60 3360 → 52176 [ACK] Se | q=1 Ack=4514037 Win=261624 Len= | 0 |
| 2764 182.215689 192.168.197.1 192.168.197.128 TCP 60 3360 ÷ 52176 Ack=4520465 Win=262144 Len=0 2765 182.216267 192.168.197.128 TCP 60 3360 ÷ 52176 [Ack] Seq=1 Ack=4521985 Win=262144 Len=0 2766 182.216449 192.168.197.128 TCP 60 3360 ÷ 52176 [Ack] Seq=1 Ack=4521985 Win=262144 Len=0 2766 182.216449 192.168.197.128 TCP 60 3360 ÷ 52176 [Ack] Seq=1 Ack=4521985 Win=262144 Len=0 2766 182.216449 192.168.197.128 TCP 60 3360 ÷ 52176 [Ack] Seq=1 Ack=4521985 Win=262144 Len=0 2766 182.216449 192.168.197.128 TCP 60 3360 ÷ 52176 [Ack] Seq=1 Ack=4521985 Win=262144 Len=0 4 Transmission Vinware_0262576 bits) Nine=Color Size Vinware_Color Size Vinware_Color Vinware_Color Vinware_Color Size Vinware_Color Vi | 2763 182.215143 | 192.168.197.1 | 192.168.19 | 7.128 TCP | 60 3360 → 52176 [ACK] Se | q=1 Ack=4516993 Win=262144 Len= | 0 |
| 2765 182.216267 192.168.197.1 192.168.197.128 TCP 60 3360 + 52176 [ACK] Seq=1 Ack=4521985 Win=262144 Len=0 2766 182.216449 192.168.197.128 192.168.197.1 FTP-DA 328 FTP Data: 32768 bytes (PASV) (SIZE misc2.pcapng) > Frame 2766: 32822 bytes on wire (262576 bits), 32822 bytes captured (262576 bits) on interface 0 > Ethernet II, Src: Vmware_b2:75:e0 (00:0c:29:b2:75:e0), Dst: Vmware_c0:00:08 (00:50:56:c0:00:08) > Internet Protocol Version 4, Src: 192.168.197.128, Dst: 192.168.197.1 > Transmission Control Protocol, Src Port: 52176, Dst Port: 3360, Seq: 4554753, Ack: 1, Len: 32768 FTP Data (32768 bytes data) [Setup frame: 1236] [Setup method: PASV] [Cormand: SIZE misc2.pcapng] 0860 00 66 6c 61 67 7b 47 6f 6f 64 5f 62 30 79 5f 57 0860 00 60 60 00 00 6 | 2764 182.215689 | 192.168.197.1 | 192.168.19 | 7.128 TCP | 60 3360 → 52176 [ACK] Se | g=1 Ack=4520465 Win=262144 Len= | 0 |
| 2766 182.216449 192.168.197.128 192.168.197.1 FTP-DA 328 FTP Data: 32768 bytes (PASV) (SIZE misc2.pcapng) > Frame 2766: 32822 bytes on wire (262576 bits), 32822 bytes captured (262576 bits) on interface 0 > Ethernet II, Src: Vmware_b2:75:e0 (00:0c:29:b2:75:e0), Dst: Vmware_c0:00:08 (00:59:56:c0:00:08) > Internet Protocol Version 4, Src: 192.168.197.128, Dst: 192.168.197.13 > Transmission Control Protocol, Src Port: 52176, Dst Port: 3360, Seq: 4554753, Ack: 1, Len: 32768 FTP Data (32768 bytes data) [Setup method: PASV] [Setup method: PASV] [Command frame: 1236] [Setup method: PASV] | 2765 182.216267 | 192.168.197.1 | 192.168.19 | 7.128 TCP | 60 3360 → 52176 [ACK] Se | q=1 Ack=4521985 Win=262144 Len= | 0 |
| Frame 2766: 32822 bytes on wire (262576 bits), 32822 bytes captured (262576 bits) on interface 0 Ethernet II, Src: Vmware_b2:75:e0 (00:0c:29:b2:75:e0), Dst: Vmware_c0:00:08 (00:50:56:c0:00:08) Internet Protocol Version 4, Src: 192.168.197.128, Dst: 192.168.197.1 Transmission Control Protocol, Src Port: 52176, Dst Port: 3360, Seq: 4554753, Ack: 1, Len: 32768 FTP Data (32768 bytes data) [Setup frame: 1236] [Setup method: PASV] [Command frame: 1241 [Current working directory: /] OBe0 00 66 6c 61 67 7b 47 6f 6f 64 5f 62 30 79 5f 57 •flag{Go od_b0y_W 310_Done } https://blog.csdn.net/on_4/3081177 | 2766 182.216449 | 192.168.197.128 | 192.168.19 | 7.1 FTP-DA. | 328 FTP Data: 32768 bytes | (PASV) (SIZE misc2.pcapng) | = |
| <pre>> Frame 2766: 32822 bytes on wire (262576 bits), 32822 bytes captured (262576 bits) on interface 0 > Ethernet II, Src: Vmware_b2:75:e0 (00:0c:29:b2:75:e0), Dst: Vmware_c0:00:08 (00:50:56:c0:00:08) > Internet Protocol Version 4, Src: 192.168.197.128, Dst: 192.168.197.1 > Transmission Control Protocol, Src Port: 52176, Dst Port: 3360, Seq: 4554753, Ack: 1, Len: 32768 FTP Data (32768 bytes data) [Setup frame: 1236] [Setup method: PASV] [Command frame: 1241 [Current working directory: /] 08e0 00 66 6c 61 67 7b 47 6f 6f 64 5f 62 30 79 5f 57 0900 00 00 1e 00 00 00 05 00 00 00 bl ea cc e2 00 03 </pre> | < | | | | | | > L |
| <pre>> Ethernet II, Src: Vmware_b2:75:e0 (00:0c:29:b2:75:e0), Dst: Vmware_c0:00:08 (00:50:56:c0:00:08) > Internet Protocol Version 4, Src: 192.168.197.128, Dst: 192.168.197.1 > Transmission Control Protocol, Src Port: 52176, Dst Port: 3360, Seq: 4554753, Ack: 1, Len: 32768 FTP Data (32768 bytes data) [Setup frame: 1236] [Setup method: PASV] [Command frame: 1241 [Current working directory: /] 08e0 00 66 6c 61 67 7b 47 6f 6f 64 5f 62 30 79 5f 57 0900 00 00 1e 00 00 00 95 00 00 00 b1 ea cc e2 00 03 </pre> | > Frame 2766: 32822 | bytes on wire (262576 bits), | 32822 bytes captured (262576 | bits) on interface 0 | | | |
| <pre>> Internet Protocol Version 4, Src: 192.168.197.128, Dst: 192.168.197.1 > Transmission Control Protocol, Src Port: 52176, Dst Port: 3360, Seq: 4554753, Ack: 1, Len: 32768 FTP Data (32768 bytes data) [Setup frame: 1236] [Setup method: PASV] [Command frame: 1241 [Current working directory: /] 08e0 00 66 6c 61 67 7b 47 6f 6f 64 5f 62 30 79 5f 57 0800 00 66 6c 61 67 7b 47 6f 6f 64 5f 62 30 79 5f 57 0980 00 00 1e 00 00 00 95 00 00 00 bl ea cc e2 00 00 </pre> | > Ethernet II, Src: | Vmware_b2:75:e0 (00:0c:29:b2 | :75:e0), Dst: Vmware_c0:00:08 | (00:50:56:c0:00:08) | | | |
| <pre>> Transmission Control Protocol, Src Port: 52176, Dst Port: 3360, Seq: 4554753, Ack: 1, Len: 32768 FTP Data (32768 bytes data) [Setup method: PASV] [Command: FARme: 1241 [Current working directory: /] 08e0 00 66 cc 61 67 7b 47 6f 6f 64 5f 62 30 79 5f 57 0418 00 00 01 e 00 00 00 05 00 00 0b 1 e a cc e 2 00 03</pre> | > Internet Protocol | Version 4, Src: 192.168.197. | 128, Dst: 192.168.197.1 | | | | |
| FTP Data (32768 bytes data) [Setup frame: 1236] [Setup method: PASV] [Command: SIZE misc2.pcapng] Command frame: 1241 [Current working directory: /] 08e0 00 66 cc 61 67 7b 47 6f 6f 64 5f 62 30 79 5f 57 •flag{Go od_b0y_W 31 Command frame: 1241 [Current working directory: /] 08e0 00 66 cc 61 67 7b 47 6f 6f 64 5f 62 30 79 5f 57 •flag{Go od_b0y_W 311_Done } 0900 00 01 e 00 00 00 50 00 00 bl ea cc e2 00 03 | > Transmission Contr | ol Protocol, Src Port: 52176 | , Dst Port: 3360, Seq: 4554753 | , Ack: 1, Len: 32768 | | | |
| [Setup frame: 1236] [Setup method: PASV] [Command: SIZE misc2.pcapng] Command: frame: 1241 [Current working directory: /] 08e0 00 66 6c 61 67 7b 47 6f 6f 64 5f 62 30 79 5f 57 •flag{Go od_b0y_W 33 6c 6c 5f 44 6f 6e 65 7d 00 0c 10 00 00 02 00 311_Done } 0900 00 00 1e 00 00 05 00 •method: networking directory | FTP Data (32768 by | rtes data) | | | | | |
| [Setup method: PASV] [Command frame: 1241 [Current working directory: /] 08e0 00 66 6c 61 67 7b 47 6f 6f 64 5f 62 30 79 5f 57 0876 33 6c 6c 5f 44 6f 6e 65 7d 00 0c 10 00 00 00 00 0860 00 00 1e 00 00 00 50 00 00 0b 1e a cc e2 00 03 | [Setup frame: 1236 | 51 | | | | | |
| [Command: SIZE misc2.pcapng] Command frame: 1241 [Current working directory: /] 08e0 00 66 cc 61 67 7b 47 6f 6f 64 5f 62 30 79 5f 57 08f0 33 6c 6c 5f 44 6f 6e 65 7d 00 cc 10 00 00 20 00 0900 00 01 e 00 00 00 50 00 00 bl ea cc e2 00 03 | [Setup method: PAS | 5V] | | | | | |
| Command frame: 1241 [Current working directory: /] 08e0 00 66 6c 61 67 7b 47 6f 6f 64 5f 62 30 79 5f 57 •flag{Go od_b0y_W 08f0 33 6c 6c 5f 44 6f 6e 65 7d 00 0c 10 00 00 20 00 9000 00 01 e 00 00 00 50 00 00 0b 1e ac cc 20 00 31 •flag{Go od_b0y_W •flag{Go od_b00 00 00 00 00 00 00 00 00 00 00 00 00 | [Command: SIZE mis | c2.pcapng] | | | | | |
| [Current working directory: /] 08e0 00 66 cc 61 67 7b 47 6f 6f 64 5f 62 30 79 5f 57 08f0 33 6c 6c 5f 44 6f 6e 65 7d 00 0c 10 00 00 20 00 0900 00 01 e 00 00 00 50 00 00 b1 ea cc e2 00 03 | Command frame: 124 | 1 | | | | | |
| 08e0 00 66 6c 61 67 7b 47 6f 64 5f 62 30 79 5f .flag{Go od_b0y_W .integration of the second of the | [Current working d | lirectory: /] | | | | | |
| 08e0 00 66 6c 61 67 7b 47 6f 64 5f 62 30 79 5f .flag{Go od_b0y_W 31 31 00< | | | | | | | |
| 08f0 33 6c 6c 5f 44 6f 6e 65 7d 00 0c 10 00 00 20 0 311_Done } 0900 00 00 1e 00 00 05 00 00 05 0 00 00 b1 ea cc e2 00 03 | 08e0 00 66 6c 61 67 | 7 7b 47 6f 6f 64 5f 62 30 79 | 5f 57 ·flag{Go od_b0y_W | | | | ^ |
| 0900 00 00 1e 00 00 00 05 00 00 00 b1 ea cc e2 00 03 | 08f0 33 6c 6c 5f 44 | 1 6f 6e 65 7d 00 0c 10 00 00 | 02 00 311_Done } | | | | |
| | 0900 00 00 1e 00 00 | 00050000000000000000000000000000000000 | 00 03 | | | | /qq_43081170 |

神奇的Modbus

下载附件是一个后缀为.pcapng的文件,用wireshark打开,根据题目"神奇的Modbus"搜索协议为"Modbus/TCP"协议的数据流,寻找flag无果,追踪TCP流,看到sctf{Easy_Mdbus}



直接提交显示错误,根据modbus猜想flag为sctf{Easy_Modbus},提交成功。

MISCall

下载附件,是一个不知道什么后缀的文件,放进kali,binwalk查看文件信息,是一个zip压缩包,

| rootikali:~/桌i | 🕮 # binwalk d02f | F31b893164d56b7a8e5edb47d9be5 |
|----------------|------------------|--|
| DECIMAL | HEXADECIMAL | DESCRIPTION |
| 0 0 | 0×0 | bzip2 compressed data, block size = 900k |

解压缩得到一个 ctf 的文件

夹,文件夹里有两个文件,一个.git 的文件夹和一个 flag.txt 的文本文档,打开 flag.txt 没找到flag,

☐ flag.txt - 记事本 文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)
Nothing to see here moving along

Nothing to see here, moving along...

只能从 .git 下手, 使用 git stash list: 查看stash了哪些存储 git stash show: 显示做了哪些改动;



git stash apply::应用某个存储,恢复之前的存储,但不会把存储从存储列表中删除(将原来的flag.txt重命名或删除)。



运行s.py得到flag。

xootikali:~/桌面/ctf# python s.py NCN4dd992213ae6b76f27d7340f0dde1222888df4d3

flag_universe

下载附件解压缩是一个pcapng文件,用wireshark打开,追踪TCP数据流,

ZmxhZ3tUaG1zIG1zIGZha2UgZmxhZyBoYWhhaGF9

base64解密后flag{This is fake flag hahaha},是一个假的flag,继续追踪TCP数据流,universe.png中也没有flag,当追踪到第14 个TCP数据流时,有一个new_universe.png,将原始数据保存到txt文本文档中,

| 895 | 504e470d0a1a0a000000d49484452000004b00000032108020000077dedff00001000049444154789c8cfd5793655972e7872eb | ^ |
|------|--|--------------|
| 1d5 | 5d121335294c8aceeaa021a841808c3450334da05efdcb9e4035ff90df885f82d687c216914c6a11136c6191830e8668be902aaab | |
| abb | ba44cad0479fb3c55aeb3efcc2bd7666560db11fd222228fd87b2d5f2efefe7777fbf80fff2cf39937a9099d89d1e76559e4d6f92 | |
| e74 | 426199b42179309d1655959e659592c173b97b9ed6e77767ad2b6dde5d5f5bdb3d3f168fcf4f9f383c934cbfd66b56942371c0cab | |
| 226 | efba301a0d77abcd7abb8e21799f655916530c5db7d96fa7d38977aeebba1863bd6b0f0f661ffecec77ffd9fff7ffee9d79ffe874 | |
| ffe | ec3f5d575683b6b4c9ba28dd13a5b0d475dd7aee6f390cc6c3c31c62cd6eb98e2d1c1c170340a5de84297f9cc3b176278f9f2e5c9 | |
| bdd | 13ae696ee7f3b2288bbcd8ed775d170e8f8f56cb65dbd4c3d178321c8514b7dbed7ebfcfb2cc5a3b1a8dc6e3714a69bd5e8710cab | |
| 2f4 | 4c91c1c1c6cb7dbbaaef33c9fcfe729a50f3ffcf0d5ab57abd5aa288ad168648c71ce354d737179797070909cf5de17459165598c | |
| b1a | aeebbaaebdf7defbdffddddffdc10f7ef0e2c58b4f3ef964b95c3ae766a3f1783cbebaba72ce1545915272ce7dfdf5d7efbcf38ef | |
| 776 | e3c1e4f2693b66dafaeae168b45883184508d86defba6698c315555596b9ba6393a3ada6c3665591645b15c2ef9c610c26eb7cbf3 | |
| bc2 | 2ccbdd6e57d7f5e9e9e96432b9b9b9994c26fbfdbeae6b634c5114ceb91042dbb62c02cf3b9bcdb22c5b2c164dd31445717c7cdcb | |
| 660 | 108a1288a8b8b8bfd7eff831ffce0d9b367799e0f0683b22c4308fbfdbeeb3ae75c599683c1e0fafa3aa5f4fefbef87109e3d7b16 | |
| 421 | 188d463146562ccb32634cdbb65dd7cd66336bad31a6699af57addb6ed743a3d3d3d5d2c16ceb9f1789ce7f9f9f9f9f9f3e7cf87c3e | |
| 17 | befbdf7d77ffdd77ff7777ff78ffff88f45511c1e1ea694524a6559ae562bf6a2ebbac964329bcd96cbe5b367cf8aa2180c0631c6 | |
| ed7 | 769b65d9d1d1d16030e8ba6e3e9fcf66b310428c713a9d8610168b45dbb6f7eeddf3dec718e7f3b9b5f6bdf7de0b21f07583c1c07 | |
| b3t | f9bcd168bc576bb3d3d3d5dad562184f178dc75dd6eb73b393979f8f0e17c3effc77ffcc7aaaacab26cdb76bd5eb386ce3976aaae | |
| ebo | cd66d375dd783c9ecd66ceb9fd7ebfd96cacb5de7b6b6dd7756ddb3ae7aaaa1a0c06c698ed76bb5eaf5990a228baae5bafd7b3d96ceb6dd7b6db5eaf5990a228baae5bafd7b3d96ceb6dd7b6db5eaf5990a228baae5bafd7b3d96ceb6dd7b6db5eaf5990a228baae5bafd7b3d96ceb6dd7b6db5eaf5990a228baae5bafd7b3d96ceb6dd7b6db5eaf590a228baae5bafd7b3d96ceb6dd7b6db5eaf590a228baae5bafd7b3d96ceb6dd7b6db5eaf590a228baae5bafd7b3d96ceb6dd7b6db5eaf590a228baae5bafd7b3d96ceb6dd7b6db5eaf590a228baae5bafd7b3d96ceb6dd7b6db5eaf5990a228baae5bafd7b3d96ceb6db5eaf590a228baae5bafd7b3d96ceb6dd7b6db5eaf590a228baae5bafd7b3d96ceb6dd7b6db5eaf590a228baae5bafd7b3d96ceb6dd7b6db5eaf590a228baae5bafd7b3d96ceb6dd7b6db5eaf590a228baae5bafd7b3d96ceb6dd7b6db5eaf590a228baae5bafd7b3d96ceb6db5eaf590a | |
| cb7 | 7dbadd7ebc96432180c9aa689314e2693baaef7fb7d08c139e79c8b31765d5755154f34180cb22c3b383860bb3ffffcf3478f1ebd | |
| f3d | ce3bceb9972f5f9e9f9f5b6b2793499665485a511431c6dd6ec73a374d5396a5f73ea554144555556ddbae56ab972f5f1e1d1d655 | |
| 9e6 | 5bd3f383808215c5f5fd7753d1a8db80d634c0881054f29e579feeebbef9e9e9ededcdc9c9f9f0f0683b66d3ffffcf377de7927a5 | |
| 341 | la8d524a373737887a5dd755552d160b563bcff3dd6ec76adcdede4ea7531e79381c3ae776bb1d62d6751d4729cff3baae77bb1d7 | |
| f39 | 03838984c2631c6fd7edfb66ddbb64dd3ec76bbd96c36180cf42677bbdd6ab59acd6693c9c439b75aadb6dbad730ef1188d46bc91 | |
| 750 | ceb22ccf73cef2f9f9f9f83c7ee79d77eababeb9b969db36a5e4bd9f4c26a3d168b15870cfbcf2debd7b29256ed85adbb62d7aa9a | |
| aaa | a 3 ccfd 14 ed 65 af 4 c 97 eb f7 fe 79 d77 6 e 6 f 6 f e b ba 9 e 4 c 26 4 55 1 e c 76 b ba 6 6 9 9 c c f a d 2 b 9 27 3 d be d76 b 9 5 c 6 6 5 9 c 6 b 15 a a d 5 6 3 c 2 f 5 2 17 6 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 | |
| 447 | 78369b4d8af6f0f0d0e7c562bd6aea580eaabc289b2eba2c3f3e3d6bda6ebe5c94c5282b8ba60bd6dac3f19453d6b6ed783cde6c3 | |
| 608 | 8fc603040c3b09efbfdbe288ae9743c1866fb7acbdf8d31e837ef3d6b9e5242098410b22c1b94c576be8c5d9379571445ecdaa6dd | |
| 0ff | f3723a1b3efbf2eb878fce5e7cf37430c80fc693e572311c0e2faeafa78767bb7d6dad2d8a82ed1b0e87a7a7a73cfe66b3699a868 | |
| 3d1 | fb6ed60581545d134fbbaae4308dc4f44a95655966529a5100207b06ddbdd6e134398cd26555571c3083682e1bdcfb2cc39c78720 | |
| cf2 | 2184a669eaba46b6abaa2a8a8257164551d7f5d5d555d334a3d1a8280ad4694a0985f0e8d1a32ccbe6f339d28865d96eb73146b4eababababababababababababababababababa | |
| b6a | ab51a9515c2892c2d97cbfd7e3f9d4eb32c1b0c06ceb9f57abd5c2e79a2b22c51b0d823b626cb328ed5e5e5e56030383939d96c36 | |
| 8bo | c5c27b9fe7d9ededed743a6683d00f2ce37abdc688a05b50d45555a5945053d65a1687d598cd66fbfdbe691a6b6d9ee7c618a4a22 | |
| ccb | b2ccbeaba76ce7160379b4d5114373737d3e934c6b8d96c0683c1e9e969dbb62f5fbe1c8f679c324c5e9ee75dd79d9f9f9f9c9c60 | \mathbf{v} |
| 19 🛎 | :产埔 分超, 0 服务器 分超, 0 turn(s). | |
| 整个 | ·对话 (1178 kB) | ÷ |
| 查找 | : | (<u>N</u>) |
| | 滤掉此流 打印 Save as […] 近回 Close Help | |
| | | HF/Q |
| | | |

再复制到winhex中保存为png图片,利用zsteg命令得到flag。



| root@kali:~/桌面# | zsteg | g 1.png |
|-----------------|-------|---|
| imagedata | | text: "\n\n\n111???" |
| b1,r,lsb,xy | | text: "F2&*rq.9Qz" |
| b1,rgb,lsb,xy | | text: "flag{Plate_err_klaus_Mail_Life}\n" |
| b3,g,msb,xy | | file: PGP Secret Sub-key - |
| b3,b,msb,xy | | text: "zC`)XUWS" |

Reverse-it

下载附件,用binwalk分析文件,无隐藏文件

| rootākali:~ | √桌面# binwalk 0d | la9641b7aad4efb8f7eb45f47eaebb2 |
|-------------|-----------------|---------------------------------|
| DECIMAL | HEXADECIMAL | DESCRIPTION |
| rootikali:~ | /桌面# | |

件头的倒序,根据题目reverse-it,将文件内容进行反转,

00001DE0 10 00 10 00 00 30 00 21 10 70 00 80 00 00 000.!.p.€... 00001DF0 A2 00 D4 D4 00 00 66 96 87 54 2D 00 1E FF 00 00 c.ÔÔ..f-‡T-..ÿ. 00001E00 84 00 84 00 10 10 10 00 64 94 64 A4 01 00 0E FF 00001E10 8D FF ...

通过Linux命令行工具将文件内容进行反转,

xxd -p 原文件| tr -d '\n' | rev | xxd -r -p > 反转后的文件名,得到一张图片,

SECCON{6in_tex7}

再利用ImageMagick工具将图片进行反转,得到flag。



用winhex分析, 文件末尾时jpg文

下载附件解压缩是一个.bmp的文件,放到kali,使用 zsteg 愁啥.bmp,得到flag。

| root@kali:~/桌面# : | zste | g 瞅啥,bmp |
|-------------------|------|--|
| | | ata after image end (IEND), offset = 0×269b0e |
| | | ["\x00" repeated 2 times] |
| imagedata | | text: ["\r" repeated 18 times] |
| b1,lsb,bY | | <pre><wbstego ,="" data="\x1Ef\xDE\x9E\xF6\xAE\xFA\xCE\x86\x9E" even="false" ext="\x00\x8E\xEE" size="120,"></wbstego></pre> |
| b1,msb,bY | | text "qwxf{you_say_chick_beautiful?}" |
| b2,msb,bY | | text: "i2,C86k0." |
| b2,r,lsb,xY | | text: "UUUUU9VUUUUUUUUUUUUUUUUUUUUUUUUUUU" |
| 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=12850×8754 |
| b4,g,lsb,xY | | text: "3\"\"\"\"\"3###33##3#UDUEEEEEDDUETEDEDDUEEDTEEEUT#!" |
| b4,g,msb,xY | | text: "\"\"\"\"\"\"\"\"\"\"\"\"\"\"\"\"\"\"\ |
| b4.b.lsb.xY | | text: "gfffffvwgwfgwwfw" nups.//biog.csuh.nevqq_40001170 |

Aesop_secret

下载附件解压缩,打开是一张动态图片图片时分块显示的,将图片进行分解,拼图, 图片在线分解: https://tu.sioe.cn/gj/fenjie/ 得到ISCC。



将图片放进winhex中,看到一串字符串,

000018C0 C4 16 6B EC B1 B2 06 04 00 3B 55 32 46 73 64 47 Ä.kì±²...;U2FsdG 000018D0 56 6B 58 31 39 51 77 47 6B 63 67 44 30 66 54 6A VkX19QwGkcgD0fTj 000018E0 5A 78 67 69 6A 52 7A 51 4F 47 62 43 57 41 4C 68 ZxgijRzOOGbCWALh 000018F0 34 73 52 44 65 63 32 77 36 78 73 59 2F 75 78 35 4sRDec2w6xsY/ux5 00001900 33 56 75 6A 2F 41 4D 5A 42 44 4A 38 37 71 79 5A 3Vuj/AMZBDJ87qyZ 00001910 4C 35 6B 41 66 31 66 6D 41 48 34 4F 65 31 33 49 L5kAf1fmAH4Oe13I 75 34 33 35 62 66 52 42 75 5A 67 48 70 6E 52 6A u435bfRBuZgHpnRj 00001920 00001930 54 42 6E 35 2B 78 73 44 48 4F 4E 69 52 33 74 30 TBn5+xsDHONiR3t0 2B 4F 61 38 79 47 2F 74 4F 4B 4A 4D 4E 55 61 75 00001940 +Oa8yG/tOKJMNUau edvMyN4v4QKiFunw 00001950 65 64 76 4D 79 4E 34 76 34 51 4B 69 46 75 6E 77 --..[] 00001960 3D 3D 0D 0A

根据题目Aesop_secret为aes加密,图片分解拼图的ISCC是解密的密码,解密两次得到flag。



再见李华

下载附件解压缩是一个图片,图片中有一个MD5值,进行MD5解密,解不出来,



将图片放进kali中,利用binwalk看到图片中有一个压缩包,利用foremost进行文

件分离,得到一个压缩包,

| root@kali:~/桌面# binwalk mail2LiHua.jpg | | | | | | | | | | |
|---|---------------------------------|--|--|--|--|--|--|--|--|--|
| DECIMAL | HEXADECIMAL | DESCRIPTION | | | | | | | | |
| 0 30 19273 19436 | 0×0 0×1E 0×4B49 0×4BEC | JPEG image data, JFIF standard 1.01 TIFF image data, little-endian offset of first image directory: 8 Zip archive data, encrypted at least v2.0 to extract, compressed size: 37, uncompressed size: 26, name: key.txt End of Zip archive, footer length: 22 | | | | | | | | |
| root@kall:~/# m # foremost mail2LiHua.jpg Processing: mail2LiHua.jpg [foundat=key.txt@m*D {@@@@@}^@@@@@@@@@@B @v@@@@@@@@@@B @v@@@@@@@@B # https://blog.csdn.net/qq_430811 | | | | | | | | | | |

进行解压缩需要密码,

| 🔇 0% E | 3解压 lihua.zip - Bandizip 6.25 - | _ | | × |
|---------|---|----------|-----------|----------------|
| 0% | 输入密码 | \times | :00 / 00: | 00:00 |
| | key.txt | | | |
| 0% | 请输入密码 | | :00 / 00 | 00:00 |
| key.txt | □用星号隐藏密码(H) →https://blog.coscie.er 确定 取消 | ei/cj | 停止 | 34 17 <u>0</u> |

根据题目描述,不少于1000个字,记得署名,

猜测1000个字是四位,署名LiHua,密码组成为四位字符+LiHua

| 再见李华 12 最佳Writeup由admin提供 | 🔲 WP |
|---|---------------------|
| 难度系数: ◆★★2.0 | |
| 题目来源: ISCC-2017 | |
| 题目描述:假如你是李华(LiHua),收到乔帮主一封密信,没有任何特殊字符,请输入密码,2 | 下少于1000个字。同学,记得署名哦~ |
| | 利用 |

| AZPR进行爆破,得到密码 | D | |
|-------------------|----------------------|----------|
| 🔏 AZPR 4.00 - 86% | | \times |
| Advanced 7 | IP Password Recovery | |

| 22 | | R | <u></u> | ٢ | ? | | | | | |
|--|--|---------------|----------|----------------------------|-------------|---------------|---|--|--|--|
| Open | Save | Start ! | Stop | Benchmark | Help | About | Quit | | | |
| Encrypted | ZIP-file — | | | Type of att | ack — | | | | | |
| C:\Users\. | l_ing\Deski | top\lihua.zip | D | Mask | | | | | | |
| Range L | ength Dic | tionary Plai | n-text A | uto-save Opt | ions Ad | vanced | | | | |
| Brute-force range options All caps latin (A - Z) All small latin (a - z) All digits (0 - 9) End at: All special symbols (!@) Space | | | | | | | | | | |
| Password | successf | ully recove | ered ! | | | Disel-delined | × | | | |
| | | Advanced Z | IP Passw | ord Recovery : | statistics: | | | | | |
| Total pas | swords | | 1: | 2,850,617 | | | | | | |
| Total time | , | | 8 | 875ms | | | | | | |
| Average | verage speed (passwords per second) 14,686,419 | | | | | | | | | |
| Password | for this file | | 1! | 15CCLiHua | | | | | | |
| Password | l in HEX | | 3 | 31 35 43 43 4c 69 48 75 61 | | | | | | |
| | | | | | | | and the second se | | | |

解压缩得到flag。

stage1

StegSolve 1.3 by Caesum File Analyse Help



扫描二维码时十六进制字符,复制到winhex中,

| Offset(h) | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 0A | 0B | 0C | 0D | 0E | 0F | |
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------------------------------------|
| 00000000 | 03 | F3 | 0D | 0A | Β6 | 26 | 6A | 57 | 63 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | .ó¶&jWc |
| 00000010 | 00 | 01 | 00 | 00 | 00 | 40 | 00 | 00 | 00 | 73 | 0D | 00 | 00 | 00 | 64 | 00 | @sd. |
| 00000020 | 00 | 84 | 00 | 00 | 5A | 00 | 00 | 64 | 01 | 00 | 53 | 28 | 02 | 00 | 00 | 00 | ."ZdS(|
| 00000030 | 63 | 00 | 00 | 00 | 00 | 03 | 00 | 00 | 00 | 08 | 00 | 00 | 00 | 43 | 00 | 00 | cC |
| 00000040 | 00 | 73 | 4E | 00 | 00 | 00 | 64 | 01 | 00 | 64 | 02 | 00 | 64 | 03 | 00 | 64 | .sNddd |
| 00000050 | 04 | 00 | 64 | 05 | 00 | 64 | 06 | 00 | 64 | 05 | 00 | 64 | 07 | 00 | 67 | 08 | dddg. |
| 00000060 | 00 | 7D | 00 | 00 | 64 | 08 | 00 | 7D | 01 | 00 | 78 | 1E | 00 | 7C | 00 | 00 | .}d}x |
| 00000070 | 44 | 5D | 16 | 00 | 7D | 02 | 00 | 7C | 01 | 00 | 74 | 00 | 00 | 7C | 02 | 00 | D]} t |
| 00000080 | 83 | 01 | 00 | 37 | 7D | 01 | 00 | 71 | 2B | 00 | 57 | 7C | 01 | 00 | 47 | 48 | f7}q+.W GH |
| 00000090 | 64 | 00 | 00 | 53 | 28 | 09 | 00 | 00 | 00 | 4E | 69 | 41 | 00 | 00 | 00 | 69 | dS(NiAi |
| 000000A0 | 6C | 00 | 00 | 00 | 69 | 70 | 00 | 00 | 00 | 69 | 68 | 00 | 00 | 00 | 69 | 61 | lipihia |
| 000000B0 | 00 | 00 | 00 | 69 | 4C | 00 | 00 | 00 | 69 | 62 | 00 | 00 | 00 | 74 | 00 | 00 | iLibt |
| 000000000 | 00 | 00 | 28 | 01 | 00 | 00 | 00 | 74 | 03 | 00 | 00 | 00 | 63 | 68 | 72 | 28 | (tchr(|
| 00000D0 | 03 | 00 | 00 | 00 | 74 | 03 | 00 | 00 | 00 | 73 | 74 | 72 | 74 | 04 | 00 | 00 | tstrt |
| 000000E0 | 00 | 66 | 6C | 61 | 67 | 74 | 01 | 00 | 00 | 00 | 69 | 28 | 00 | 00 | 00 | 00 | .flagti(|
| 000000F0 | 28 | 00 | 00 | 00 | 00 | 73 | 07 | 00 | 00 | 00 | 74 | 65 | 73 | 74 | 2E | 70 | (stest.p |
| 00000100 | 79 | 52 | 03 | 00 | 00 | 00 | 01 | 00 | 00 | 00 | 73 | ΟA | 00 | 00 | 00 | 00 | yRs |
| 00000110 | 01 | 1E | 01 | 06 | 01 | 0D | 01 | 14 | 01 | 4E | 28 | 01 | 00 | 00 | 00 | 52 | N(R |
| 00000120 | 03 | 00 | 00 | 00 | 28 | 00 | 00 | 00 | 00 | 28 | 00 | 00 | 00 | 00 | 28 | 00 | ((|
| 00000130 | 00 | 00 | 00 | 73 | 07 | 00 | 00 | 00 | 74 | 65 | 73 | 74 | 2E | 70 | 79 | 74 | stest.pyt |
| 00000140 | 08 | 00 | 00 | 00 | 3C | 6D | 6F | 64 | 75 | 6C | 65 | ЗE | 01 | 00 | 00 | 00 | <module></module> |
| 00000150 | 73 | 00 | 00 | 00 | 00 | | | | | | | | | | | | n s. euq <u>n_</u> 43081170 |

保存为 .pyc 格式,利用Easy Python

- 0 ×

Decompiler进行反编译,用文本工具打开得到源码,整理后运行得到flag。

```
# Embedded file name: test.py
str = [65,108, 112,104,97,76,97,98]
flag = ''
for i in str:
    flag += chr(i)
print flag
```

| C:\Users | Desktop>python | 1. py | |
|----------|----------------|-------|--|
| AlphaLab | | | |

pure_color

下载附件,用stegsolve打开,Blue plane 0得到flag(注意格式flag{xxxxx})。



Hear-with-your-Eyes

下载附件解压缩,是一个音频,用Audacity打开,选择频谱图得到flag。



我们的秘密时绿色的

下载附件解压缩,是一张jpg图片,根据题目我们的秘密是绿色,用 OurSecret 工具分离处隐藏的文件,密码是jpg中的绿色的数 字 0405111218192526



| Our Seci | Make you | r secrets invisible in just 3 easy steps ! | | | | | | |
|----------|------------------------------------|--|--|--|--|--|--|--|
| | HIDE | UNHIDE | | | | | | |
| I | Step 1: Select a carrier file | Step1: Specify a carrier file | | | | | | |
| | No carrier file selected | 我们的秘密是green.jpg Size: 260610 bytes | | | | | | |
| | Step 2: Add/remove file or message | Step 2: Enter password | | | | | | |
| | PAdd Remove | •••••• | | | | | | |
| | Type Name Size (k) | (double click to save) | | | | | | |
| Help | | Type Name Size (k) | | | | | | |
| | | File try.zip 1 | | | | | | |
| About | | | | | | | | |
| | < > | | | | | | | |
| Exit | Step 3: Password | | | | | | | |
| | Enter password again | < > | | | | | | |
| | Hide • | https://blog.csdn.net/gg | | | | | | |

打开,

分离出来一个try.zip的压缩包,双击

٥ \times 🔇 try.zip - Bandizip 6.25 文件(F) 编辑(E) 查找(I) 选项(Q) 视图(V) 帮助(H) F ł 新建 查看 代码页 解压 #HB4 测试 詥 try.zip 修改日期 循环冗余检验(CRC) 压缩方法 属性 注释 名称 压缩后大小 原始大小 类型 加密方法 readme.txt* 97 文本文档 2017/4/20 14:59:33 ba59d790 109 Store ZipCrypto A___ 😭 flag.zip* 592 ZIP 压缩文件 2017/4/20 15:24:10 cc9b3374 A___ 604 Store ZipCrypto < × 你知道coffee的生日是多少么~~~

| 🔏 ARCHPR 4.54 Profe | 🔏 ARCHPR 4.54 Professional Edition — 🗆 🗙 | | | | | | | | | | |
|--|---|------------------|--------------|--------------|---------|--|--|--|--|--|--|
| 文件(E) 恢复(R) 帮助 | (<u>H</u>) | | | | | | | | | | |
| 🗳 - 🧖 - | <i>f</i> a 🖄 | - | 2 | | - | | | | | | |
| 打开 开始! | 停止 基准测试 | 升级 | 帮助 | 关于 | 退出 | | | | | | |
| 加密的 ZIP/RAR/ACE/AR | リ文件 | 口攻击类型 | Į | | | | | | | | |
| C:\Users\J_ing\Download | ds\try.zip | 暴力 | | | \sim | | | | | | |
| 范围长度字典 | 明文 自动保存 | 选项 | 氰级 | | | | | | | | |
| 暴力泡围透顷 □所有大写拉丁文(A - □所有小写拉丁文(a - ☑所有数字(0 - 9) □所有特殊符号(1@) □空格 □所有可打印字符 | | | | | | | | | | | |
| 状态窗口 2020/3/28 16:14:08 - 文 2020/3/28 16:14:08 - 天 | 件"C:\Users\J_ing\De 动的是小口会长度。 | ownloads\tr | y.zip"已打开 | 开。 寻小长度口(| A 145.5 | | | | | | |
| 调整。 2020/3/28 16:14:08 - 错 | | 。 3. 或范围未知 | ※1日~~1 定义 | | ×1100 | | | | | | |
| 当前口令: 已用时间: 进度指示器 | | 平均速度: 剩余时间: | | | | | | | | | |
| | 0% | 6 | | | | | | | | | |
| ARCHPR version 4.54 (c) 19 | ARCHPR version 4.54 (c) 1997-2012 ElcomSoft Co. Ltd. USASSAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | | | | | | | | | | |

得到密码为 19950822,

| [|]令已成功恢复! | | × | | | | | | |
|--|------------|-------------------------|---|--|--|--|--|--|--|
| Advanced Archive Password Recovery 统计信息: | | | | | | | | | |
| | 总计口令 | 30,950,821 | | | | | | | |
| | 总计时间 | 2s 98ms | | | | | | | |
| | 平均速度(口令/秒) | 14,752,536 | | | | | | | |
| | 这个文件的口令 | 19950822 | 6 | | | | | | |
| | 十六进制口令 | 31 39 39 35 30 38 32 32 | 6 | | | | | | |
| | ₩ 保存… | ✔ 确定 | | | | | | | |

解压缩得到flag.zip和readme.txt,双击打开flag.zip,提示小伙子,拿出你的黑武器,爆破吧~,

| → ŤĦ | し い 解压 | * | し い 新建 | + 添加 | 一副除 | | 。 〕 章 | (代码页 | | | | | | 8 |
|------------|--------------|---|--------------|-----------|-----|--------------------|-------------------|------------------------|--|----------------------------|--------------------------------|-------------------------------------|--------------|----|
| 🔁 flag.zip | | | 名称 | txt* * | 压 | 缩后大小 111 136 | 原始大小 97 180 | 类型 文本文档 ZIP 压缩文件 | 修改日期 2017/4/20 14:59:33 2017/4/20 14:58:22 | 压缩方法 Deflate Deflate | 加密方法 ZipCrypto ZipCrypto | 福环冗余检验(CRC) ba59d790 fb590cf0 | 属性 A A | 注释 |
| | | < <p> × 小次子,拿出你的黑武器,爆破吧~ https://blog.osdn.nel/qc_430</p> | | | | | | | | | | | | |

进行爆破,

| 找不到口令 | | × |
|----------------|-----------------------------|---|
| Advanced Archi | ive Password Recovery 统计信息: | |
| 总计口令 | 111,000,001 | |
| 总计时间 | 4s 958ms | |
| 平均速度(口令/秒) | 22,388,059 | |
| 这个文件的口令 | 未找到 | 6 |
| 十六进制口令 | 未找到 | 6 |
| | ✔ 确定 | |

将readme.txt压缩,查看到和flag.txt的循环冗余校验(CRC)值相同,应该为明文攻击,利用ARCHPR进行明文攻击,

| X ARCHPR 4.54 Professional E | dition | _ | | | | | | | |
|-------------------------------------|------------------|-----|-------|--|--|--|--|--|--|
| 文件(F)恢复(R)帮助(H) | | | | | | | | | |
| 🕰 🧟 🙈 | (3) | (?) | | | | | | | |
| 打开开开始! 停止 基 | 准测试 升级 | 帮助 | 关于 退出 | | | | | | |
| - 加密的 ZIP/RAR/ACE/ARJ 文件 | 攻击类 | 핃 | | | | | | | |
| C:\Users\J_ing\Downloads\try\flag. | zip 明文 | | ~ | | | | | | |
| | | | | | | | | | |
| ○ 家田 家 | | | × | | | | | | |
| ☐ 1 // | ZIP 档案文件 | | | | | | | | |
| | | | ^ | | | | | | |
| | | | ~ | | | | | | |
| 当前口令: 平均速度: 已用时间: 剩余时间: 进度指示器 | | | | | | | | | |
| 0% | | | | | | | | | |
| ARCHPR version 4.54 (c) 1997-2012 E | comSoft Co. Ltd. | | | | | | | | |

得到解压密码,



解压缩又得到一个flag.zip和readme.txt,解压缩仍需要密码,

双击打开没有提示,放进winhex中,

| 00000000 | 50 | 4B | 03 | 04 | 14 | 00 | 00 | 08 | 08 | 00 | 66 | 76 | 94 | 4A | 7D | AF | PKfv"J} |
|----------|----|----|----|----|----|----|----|---------------|----|----|----|----|----|----|----|----|--------------------|
| 00000010 | 72 | 9F | 1E | 00 | 00 | 00 | 1E | 00 | 00 | 00 | 08 | 00 | 00 | 00 | 66 | 6C | rŸfl |
| 00000020 | 61 | 67 | 2E | 74 | 78 | 74 | 2B | 4C | 49 | 29 | 28 | 2C | CF | 2B | 48 | 2E | ag.txt+LI)(,Ï+H. |
| 00000030 | C8 | 49 | CD | 53 | 2D | 28 | 02 | B2 | E3 | AB | E3 | AB | AA | В4 | 52 | 1C | ÈIÍS-(.ºã«ã«ª´R. |
| 00000040 | D2 | 0B | 6B | 01 | 50 | 4B | 01 | 02 | ЗF | 00 | 14 | 00 | 01 | 09 | 08 | 00 | Ò.k.PK? |
| 00000050 | 66 | 76 | 94 | 4A | 7D | AF | 72 | 9F | 1E | 00 | 00 | 00 | 1E | 00 | 00 | 00 | fv"J}_rŸ |
| 00000060 | 80 | 00 | 24 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 20 | 00 | 00 | 00 | 00 | 00 | \$ |
| 00000070 | 00 | 00 | 66 | 6C | 61 | 67 | 2E | 74 | 78 | 74 | 0A | 00 | 20 | 00 | 00 | 00 | flag.txt |
| 08000000 | 00 | 00 | 01 | 00 | 18 | 00 | E6 | \mathbf{FC} | D6 | 7E | A2 | B9 | D2 | 01 | 2C | E6 | æüÖ~¢¹Ò.,æ |
| 00000090 | 57 | 65 | 82 | В9 | D2 | 01 | 2C | E6 | 57 | 65 | 82 | B9 | D2 | 01 | 50 | 4B | We,¹Ò.,æWe,¹Ò.PK |
| 0A000000 | 05 | 06 | 00 | 00 | 00 | 00 | 01 | 00 | 01 | 00 | 5A | 00 | 00 | 00 | 44 | 00 | D. |
| 00000B0 | 00 | 00 | 00 | 00 | | | | | | | | | | | | | dn.net/qq_43081170 |

存后解压缩,

| 🕼 flag.zip | | | | | | | | | | | | | | | | | |
|------------|----|----|----|----|----|----|----|----|----|----|------------|----|----|----|----|----|-----------------------|
| Offset(h) | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 0A | 0B | 0C | 0D | 0E | OF | |
| 00000000 | 50 | 4B | 03 | 04 | 14 | 00 | 00 | 08 | 08 | 00 | 66 | 76 | 94 | 4A | 7D | AF | PKfv"J} |
| 00000010 | 72 | 9F | 1E | 00 | 00 | 00 | 1E | 00 | 00 | 00 | 08 | 00 | 00 | 00 | 66 | 6C | rŸfl |
| 00000020 | 61 | 67 | 2E | 74 | 78 | 74 | 2B | 4C | 49 | 29 | 28 | 2C | CF | 2B | 48 | 2E | ag.txt+LI)(,Ï+H. |
| 00000030 | C8 | 49 | CD | 53 | 2D | 28 | 02 | B2 | E3 | AB | E3 | AB | AA | В4 | 52 | 1C | ÈIÍS-(.ºã«ã«ª´R. |
| 00000040 | D2 | 0B | 6B | 01 | 50 | 4B | 01 | 02 | ЗF | 00 | 14 | 00 | 00 | 09 | 08 | 00 | Ò.k.PK? |
| 00000050 | 66 | 76 | 94 | 4A | 7D | AF | 72 | 9F | 1E | 00 | 00 | 00 | 1E | 00 | 00 | 00 | fv"J}_rŸ |
| 00000060 | 08 | 00 | 24 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 20 | 00 | 00 | 00 | 00 | 00 | \$ |
| 00000070 | 00 | 00 | 66 | 6C | 61 | 67 | 2E | 74 | 78 | 74 | 0A | 00 | 20 | 00 | 00 | 00 | flag.txt |
| 00000080 | 00 | 00 | 01 | 00 | 18 | 00 | E6 | FC | D6 | 7E | A 2 | B9 | D2 | 01 | 2C | E6 | æüÖ~¢¹Ò.,æ |
| 00000090 | 57 | 65 | 82 | В9 | D2 | 01 | 2C | E6 | 57 | 65 | 82 | В9 | D2 | 01 | 50 | 4B | We,'Ò.,æWe,'Ò.PK |
| 000000A0 | 05 | 06 | 00 | 00 | 00 | 00 | 01 | 00 | 01 | 00 | 5A | 00 | 00 | 00 | 44 | 00 | ZD. |
| 000000B0 | 00 | 00 | 00 | 00 | | | | | | | | | | | | | .csdn.net/qq_43081170 |

解压得到flag.txt,

🧾 flag.txt - 记事本

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

qddpqwnpcplen%prqwn_{_zz*d@gq}

利用栅栏解密,

| 6 🤮 栅栏密 | 码 ———————————————————————————————————— | х |
|----------------|---|---|
| 5 2 栏数 | 6 加密 解密 | |
| 。 6 明文 | qw1r{ddneq_@dpnwzgpc%nzqqpp_*} | |
| 4 6 6 密文 | qddpqwnpcplen%prqwn_{_zz*d@gq} | |

再进行凯撒解密得到flag。





下载附件解压缩出来一张png图片,



放进StegSolve,



| 4 | | _ | | × | | | | | | | |
|----------|--|----------|-------|--------|--|--|--|--|--|--|--|
| 0 | Extract Preview | | | | | | | | | | |
| 7] -{ | 497343635f323031 39a4026ef5224e75 Iscc 201 9n."Nu 5fe03b1d8ed893b2 1fffff000038c3fa ;8 ad4953b41b6d8ec4 ec4ec76d8edb6db6 .IS.mN.m.m. 2713b1db6db62492 49db6d8e036db6fe 'm.\$. I.m.m. db4956d56db6db6db db6db6276272a5ba .IV.mm.m.'br. ec0753d07f2c0d77 0c1fb55723007a94 .S.□,.w .w#.z. 6e2435ac161ec9b9 313a4e2d20790956 n\$5 1:N- y.V 491e23f1f80381c0 924924924924924 \$.I\$.I\$I\$ | | | | | | | | | | |
| er- | 7237239249249249249249246db6db6db6db6db92 r/#.1\$.1 \$mm | | | - | | | | | | | |
| 4- | Bit Planes Order settings | | | | | | | | | | |
| I | Alpha 7 6 5 4 3 2 1 0 Extract By Row Co | olumn | | | | | | | | | |
| I I | Red 7 6 5 4 3 2 1 0 Bit Order MSB First |) LSB Fi | rst | | | | | | | | |
| bi | Green ☐ 7 ☐ 6 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 🗹 0 Bit Plane Order | | | | | | | | | | |
| | Blue ☐ 7 ☐ 6 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 🗹 0 | | | | | | | | | | |
| | | | | | | | | | | | |
| | Preview Settings | | | | | | | | | | |
| | Include Hex Dump In Preview 🔽 | | | | | | | | | | |
| | Draview Save Text Save Bin Cancel | | | | | | | | | | |
| L | https://b og.csdi | nuei/d | q_430 | 31170- | | | | | | | |

是flag: flag{9102_cCsI}。

Banmabanma

将lsCc_2019倒过来就



中间看着像条形码,利用在线条码扫描工具 https://online-barcode-reader.inliteresearch.com/ 扫描得到flag。

| Free Online Barcode Reader | | | | | | | | | |
|--|---|-------------|--|--|--|--|--|--|--|
| To get such results using ClearImage SDK use TBR Code 103. | | | | | | | | | |
| If your business app email your technica email your sales ind | lication needs barcode recognition capabilities, al questions to support@inliteresearch.com quiries to sales@inliteresearch.com | | | | | | | | |
| File: 斑马斑马 | png | New File | | | | | | | |
| Pages: 1 | Barco | des: 1 | | | | | | | |
| Barcode: 1 of 1 | Type: Code39 | Page 1 of 1 | | | | | | | |
| Length: 16 | Rotation: none | | | | | | | | |
| Module: 1.6pix | Rectangle: {X=71,Y=93,Width=410,Height=119} | | | | | | | | |
| FLAG IS TENSHINE | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

something_in_image

下载附件,利用flie命令分析文件为Linux EXT filesystem,直接 strings badimages |grep Flag 得到flag。

| weet The line / it we the state and | |
|-------------------------------------|-----------------------------------|
| rootmati:~/# m # strings badi | mages grep rtag |
| .Flag.txt.swpe | |
| Flag.txtt.swx | |
| .Flag.txt.swpe | |
| .Flag.txt.swx | |
| .Flag.txt.swpe | |
| Flag.txtt.swx | |
| .Flag.txt.swpe | |
| Flag.txtt.swx | |
| .Flag.txt.swne Bitla.000 | |
| Flag, tytt, swy | |
| Flag tyt swng | |
| Dog tyt cwy | |
| | |
| | |
| Flag.txtt.swx | |
| Flag.txt | |
| Flag.txtut badimages | |
| Flag.txt | |
| Flag.txt | |
| /mnt/test/Flag.txt | |
| Flag{} | |
| Flag{yc4pl0fvjs2k1t7T} | |
| /mnt/test/Flag.txt | |
| Flag{} | http://// |
| Flag{vc4pl0fvjs2k1t7T} | https://blog.csan.net/qq_43081170 |
| | |

a_good_idea

下载附件解压缩得到一张图片,利用binwalk分析文件,发现隐藏有压缩包,foremost解压缩得到一个txt文件和两个看似一样的图 片,查看txt文件,内容为 try to find the secret of pixels,尝试找到像素的秘密,两张看似一样的图片利用Beyond Compare进行对比得到一个二维码,扫码得到flag。



2017_Dating_in_Singapore

下载附件解压缩是一张pdf图片,打开是一个日历,

| January | February | March | April | | | | | |
|--|--|---|---|--|--|--|--|--|
| Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 | Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 | Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 | Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 | | | | | |
| 6:❶ 12:◯ 20:❶ 28:● | 4: ❶ 11:○ 19:❶ 26:● | 5:● 12:○ 20:● 28:● | 4:● 11:○ 19:● 26:● | | | | | |
| | | | | | | | | |
| May | June | July | August | | | | | |
| May Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 | June Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 11 12 13 14 15 16 18 19 20 21 25 26 27 28 29 | July Su Mo Tu We Th Fr Sa 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 | August Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 | | | | | |

Calendar for Year 2017 (Singapore)



题目描述中还有一串数字,数字间有-,将数字按照-分割。



- 11 261912052028211407-
- 12 04051213192625https://blog.osdn.net/qc_23081170

分割之后正好有12行对应12个月份,没两位一组,

| | 1 | 01 | 80 | 15 | 22 | 29 | 15 | 16 | 17 | 03 | 10 | 17 | 24 | 31- | |
|---|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|----|-----|--|
| | 2 | 05 | 06 | 07 | 13 | 20 | 27 | 26 | 27 | 28- | - | | | | |
| | 3 | 01 | 02 | 03 | 02 | 09 | 16 | 23 | 30- | _ | | | | | |
| | 4 | 02 | 09 | 16 | 23 | 02 | 03 | 10 | 09 | 09 | 10 | 17 | 24 | 23- | |
| | 5 | 02 | 01 | 80 | 14 | 22 | 29 | 30- | - | | | | | | |
| | 6 | 06 | 05 | 04 | 11 | 18 | 25 | 26 | 27- | - | | | | | |
| | 7 | 02 | 03 | 04 | 03 | 10 | 17 | 24 | 31- | - | | | | | |
| | 8 | 01 | 02 | 03 | 01 | 80 | 15 | 22 | 29 | 15 | 16 | 17- | - | | |
| | 9 | 04 | 05 | 06 | 04 | 11 | 18 | 25 | 18 | 19 | 20- | - | | | |
| - | 10 | 01 | 80 | 15 | 22 | 29 | 30 | 31 | 24 | 17 | 10 | 03- | - | | |
| - | 11 | 26 | 19 | 12 | 05 | 20 | 28 | 21 | 14 | 07- | - | | | | |
| - | 12 | 04 | 05 | 12 | 13 | 19 | 26 | 25 | | | | | | | |

按照顺序连线得到flag。



simple_transfer

下载附件,是一个pcap格式的文件,用binwalk分心文件,文件中隐藏有pdf文件,利用foremost进行文件分离,得到pdf文件。

| root@kali:~ | *oot@kali:~/桌面 # binwalk f9809647382a42e5bfb64d7d447b4099.pcap | | | | | | | | | | | | |
|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| DECIMAL | HEXADECIMAL | DESCRIPTION | | | | | | | | | | | |
| 0 339380 339454 340171 6380104 6385002 rootakali:~ ERROR: /roo Ple rootakali:~ Processing: | 0×0 0×52DB4 0×52DFE 0×530CB 0×615A48 0×616D6A /桌面 # foremost f t/桌面 /output is ase specify anoth /桌面 # foremost f f9809647382a42e5 | Libpcap capture file, little-endian, version 2.4, Ethernet, snaplen: 262144 PDF document, version: "1.5" Zlib compressed data, default compression Zlib compressed data, default compression Zlib compressed data, default compression Zlib compressed data, default compression f9809647382a42e5bfb64d7d447b4099.pcap not empty her directory or run with -T. f9809647382a42e5bfb64d7d447b4099.pcap 5bfb64d7d447b4099.pcap | | | | | | | | | | | |
| * root@kali:~ | /桌面# | https://blog.csdn.net/qq_43081170 | | | | | | | | | | | |

打开pdf文件得到flag。

HITB{b3d0e380e9c39352c667307d010775ca}

can_has_stdio?





利用brainfuck编码在线解码 https://tool.bugku.com/brainfuck/ 得到flag。



hit-the-core

| rootikali:~/# | 🛅 # binwalk 8del | b5f0c2cd84143807b6175f58d6f3f.core |
|---------------------------------------|---|--|
| DECIMAL | HEXADECIMAL | DESCRIPTION |
| 0 3372 3516 342804 351676 | 0×0 0×D2C 0×DBC 0×53B14 0×55DBC | ELF, 64-bit LSB core file AMD x86-64, version 1 (SYSV) Unix path: /home/oddcoder/projects/ctf/forensics/FORE1/code ELF, 64-bit LSB executable, AMD x86-64, version 1 (SYSV) ELF, 64-bit LSB shared object, AMD x86-64, version 1 (GNU/Linux) ELF, 64-bit LSB shared object, AMD x86-64, version 1 (SYSV) |

那个strings查

看,有一串很长的字符串,从第三位开始,每5位进行提取得到flag。

cvqAeqacLtqazEigwiXobxrCrtuiTzahfFreqc{bnjrKwgk83kgd43j85ePgb_e_rwqr7fvbmHjklo3tews_hmkogooyf0vbnk0ii87Drfgh_n kiwutfb0ghk9ro987k5tfb_hjiouo087ptfcv}

附上提取脚本:



信号不好先挂了

下载附件解压缩得到一张图片apple.png,



喂!喂?我信号不好,我先挂了

https://blog.csdn.net/qq_43081170

用Stegsolve打开,

StegSolve 1.3 by Caesum File Analyse Help Normal Image





| | Extract Preview | × |
|----------------|---|---|
| BEF R C | Dubbosit_Loudout decur_lalatiged_2 PR | · · · · · · · · · · · · · · · · · · · |
| | Bit Planes | Order settings |
| 11 | Alpha 7 6 5 4 3 2 1 0 Red 7 6 5 4 3 2 1 0 | Extract By Row Column Bit Order Ross MSB First LSB First |
| 喂!喂?我信号不好,我先挂了 | Green 7 6 5 4 3 2 1 1 0 | Bit Plane Order |
| | Blue 7 6 5 4 3 2 1 1 0 | RGB GRB |
| | Preview Settings Include Hex Dump In Preview 🖌 | ⊖ GBR ⊖ BGR |
| | Preview Save Text Save | Bin Cancel |
| | | |
| | | |
| | | |
| | < > | |

得到一个压缩包,解压缩,得到一个看似和apple.png的图片,



喂!喂?我信号不好,我先挂了

https://blog.csdn.net/qq_43081170

然后利用盲水印脚本得到flag。

python bwn.py decode apple.png pen.png apple_pen.png

快乐游戏题

下载附件解压缩,是一个exe的文件,运行,将猫围住即可得到flag。





glance-50

下载附件是一个动态图片,

利用在线动图分帧合并工具,得到flag。

获取图片 (二选一)

●本地上传 ○网络图片

浏览... 9266eadf...c50.gif



下载附件是一张png图片,



图片有点大怀疑有隐藏文件,用binwalk分析文件,发现一个隐藏有一个压缩包,foremost文件分离,



解压缩需要密码,

修改图片像素高度,得到解压缩密码,

| Offset(h) | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 0A | 0B | 0C | 0D | 0E | 0F | |
|-----------|----|----|----|----|----|-----|----|----|----|-----|----|------|----|----|-----|----|-----------------------------------|
| 00000000 | 89 | 50 | 4E | 47 | 0D | OA. | 1A | 0A | 00 | 00 | 00 | 0D | 49 | 48 | 44 | 52 | %PNGIHDR |
| 00000010 | 00 | 00 | 03 | 9E | 00 | 00 | 04 | 4C | 08 | 02 | 00 | 00 | 00 | 38 | 16 | 5A | žL8.Z |
| 00000020 | 34 | 00 | 00 | 00 | 09 | 70 | 48 | 59 | 3 | 00 | 00 | 0B | 13 | 00 | 00 | 0B | 4pHYs |
| 00000030 | 13 | 01 | 00 | 9A | 9C | 18 | 00 | 00 | 00 | D4 | 69 | 54 | 58 | 74 | 58 | 4D | šœÔiTXtXM |
| 00000040 | 4C | ЗA | 63 | 6F | 6D | 2E | 61 | 64 | 6F | କ୍ୱ | 65 | 2E | ഷ | 6D | 70 | 00 | L:com.adobe.xmp. |
| 00000050 | 00 | 00 | 00 | 00 | 3C | ЗF | 78 | 70 | 61 | 53 | 6B | 16 5 | 94 | 20 | 64 | 65 | xpacket be</td |
| 00000060 | 67 | 69 | 6E | ЗD | 22 | EF | BB | BF | 22 | 20 | 69 | 64 | ЗD | 22 | 57 | 35 | gin="" id="W5 |
| 00000070 | 4D | 30 | 4D | 70 | 43 | 65 | 68 | 69 | 48 | 7A | 72 | 65 | 53 | 7A | 4E | 54 | MOMpCehiHzreSzNT |
| 00000080 | 63 | 7A | 6B | 63 | 39 | 64 | 22 | ЗF | 3E | 20 | 3C | 78 | ЗA | 78 | 6D | 70 | czkc9d"?> <x:xmp< td=""></x:xmp<> |
| 00000090 | 6D | 65 | 74 | 61 | 20 | 78 | 6D | 6C | 6E | 73 | ЗA | 78 | ЗD | 22 | 61 | 64 | meta xmlns:x="ad |
| 0A00000A0 | 6F | 62 | 65 | ЗA | 6E | 73 | ЗA | 6D | 65 | 74 | 61 | 2F | 22 | 20 | 78 | ЗA | obe:ns:meta/" x: |
| 000000B0 | 78 | 6D | 70 | 74 | 6B | ЗD | 22 | 41 | 64 | 6F | 62 | 65 | 20 | 58 | 4D | 50 | xmptk="Adobe XMP |
| 000000000 | 20 | 43 | 6F | 72 | 65 | 20 | 35 | 2E | 36 | 2D | 63 | 31 | 34 | 32 | 20 | 37 | Core 5.6-c142 7 |
| 000000D0 | 39 | 2E | 31 | 36 | 30 | 39 | 32 | 34 | 2C | 20 | 32 | 30 | 31 | 37 | 2F | 30 | 9.160924, 2017/0 |
| 000000E0 | 37 | 2F | 31 | 33 | 2D | 30 | 31 | ЗA | 30 | 36 | ЗA | 33 | 39 | 20 | 20 | 20 | 7/13-01:06:39 |
| 000000F0 | 20 | 20 | 20 | 20 | 20 | 22 | ЗE | 20 | 3C | 72 | 64 | 66 | ЗA | 52 | 44 | 46 | "> <rdf:rdf< td=""></rdf:rdf<> |
| 00000100 | 20 | 78 | 6D | 6C | 6E | 73 | ЗA | 72 | 64 | 66 | ЗD | 22 | 68 | 74 | 74 | 70 | xmlns:rdf="http |
| 00000110 | ЗA | 2F | 2F | 77 | 77 | 77 | 2E | 77 | 33 | 2E | 6F | 72 | 67 | 2F | 31 | 39 | ://www.w3.org/19 |
| 00000120 | 39 | 39 | 2F | 30 | 32 | 2F | 32 | 32 | 2D | 72 | 64 | 66 | 2D | 73 | 79 | 6E | 99/02/22-rdf-syn |
| 00000130 | 74 | 61 | 78 | 2D | 6E | 73 | 23 | 22 | ЗE | 20 | 3C | 72 | 64 | 66 | ЗA | 44 | tax-ns#"> <rdf:d< td=""></rdf:d<> |
| 00000140 | 65 | 73 | 63 | 72 | 69 | 70 | 74 | 69 | 6F | 6E | 20 | 72 | 64 | 66 | ЗA | 61 | escription rdf:a |
| 00000150 | 62 | 6F | 75 | 74 | ЗD | 22 | 22 | 20 | 78 | 6D | 6C | 6E | 73 | ЗA | 78 | 6D | bout="" xmlns:xm |
| 00000160 | 70 | ЗD | 22 | 68 | 74 | 74 | 70 | ЗA | 2F | 2F | 6E | 73 | 2E | 61 | 64 | 6F | p="http://ns.ado |
| 00000170 | 62 | 65 | 2E | 63 | 6F | 6D | 2F | 78 | 61 | 70 | 2F | 31 | 2E | 30 | 2 F | 22 | be.com/xap/1.0/" |
| 00000180 | 20 | 78 | 6D | 6C | 6E | 73 | ЗA | 78 | 6D | 70 | 4D | 4D | ЗD | 22 | 68 | 74 | xmlns:xmpMM="ht |





StRe1izia

https://blog.csdn.net/qq_43081170

解压缩得到 Ditf.pcapng,用wireshark打开,将HTTP对象导出,有一个html的文件,



ZmxhZ3tPe180bmRfSGlyMF9sb3YzX0ZvcjN2ZXJ9 base64解码得到flag。

将

4-1

下载附件解压缩,是一张图片,





用binwalk分析文件,发现隐藏有zip压缩包,foremost分

离,

| rootikali:~/# | 其 🥅 # binwalk | 画风不一样的喵.png | |
|---|---|---|-----------|
| DECIMAL | HEXADECIMAL | DESCRIPTION | |
| 0 41 415520 415632 1075091 1075302 Processing: foundat=tips PK | 0×0 0×29 0×65720 0×106793 0×106866 面# foremost 面果 foremost txt♥♥ 0 | PNG image, 487 x 742, 8-bit/color RGBA, non-interlaced Zlib compressed data, default compression Zip archive data, at least v2.0 to extract, compressed size: 74, uncompressed size: 78, name: tips.txt Zip archive data, at least v1.0 to extract, compressed size: 659434, uncompressed size: 659434, name: day2's secr End of Zip archive, footer length: 22 End of Zip archive, footer length: 22 m风不一样的喵.png .png 40 \$ | et.zip |
| foundat=day2' * root@kal1:~/\$ | s secret.zipPk | K https://blog.csdn.net/qq | _43081170 |

解压缩后又得到一个压缩包和txt文件,再一次解压缩得到两张看似相同的图片, 用脚本跑盲水印得到图片flag。



PS D:\CTF\图片隐写\B1indWaterMark> python .\bwm.py decode day1.png day2.png day1_day2.png image<day1.png> + image(encoded)<day2.png> -> watermark<day1_day2.png> PS D:\CTF\图片隐写\B1indWaterMark> _



low

下载附件,解压缩得到一个bmp图片,



| import PIL.Image as Image | # <i>需安装</i> PIL <i>模块,</i> | 如果安装失败可以安装pillow模块 |
|--|-----------------------------|--------------------|
| <pre>img = Image.open('low.bmp')</pre> | | |
| <pre>img_tmp = img.copy()</pre> | | |
| <pre>pix = img_tmp.load()</pre> | | |
| width,height = img_tmp.size | | |
| for w in range(width): | | |
| <pre>for h in range(height):</pre> | | |
| if pix[w,h]&1 == 0: | | |
| pix[w,h] = 0 | | |
| else: | | |
| pix[w,h] = 255 | | |
| <pre>img_tmp.show()</pre> | | |

生成一个二维码图片,扫描二维码得到flag。



适合作为桌面

下载附件解压缩得到一张图片,





用StegSolve打开得到一张二维码,



扫描二维码得到一串十六进制字符串,放到winhex中,保存为 .pyc 格式,

| Offset(h) | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 0A | 0B | 0C | 0D | 0E | 0F | |
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------|
| 00000000 | 03 | F3 | 0D | 0A | 79 | СВ | 05 | 58 | 63 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | .óyË.Xc |
| 00000010 | 00 | 01 | 00 | 00 | 00 | 40 | 00 | 00 | 00 | 73 | 0D | 00 | 00 | 00 | 64 | 00 | @sd. |
| 00000020 | 00 | 84 | 00 | 00 | 5A | 00 | 00 | 64 | 01 | 00 | 53 | 28 | 02 | 00 | 00 | 00 | ."ZdS(|
| 00000030 | 63 | 00 | 00 | 00 | 00 | 03 | 00 | 00 | 00 | 16 | 00 | 00 | 00 | 43 | 00 | 00 | cC |
| 00000040 | 00 | 73 | 78 | 00 | 00 | 00 | 64 | 01 | 00 | 64 | 02 | 00 | 64 | 03 | 00 | 64 | .sxddd. |
| 00000050 | 04 | 00 | 64 | 05 | 00 | 64 | 06 | 00 | 64 | 07 | 00 | 64 | 03 | 00 | 64 | 08 | ddddd. |
| 00000060 | 00 | 64 | 09 | 00 | 64 | A0 | 00 | 64 | 06 | 00 | 64 | 0B | 00 | 64 | ΔO | 00 | .dddd |
| 00000070 | 64 | 07 | 00 | 64 | 08 | 00 | 64 | 0C | 00 | 64 | 0C | 00 | 64 | 0D | 00 | 64 | ddddd |
| 0800000 | 0E | 00 | 64 | 09 | 00 | 64 | 0F | 00 | 67 | 16 | 00 | 7D | 00 | 00 | 64 | 10 | ddg}d. |
| 00000090 | 00 | 7D | 01 | 00 | 78 | 1E | 00 | 7C | 00 | 00 | 44 | 5D | 16 | 00 | 7D | 02 | .}x D]}. |
| 000000A0 | 00 | 7C | 01 | 00 | 74 | 00 | 00 | 7C | 02 | 00 | 83 | 01 | 00 | 37 | 7D | 01 | . t f7}. |
| 00000B0 | 00 | 71 | 55 | 00 | 57 | 7C | 01 | 00 | 47 | 48 | 64 | 00 | 00 | 53 | 28 | 11 | .qU.W GHdS(. |
| 00000000 | 00 | 00 | 00 | 4E | 69 | 66 | 00 | 00 | 00 | 69 | 6C | 00 | 00 | 00 | 69 | 61 | Nifilia |
| 00000D0 | 00 | 00 | 00 | 69 | 67 | 00 | 00 | 00 | 69 | 7B | 00 | 00 | 00 | 69 | 33 | 00 | igi{i3. |
| 000000E0 | 00 | 00 | 69 | 38 | 00 | 00 | 00 | 69 | 35 | 00 | 00 | 00 | 69 | 37 | 00 | 00 | i8i5i7 |
| 000000F0 | 00 | 69 | 30 | 00 | 00 | 00 | 69 | 32 | 00 | 00 | 00 | 69 | 34 | 00 | 00 | 00 | .i0i2i4 |
| 00000100 | 69 | 31 | 00 | 00 | 00 | 69 | 65 | 00 | 00 | 00 | 69 | 7D | 00 | 00 | 00 | 74 | iliei}t |
| 00000110 | 00 | 00 | 00 | 00 | 28 | 01 | 00 | 00 | 00 | 74 | 03 | 00 | 00 | 00 | 63 | 68 | (tch |
| 00000120 | 72 | 28 | 03 | 00 | 00 | 00 | 74 | 03 | 00 | 00 | 00 | 73 | 74 | 72 | 74 | 04 | r(tstrt. |
| 00000130 | 00 | 00 | 00 | 66 | 6C | 61 | 67 | 74 | 01 | 00 | 00 | 00 | 69 | 28 | 00 | 00 | flagti(|
| 00000140 | 00 | 00 | 28 | 00 | 00 | 00 | 00 | 73 | 04 | 00 | 00 | 00 | 31 | 2E | 70 | 79 | (sl.py |
| 00000150 | 52 | 03 | 00 | 00 | 00 | 01 | 00 | 00 | 00 | 73 | 0A | 00 | 00 | 00 | 00 | 01 | Rs |
| 00000160 | 48 | 01 | 06 | 01 | 0D | 01 | 14 | 01 | 4E | 28 | 01 | 00 | 00 | 00 | 52 | 03 | HN(R. |
| 00000170 | 00 | 00 | 00 | 28 | 00 | 00 | 00 | 00 | 28 | 00 | 00 | 00 | 00 | 28 | 00 | 00 | (((|

| 00000180 | 00 | 00 | 73 | 04 | 00 | 00 | 00 | 31 | 2E | 70 | 79 | 74 | 08 | 00 | 00 | 00 | sl.pyt |
|----------------------|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------------|
| 00000190 000001A0 | 3C 00 | 6D | 6F | 64 | 75 | 6C | 65 | 3E | 01 | 00 | 00 | 00 | 73 | 00 | 00 | 00 | <module>s</module> |
| | | | | | | | | | | | | | | | | | |

用

EasyPythonDecompiler转化为py格式文件。整理运行得到flag。

```
# Embedded file name: 1.py
str = [102,108,97,103,123,51,56,97,53,55,48,51,50,48,56,53,52,52,49,101,55,125]
flag = ''
for i in str:
    flag += chr(i)
print flag
```

easycap

下载附件用wireshark打开,全部为TCP协议的数据包,追踪TCP流,得到flag。

| | Sou | irce | Destination | Protocol | Lengtl Info | | | | | | | |
|-------|------|------------------|-------------------------------|------------------|-----------------------|-------|-------------|------------|---------|--------|----------|---------|
| 000 | 172 | 2.31.98.199 | 192.155.81.86 | TCP | 74 46046 → 7890 | [SYN] | Seq=0 Win=2 | 9200 Len=0 | MSS=14 | 160 SA | CK_PER | 1=1 TS\ |
| 197 | 192 | 2.155.81.86 | 172.31.98.199 | TCP | 74 7890 → 46046 | [SYN, | ACK] Seq=0 | Ack=1 Win= | 28960 L | .en=0 | MSS=14 | 50 SACK |
| 275 | 17 | 2.31.98.199 | 192.155.81.86 | TCP | 66 46046 → 7890 | [ACK] | Seq=1 Ack=1 | Win=29312 | Len=0 | TSval | =664202 | 272 TSe |
| 2541 | 1 | 🚄 Wireshark · 追踪 | ह TCP 流 (tcp.stream eq 0) · d | 5ba8f87969145059 | 9170a222f01e7883.pcap | | | | _ | | \times | 642594 |
| 9416 | 1 | | | | | | | | | | | 474 TS |
| 3048 | 1 | FLAG:385b87af | c8671dee07550290d16a8 | 071 | | | | | | | | 642619 |
| 3912 | 19 | | | | | | | | | | | 775 TS |
| bvtes | on w | | | | | | | | | | | |