

送分题

拿到题目文件使用strings和binwalk都没有找到可疑信息

使用stegsolve file format打开没有发现可用信息

使用zsteg找到一个png文件,文件头不知道是什么文件,看到r! 可能是rar文件头

```
# zsteg timg.png
imagedata .. text: "+,-888>?=***"
b1,bgr,lsb,xy .. text: "1566221455.png"
b2,r,lsb,xy .. file: 5View capture file
b2,r,msb,xy .. file: VISX image file
b2,g,lsb,xy .. file: 5View capture file
b2,g,msb,xy .. file: VISX image file
b2,b,lsb,xy .. file: 5View capture file
b2,b,msb,xy .. file: VISX image file
b2,rgb,lsb,xy .. file: 5View capture file
b2,rgb,msb,xy .. file: VISX image file
b2,bgr,lsb,xy .. file: 5View capture file
b2,bgr,msb,xy .. file: VISX image file
b4,r,msb,xy .. text: ["w" repeated 8 times]
b4,g,msb,xy .. text: ["w" repeated 8 times]
b4,b,msb,xy .. text: ["w" repeated 9 times]
b4,rgb,msb,xy .. text: ["w" repeated 25 times]
b4,bgr,msb,xy .. text: ["w" repeated 26 times]
```

(root@DESKTOP-F82I2BJ) - [~/mnt/c/Users/mzq/Downloads/timg]

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使用winhex把前面的空值进行删除,然后补齐rar文件头

地址	timg.png	mag.rar
0000h:	52 61 72 21 1A 07 00 CF 90 73 00 00 0D 00 00 00	Rar!...I.s.....
0010h:	00 00 00 00 97 CD 74 20 90 33 00 84 0C 00 00 4C	...-It .3....L
0020h:	10 00 00 02 E5 EE 99 4B DD AB 13 4F 1D 33 0E 00	...âi™KY«.0.3..
0030h:	20 00 00 00 31 35 36 36 32 32 31 34 35 35 2E 70	...1566221455.p
0040h:	6E 67 00 B0 19 11 6A 11 DD 55 54 C8 91 57 C5 41	ng.°.j.YUTÈ'WAA
0050h:	DF 60 42 5C 05 82 0C 14 46 0A 20 8C 01 E1 60 21	ß`B\,...F. æ.á`!
0060h:	09 01 12 09 E2 8C 09 21 E2 F3 BC B1 F1 01 05 08	...âæ. !âó%±ñ...
0070h:	32 40 10 4F 16 01 0F 34 4B 41 E3 1B 08 48 17 01	2@.O...4KAã..H..
0080h:	42 01 7C 6E EC 51 22 58 09 E3 68 89 63 10 49 11	B. niQ"X.ãh#c.I.
0090h:	12 30 25 88 0D C1 4F 04 05 08 22 DF 69 B7 B5 DE	.0%".ÁO... "Bi·µP
00A0h:	F7 96 A6 C3 9E 55 CF C7 95 CF 1A AB FC F7 55 BA	÷-!ÂžUİÇ·İ.«ü÷Uº
00B0h:	CE F5 AC EB 1B CE BE EF 59 C5 6F F9 8C EB 35 9C	Îô-é.Î¼YÁoüœé5œ
00C0h:	E3 38 D6 75 8D 67 35 F3 ED 56 3F 84 C7 E9 34 F2	ã8ôu.g5óiv?„çé4ò
00D0h:	49 D4 3A AE C5 54 0F FD 03 8F DE B9 BD FF F4 A0	IÔ:@ÁT.y..p'½yð
00E0h:	06 9F 41 82 FB AE 0F 22 A3 8D F9 15 C4 0F 73 70	.ÿA,û@."£.ù.Á.sp
00F0h:	DF 46 D0 E3 F4 1C 3F FC 71 E1 94 A4 3F 17 7B A2	ßFDâô.9úqá"æ?.{ç
0100h:	9E CB DE F7 7E 2C FE F7 18 7A C1 47 05 1A 4F 07	žËp÷~,p÷.zÁG..O.
0110h:	97 D1 A1 92 4F 92 A3 F4 6B 24 E9 F1 87 38 3D E7	-Ñj'0'£ðk\$éñ‡8=ç
0120h:	53 35 12 DA 70 C7 C0 AC 46 FD 19 02 18 39 2F DB	S5.ÚpÇÀ-Fý...9/Ú
0130h:	FF 18 4C 2F 98 5E BF FD F7 93 95 39 21 29 4B 26	ÿ.L/~^¿ý÷"·9!)K&
0140h:	F9 3B 40 2D CD 54 61 13 C9 1E 61 00 16 06 C7 48	ù;@-ÍTa.É.a...ÇH
0150h:	93 01 77 6A 54 6A 1B BC AF 0C C6 A7 65 D8 1F C2	".wjTj.¼.Æšeø.Á
0160h:	38 43 A5 7F BD 86 E5 A9 98 4C 6A E1 CB 7E 2C CE	8C¥.½†â@~Ljáj~,Î
0170h:	F4 72 22 B5 C4 64 B2 B5 43 A7 20 5F 2D 4C F6 BA	òr"µÄd²µçš -Lø°
0180h:	B0 82 96 06 60 FE BF D1 B0 AE 5D FD 03 F2 27 EF	°,.-.p¿N°@]ý.ò'ï
0190h:	0A DE 39 F9 FE C7 A4 3F A9 AD 89 7F C5 04 1B E8	.p9ùpçª?@-%.Á..è
01A0h:	78 E4 59 74 0B 19 15 CC BA E6 9B E1 DA 38 2C 7D	xäYt...iªæ;áÚ8,}
01B0h:	E2 9C 9E 64 39 FE AA 68 A3 82 DE 8B 96 45 9A AA	âæžd9pªhf,p<-Ešª
01C0h:	AD CC 0C 35 6E 53 18 CF 89 9A 99 1D 2C D6 14 4F	-Ï.5nS.İšš™.Ö.O
01D0h:	48 F7 EC 87 79 73 AD B8 57 DF 1D C3 91 63 48 28	H÷i‡ys-.wß.Á'çH(
01E0h:	8A C9 D1 2D 5D 89 49 55 FB 52 33 14 7A 0C 19 CE	ŠÉÑ-]‰IÚúR3.z..Î
01F0h:	E9 86 13 E8 E7 F8 AA 13 6B 97 16 56 0B 34 04 EF	ét.èçøª.k-.V.4.ï
0200h:	B0 FD 8F CE DD 71 E2 2D BC 9B C2 3F 5A 5A 3E 5C	°ý.ÎYqâ-¼.Á?ZZ>\
0210h:	39 95 EA 81 D7 1E B7 BF 83 06 D8 87 0D 85 8F 53	9·é.x.¿.f.ø‡.....S
0220h:	F8 9D 25 8E 6A DC 3F B5 37 BA B0 B0 ED F4 D8 18	ø.%žjÛ?µ7°°°iðø.
0230h:	88 D4 B6 1E 1C 79 BF 3D 4D 76 EA AE 96 73 9C 89	^Ô¶..y¿=Mvê@-sœ%
0240h:	CF B8 ED 29 79 D0 37 03 8D 03 A1 2A FD 95 E7 DD	Ï.ï)yð7...i*ý·çÝ

```
0250h: 3B E3 06 1E 47 B3 FA 17 06 75 38 6B E5 1B 3D F1 ;ă..G³ú..u8kă.=ñ
0260h: ED 92 38 A6 1C E9 F7 1F EA 0B 43 98 96 14 27 F9 í'8!..é÷.ê.C~-.'ù
0270h: 89 9A 71 58 05 F8 7F A7 93 DD 6D 29 2E 3F 90 CF %šqX.ø.š"Ým).?.İ
0280h: 9E CA 01 66 48 58 EA 91 C2 99 5E 2F 62 89 F3 44 žĚ.fHXê'Â™^/b%óD
0290h: 72 E7 D0 7C 87 2B 77 4F A8 75 0D 03 20 4A E1 65 rçĐ|‡+wO`u.. Jáe
02A0h: C1 11 9F BD 6B 93 8D F0 FC B5 93 57 26 5A B8 5A Á.Ý½k". ðüµ"W&Z_Z
02B0h: 67 FF 8A D3 7B FE 5E 5B 8B B2 2B E4 93 A3 F9 5D gýŠÓ{p^[ç²+ä"èù]
02C0h: 34 A0 41 D4 6E 77 F3 E7 7E 13 D8 3F 01 B2 B8 47 4 AÔnwóc~.ø?.² G
02D0h: 42 D9 AB 45 5C C3 02 8D FA 9E 14 9F FE 2A EC 41 BÛ«E\Ă..úž.Ýb*îA
02E0h: BF 0B 8B F8 29 D4 2A 94 92 65 89 F8 6F 63 E5 42 ç.çø)Ô*" 'e%øocâB
02F0h: 05 F4 99 64 F1 F4 80 C1 F4 13 03 CD BB FB E8 85 ,ô™dáoξÁô..Ĵ»èè...
```

CSDN @~VAS~

给文件名进行改一下扩展名,进行解压,发现一张二维码,qr扫码得到flag



CSDN @~VAS~

Find1

直接binwalk出flag.png

Find2

解压压缩包得flag

Find3

```
(root@DESKTOP-1021205) [~/mfc/C/users/mzq/downloads]
# zsteg find3.png
[?] 7454 bytes of extra data after image end (IEND), offset = 0xd162
extradata:0 ..
00000000: 38 39 35 30 34 45 34 37 30 44 30 41 31 41 30 41 | 89504E470D0A1A0A |
00000010: 30 30 30 30 30 30 30 44 34 39 34 38 34 34 35 32 | 0000000D49484452 |
00000020: 30 30 30 30 30 31 46 35 30 30 30 30 30 30 33 32 | 000001F500000032 |
00000030: 30 38 30 36 30 30 30 30 30 30 34 35 44 32 34 32 | 080600000045D242 |
00000040: 41 39 30 30 30 30 30 45 34 36 34 39 34 34 34 31 | A900000E46494441 |
00000050: 35 34 37 38 39 43 45 44 39 44 30 44 39 36 41 42 | 54789CED9D0D96AB |
00000060: 32 43 31 32 38 36 45 39 33 39 42 33 31 41 45 39 | 2C1286E939B31AE9 |
00000070: 45 35 42 34 45 39 45 35 34 34 39 37 37 33 33 35 | E5B4E9E544977335 |
00000080: 43 42 44 31 36 43 32 37 30 33 32 38 38 41 43 41 | CBD16C2703288ACA |
00000090: 35 46 30 31 32 36 45 39 43 43 46 42 39 43 43 39 | 5F0126E9CCFB9CC9 |
000000a0: 39 43 45 46 44 45 32 42 35 30 34 35 30 31 30 35 | 9CEFDE2B50450105 |
000000b0: 30 38 45 35 44 37 34 33 43 30 30 30 30 30 30 30 | 08E5D743C0000000 |
000000c0: 30 30 46 30 45 37 46 39 43 46 41 42 30 35 30 30 | 00F0E7F9CFAB0500 |
000000d0: 30 30 30 30 30 30 34 30 31 39 45 30 44 34 30 31 | 0000004019E0D401 |
000000e0: 30 30 30 30 38 30 30 46 30 31 34 45 31 44 30 30 | 0000800F014E1D00 |
```

CSDN @~VAS~

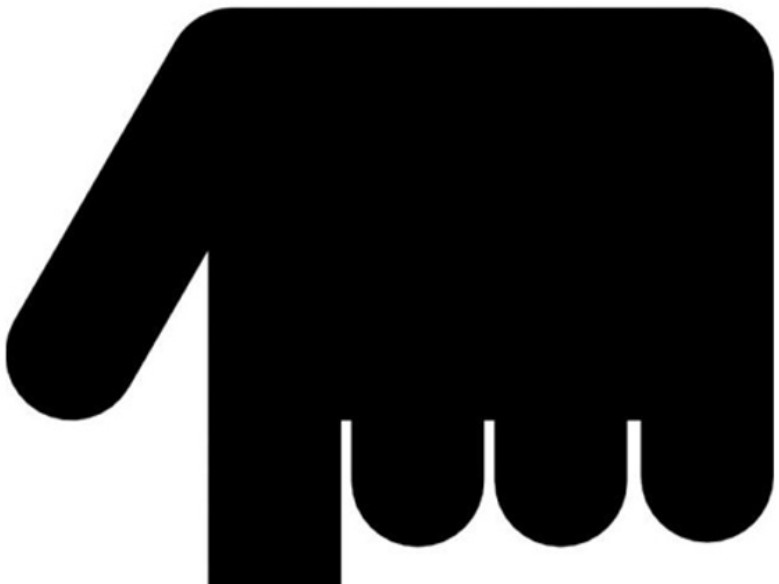
明显是png数据提取成png

flag{1bb16f6763a5721942a54d77ef055adc1}

CSDN @~VAS~

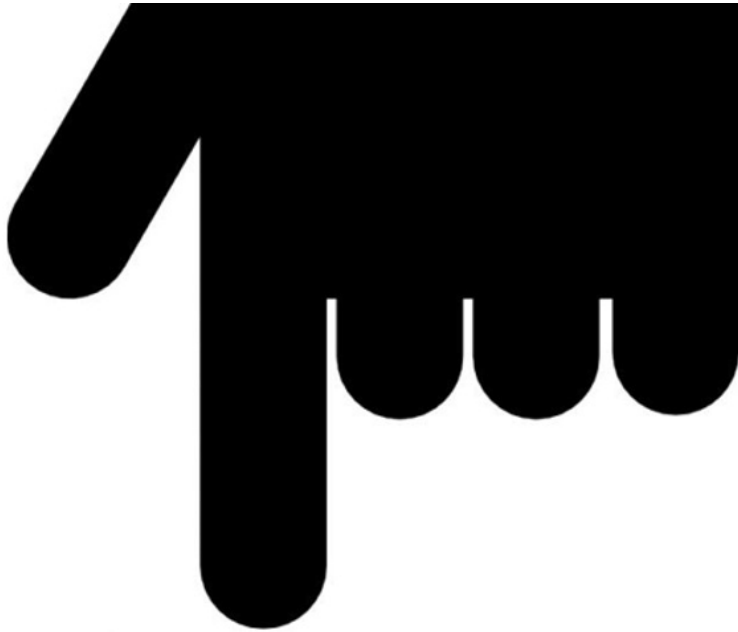
What is that

一看图片就知道大概是修改图片高度





CSDN @~VAS~



Flag={_Welcome_To_ISCC_2018_}

CSDN @~VAS~

lsb1

用stegsolve查看低位通道发现zip压缩包

The screenshot shows the StegSolve application window. At the top right, there are window control buttons (minimize, maximize, close). Below them is a table titled "Extract Preview" with three columns: Hexadecimal data, Hexadecimal data, and File names. The file names include "PK...C.P..", "Vx(...&...fl", "ag.txtK. IL.60.41", "520LJ4M6 M4HN5K.4", "M55001N. HNN...PK", "PK...C.P..", "Vx(...&...\$.", "....flag", ".txt..", and ".n.q*.. %ib.q*..". Below the table are two control panels. The "Bit Planes" panel has checkboxes for Alpha, 7, 6, 5, 4, 3, 2, 1, and 0. The "Order settings" panel has "Extract By" options: "Row" (selected) and "Column".

Extract Preview		
504b030414000000	0800e363af501fd2	PK..... .C.P..
5678280000002600	000008000000666c	Vx(...&...fl
61672e7478744bcb	494caf3630b63431	ag.txtK. IL.60.41
3532304c4a344d36	4d34484e354bb434	520LJ4M6 M4HN5K.4
4d3535304f314eb5	484e4eac0500504b	M55001N. HNN...PK
01021f0014000000	0800e363af501fd2C.P..
5678280000002600	0000080024000000	Vx(...&...\$.
0000000020000000	00000000666c6167flag
2e7478740a002000	000000001001800	.txt..
cb0f6ea6712ad601	2569629f712ad601	.n.q*.. %ib.q*..

提取后发现flag

The screenshot shows a Windows File Explorer window. The address bar displays "1.zip (评估版平)". The main pane shows a single file named "flag.txt - 记事本". The file's content is displayed as "flag{03945201ba5c5a0ce6a95e507d3e8cca}". The left sidebar shows the file tree with "1.zip" expanded to show "flag.txt".

CSDN @~VAS~