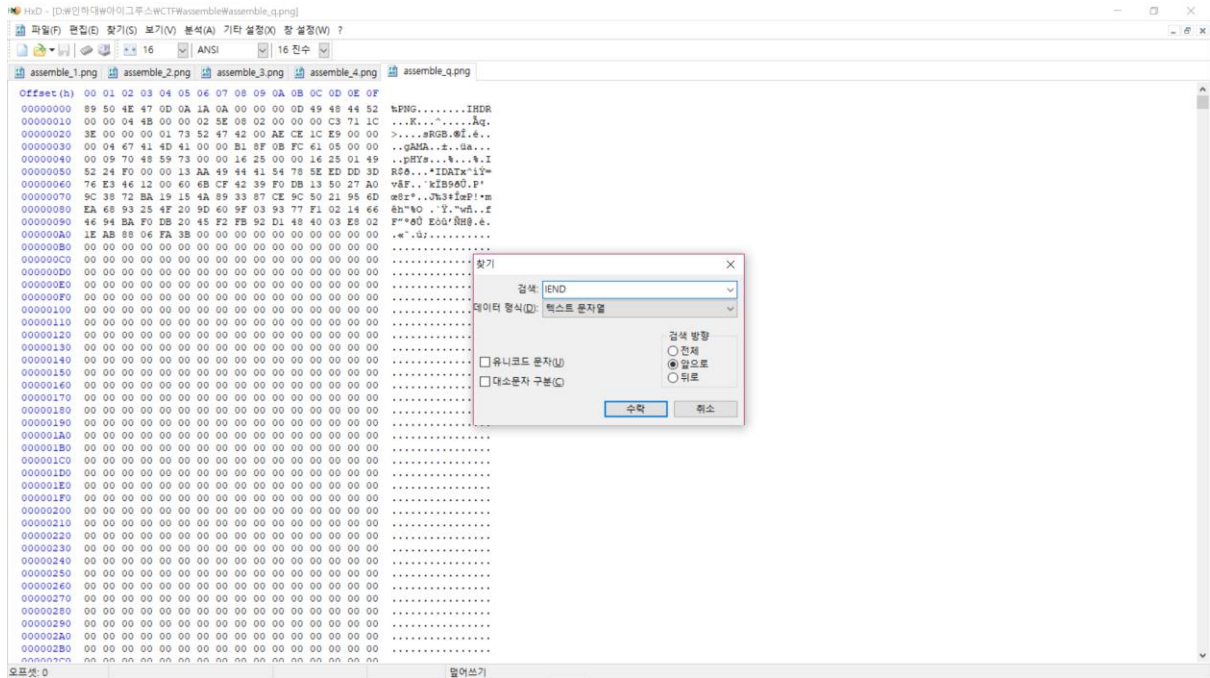
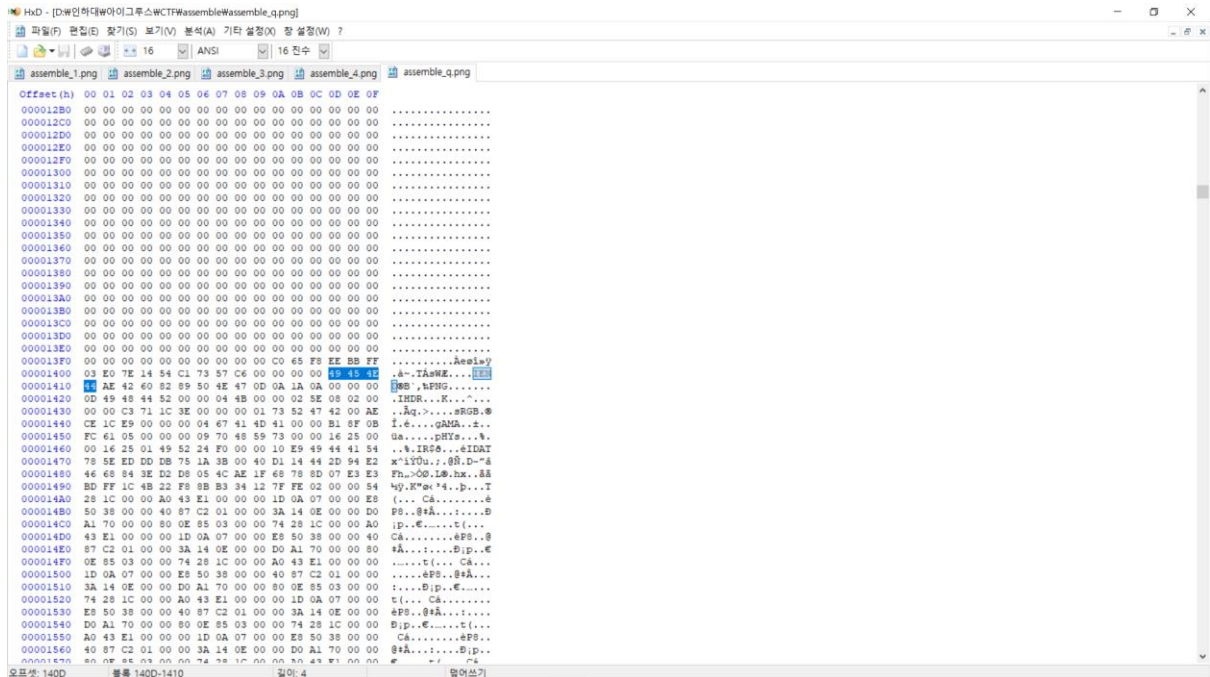


Assemble Write-up

윤준혁



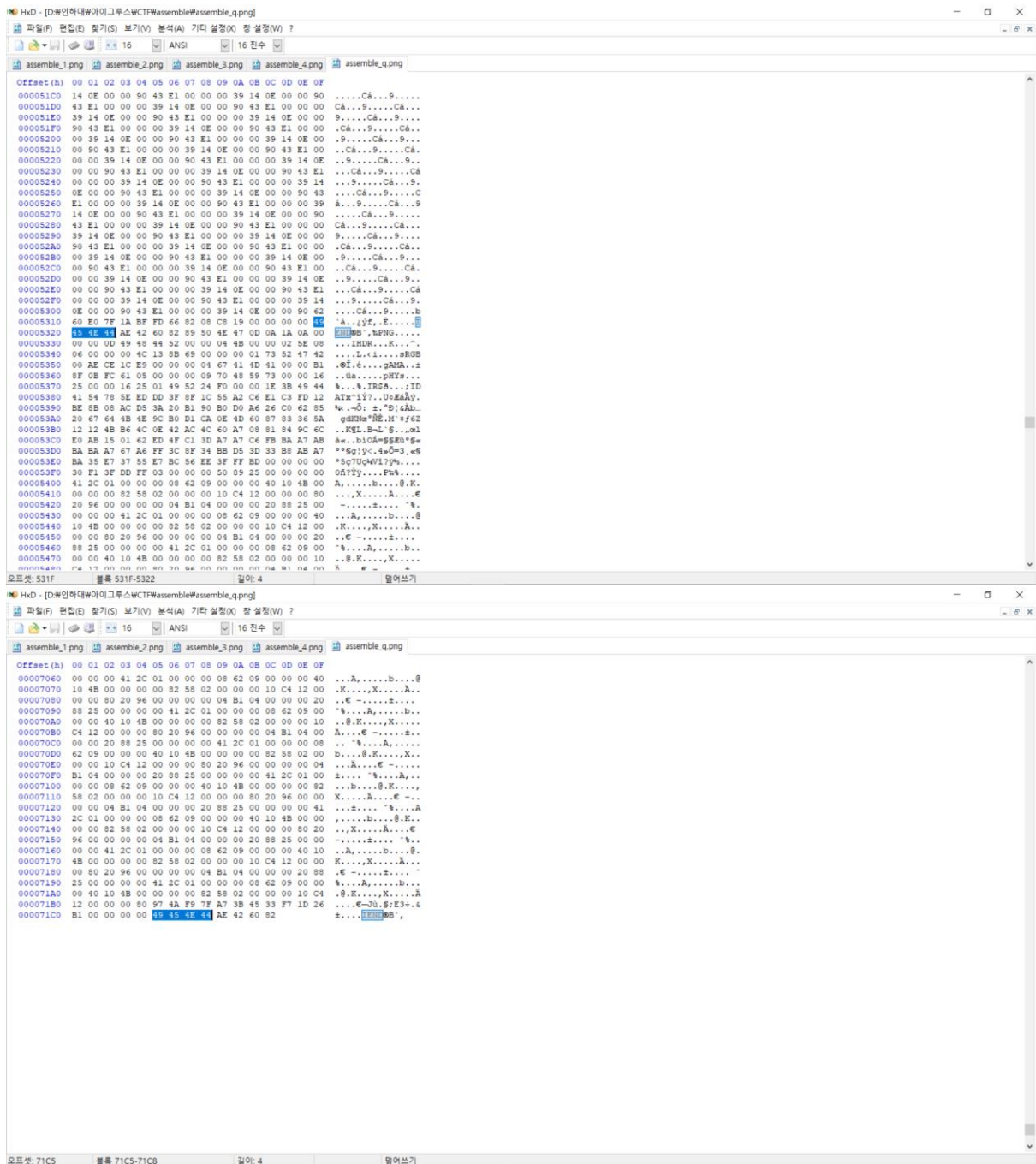
먼저 HXD로 문제의 PNG파일을 열어서 IEND가 파일의 끝에 있는지 아니면 중간에도 있는지 확인하기 위해 찾아보았다.



역시나 중간에 있었다. 혹시나 싶어서 계속 넘겨보았더니

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HxD - [D:\인원\학대\유아그루스\WCTFWasemble\Wasemble_q.png]
파일(F) 편집(E) 찾기(S) 보기(V) 분석(A) 기타 설정(O) 장 설정(W) ?
16 ANSI 16 진수
assemble_1.png assemble_2.png assemble_3.png assemble_4.png assemble_q.png
Offset(h) 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F
00002400 00 00 40 87 C2 01 00 00 3A 14 0E 00 00 D0 A1 70 ..@+A.....Bip
00002410 00 00 80 0E 85 03 00 00 74 28 1C 00 00 A0 43 E1 ..E.....t(... CA
00002420 00 00 00 1D 0A 07 00 00 E8 50 38 00 00 40 87 C2 .....eP8..@+A
00002430 01 00 00 3A 14 0E 00 00 D0 A1 70 00 00 80 0E 85 .....t(...Bip..E...
00002440 03 00 00 74 28 1C 00 00 A0 43 E1 00 00 00 1D 0A ...t(... CA.....
00002450 07 00 00 E8 50 38 00 00 40 87 C2 01 00 00 3A 14 .....eP8..@+A...t(
00002460 0E 00 00 D0 A1 70 00 00 80 0E 85 03 00 00 74 28 ...Bip..E.....t(
00002470 1C 00 00 A0 43 E1 00 00 00 1D 0A 07 00 00 E8 50 ... CA.....eP
00002480 38 00 00 40 87 C2 01 00 00 3A 14 0E 00 00 D0 A1 8..@+A.....t(...B
00002490 70 00 00 80 0E 85 03 00 00 74 28 1C 00 00 A0 43 p..E.....t(... C
000024A0 E1 00 00 00 1D 0A 07 00 00 E8 50 38 00 00 40 87 A.....eP8..@+
000024B0 C2 01 00 00 3A 14 0E 00 00 D0 A1 70 00 00 80 0E A.....t(...Bip..E..
000024C0 85 03 00 00 74 28 1C 00 00 A0 43 E1 00 00 00 1D ....t(... CA.....
000024D0 0A 07 00 00 E8 50 38 00 00 40 87 C2 01 00 00 3A ...eP8..@+A...t(
000024E0 14 0E 00 00 D0 A1 70 00 00 80 0E 85 03 00 00 74 ...Bip..E.....t
000024F0 28 1C 00 00 A0 43 E1 00 00 00 1D 0A 07 00 00 E8 (... CA.....e
00002500 50 38 00 00 40 87 C2 01 00 00 3A 14 0E 00 00 D0 P8..@+A.....t(...B
00002510 A1 70 00 00 80 0E 85 03 00 00 74 28 1C 00 00 A0 :p..E.....t(...
00002520 43 E1 00 00 00 1D 0A 07 00 00 E8 50 38 00 00 40 CA.....eP8..@
00002530 87 C2 01 00 00 3A 14 0E 00 00 D0 A1 70 00 00 80 A.....t(...Bip..E..
00002540 0E 85 03 00 00 74 28 1C 00 00 A0 43 E1 00 00 00 ....t(... CA...
00002550 15 7F FF FF 07 87 C5 09 66 70 98 E7 42 00 00 00 ..yp..A..f'qB...
00002560 00 15 7F FF FF 07 87 C5 09 66 70 98 E7 42 00 00 00 ..yp..A..f'qB...
00002570 0A 00 00 00 0D 49 48 44 52 00 00 04 4B 00 00 02 .....IMDR...K...
00002580 5E 08 06 00 00 00 4C 13 8B 69 00 00 00 01 73 52 ^....L..t...rR
00002590 47 42 00 AE CE 1C E9 00 00 00 04 67 41 4D 41 00 GB..@I..e....gAMA..
000025A0 00 B1 8F 0B FC 61 05 00 00 09 70 48 59 73 00 ..z..da....pHYa..
000025B0 00 16 25 00 00 16 25 01 49 52 24 F0 00 00 18 1D ^...^...iRDA..
000025C0 49 44 41 54 78 SE ED D0 B1 6F 54 57 DE C7 E1 9F IDATx'iYaoTW@qAY
000025D0 B1 71 2C 10 FC 05 44 79 08 7B 8B 68 5D 23 20 D2 sq..G.Dy..(h)# 0
000025E0 36 DB 40 9A 45 91 A2 14 91 B6 08 82 12 53 44 4A x0B8E'6..',SDJ
000025F0 51 22 45 0A 24 2D 30 65 D0 FB 16 2B 51 A0 48 5B '*E..-q@B..4Q 8'
00002600 6D 82 9B 34 2B 05 10 35 51 8A E0 62 57 F1 5F 40 m..y4+...SQ$abW@..@
00002610 44 64 1C 3B 7E C7 E4 26 F9 62 7C 67 1B DB 5C Dd..j-@asub|c.c.0\
00002620 CF F3 48 A3 9C 19 42 AE E7 C8 DB FD E4 9E 73 46 f0H@e..B@qEiy@z@f
00002630 56 1F 1E 5F 2D 00 00 00 00 9E 3B D4 FC 13 00 00 V.....t...@D...
00002640 00 1E B1 04 00 00 20 82 25 00 00 00 00 41 ..E.....^...A
00002650 2C 01 00 00 00 08 62 09 00 00 00 00 40 10 4B 00 ....t...b...@.K...
00002660 00 00 82 58 02 00 00 00 10 C4 12 00 00 00 80 20 ...X.....A.....E
00002670 96 00 00 00 00 04 B1 04 00 00 00 20 88 25 00 00 .....t...^...
00002680 00 00 41 2C 01 00 00 00 08 62 09 00 00 40 10 ..A.....b...@..
00002690 4B 00 00 00 00 82 58 02 00 00 10 C4 12 00 00 K.....X.....A...
000026A0 00 80 20 96 00 00 00 04 B1 04 00 00 00 20 88 ..E.....t...^...
000026B0 25 00 00 00 00 41 2C 01 00 00 00 08 62 09 00 00 ^.....A.....b...
000026C0 00 4B 1C 48 00 00 00 00 87 68 07 00 00 00 10 C4 8 8 v.....
오류셋: 2561 블록: 2561-2564 페이지: 4 읽어쓰기
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HxD - [D:\인원\학대\유아그루스\WCTFWasemble\Wasemble_q.png]
파일(F) 편집(E) 찾기(S) 보기(V) 분석(A) 기타 설정(O) 장 설정(W) ?
16 ANSI 16 진수
assemble_1.png assemble_2.png assemble_3.png assemble_4.png assemble_q.png
Offset(h) 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F
00003C80 41 2C 01 00 00 00 08 62 09 00 00 00 40 10 4B 00 A.....b...@.K...
00003C90 00 00 82 58 02 00 00 00 10 C4 12 00 00 00 80 20 ...X.....A.....E
00003CA0 20 96 00 00 00 00 04 B1 04 00 00 00 20 88 25 00 .....t...^...
00003CB0 00 00 00 41 2C 01 00 00 00 08 62 09 00 00 00 40 ..A.....b...@..
00003CC0 10 4B 00 00 00 00 82 58 02 00 00 00 10 C4 12 00 ..K.....X.....A...
00003CD0 00 80 20 96 00 00 00 00 04 B1 04 00 00 00 20 .....E.....t...^...
00003CE0 88 25 00 00 00 41 2C 01 00 00 00 08 62 09 00 00 ^.....A.....b...
00003CF0 00 40 10 4B 00 00 00 00 82 58 02 00 00 00 10 ..@.K.....X.....
00003D00 C4 12 00 00 00 80 20 96 00 00 00 00 04 B1 04 00 A.....E.....t...^...
00003D10 00 00 20 88 25 00 00 00 00 41 2C 01 00 00 00 08 ...^.....A.....
00003D20 62 09 00 00 00 40 10 4B 00 00 00 00 82 58 02 00 b...@.K.....X...
00003D30 00 00 10 C4 12 00 00 00 80 20 96 00 00 00 00 04 ..A.....E.....
00003D40 B1 04 00 00 00 20 88 25 00 00 00 00 41 2C 01 00 ..z...^.....A...
00003D50 00 00 82 09 00 00 00 40 10 4B 00 00 00 00 82 ...b...@..@.K....
00003D60 58 02 00 00 00 10 C4 12 00 00 00 80 20 96 00 00 X.....A.....E...
00003D70 00 00 04 B1 04 00 00 00 20 88 25 00 00 00 00 41 .....t...^...A
00003D80 2C 01 00 00 00 08 62 09 00 00 00 40 10 4B 00 ....t...b...@.K...
00003D90 00 00 82 58 02 00 00 00 10 C4 12 00 00 00 80 20 ...X.....A.....E
00003DA0 96 00 00 00 00 04 B1 04 00 00 00 20 88 25 00 00 .....t...^...
00003DB0 00 00 41 2C 01 00 00 00 08 62 09 00 00 40 10 ..A.....b...@..
00003DC0 4B 00 00 00 00 82 58 02 00 00 00 10 C4 12 00 00 K.....X.....A...
00003DD0 00 80 20 96 00 00 00 00 FC AE EA FF 01 1A 89 01 ..E.....@B@y..h..
00003DE0 00 DA 39 2D 80 00 00 00 00 15 45 4E 4A AE 42 60 .09-E.....IND@B
00003DF0 82 89 50 4E 47 0D 0A 1A 0A 00 00 00 0D 49 48 44 ..hPH@..
00003E00 52 00 00 04 4B 00 00 02 5E 08 02 00 00 00 C3 71 R...K...^.....Aq
00003E10 1C 3E 00 00 00 01 73 52 47 42 00 AE CE 1C E9 00 ...r...sRGB..@I..e..
00003E20 00 00 04 67 41 4D 41 00 00 B1 8F 0B FC 61 05 00 ...gAMA..z...da...
00003E30 00 00 09 70 48 59 73 00 00 16 25 00 00 16 25 01 ...pHYa...^...h..
00003E40 49 52 24 F0 00 00 14 CB 49 44 41 54 78 SE ED DD IR@A...EIDATx'iY
00003E50 CF 6B 95 57 1E C7 F1 74 98 48 9A 3A 81 34 9A I@W..@B'HA@I..4$
00003E60 14 09 06 06 02 E2 62 42 91 82 5D B9 C9 46 29 5D .....@B@'j'EF]]
00003E70 CD 3F E0 42 5C CD CE 65 70 39 BB 59 0B FF 87 I7aB\Ilep9wZh.g$
00003E80 22 BA C9 C6 55 85 41 8A 1B 11 02 C3 28 21 D4 44 **E@U.AS...A(I0D
00003E90 27 91 21 38 E7 A2 B3 96 FC 78 62 EE 7D 9E 73 6F 'i's+*"andl;@ao
00003EA0 92 A6 CD 4D 3F BE 5E 08 3E 37 F5 31 EA AA 6F CE 'GIMN'N'>701a*oI
00003EB0 39 DF F3 C9 F4 DD CB 03 00 00 00 11 7E 5F 7D 0C $@oE@Y@.....Wq.
00003EC0 00 00 F0 DB A7 70 00 00 80 1C 0A 07 00 00 C8 A1 ..@0@p..E.....E;
00003ED0 70 00 00 80 1C 0A 07 00 00 C8 A1 70 00 00 80 1C p..E.....t...p..E..
00003EE0 0A 07 00 00 C8 A1 70 00 00 80 1C 0A 07 00 00 C8 ...t...p..E.....E
00003EF0 A1 70 00 00 80 1C 0A 07 00 00 C8 A1 70 00 00 80 :p..E.....t...p..E..
00003F00 1C 0A 07 00 00 C8 A1 70 00 00 80 1C 0A 07 00 00 .....t...p..E.....
00003F10 C8 A1 70 00 00 80 1C 0A 07 00 00 C8 A1 70 00 00 .....t...p..E.....
00003F20 80 1C 0A 07 00 00 C8 A1 70 00 00 80 1C 0A 07 00 .....t...p..E.....
00003F30 00 C8 A1 70 00 00 80 1C 0A 07 00 00 C8 A1 70 00 .....t...p..E.....
00003F40 00 88 1C 0A 07 00 00 C8 A1 70 00 00 80 1C 0A 07 .....t...p..E.....
오류셋: 3DE9 블록: 3DE9-3DEC 페이지: 4 읽어쓰기
```



총 4개의 PNG파일을 뱉어내고서야 파일이 끝이 나는 것을 볼 수 있다. 그래서 각각 다른 PNG파일로 저장한 결과

flag{

d0_y0u_

kn0w_

m4g1c_numb3r?}

플래그를 찾을 수 있었다.

flag{d0_y0u_kn0w_m4g1c_numb3r?}