



← Thread




David Buchanan
@David3141593



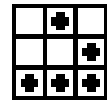
This is one of my entries to the BGGP 2021 Polyglot File challenge.

It uses a novel technique of directly embedding data within the compressed image data stream of a PNG. This means you can literally see the bytes of the embedded files!

This PNG file is a 

It is also:

- An executable **JAR** (JVM Bytecode)
- A **CHIP-8** ROM
- A **Brainfuck** Program
- A **PDF** Document
- A **ZIP** containing **EICAR.COM**
- 3584 bytes long
- Tweetable!



- Retr0id



Battle Programmer Yuu @netspooky · 6h

The BGGP 2021 Polyglot File Challenge repo is here! Each entry has been scored and visually dissected. Included are the files and info on how to run them yourself!

github.com/netspooky/BGGP...

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```

r01d/two_chip8.pbm
E: 20210916
E: Z3
ES: CHIP-8 .PNG
ES6: 1407370ca76118ae67d148d1127c7cfad35c339d32ba648b69e24b8be25a14
RE: 1.8635

PNG
CHIP-8
50 34 0a 23 a2 0f d4 d0 12 00 0a 38 20 38 0a ff | ?d . . . . . . . . . .
e7 db fb e7 df c3 ff | . . . . . . . . . .

Open two_chip8.pbm in https://a.joe.co.uk/chip8/chip8.html
$ feh two_chip8.pbm

```

11:34 AM · Sep 24, 2021 · Twitter Web App

5 Retweets 6 Likes



David Buchanan @David3141593 · 4m

Replying to @David3141593

This is special because:

- It's a 100% valid PNG file, no metadata or extra sections. You can upload it directly to Twitter, and download the exact file back again.
- You don't need a special program to decode the image pixels - e.g. it is directly executable as a JAR file



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