



Hextazy

Put some color in your life



\$ whoami

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Freelance, 8 years in offensive security

- Pentest
- Training
- Consulting



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Hexyl

I'm a big fan of the hex viewer Hexyl.

Also, check **bat** if you haven't already.

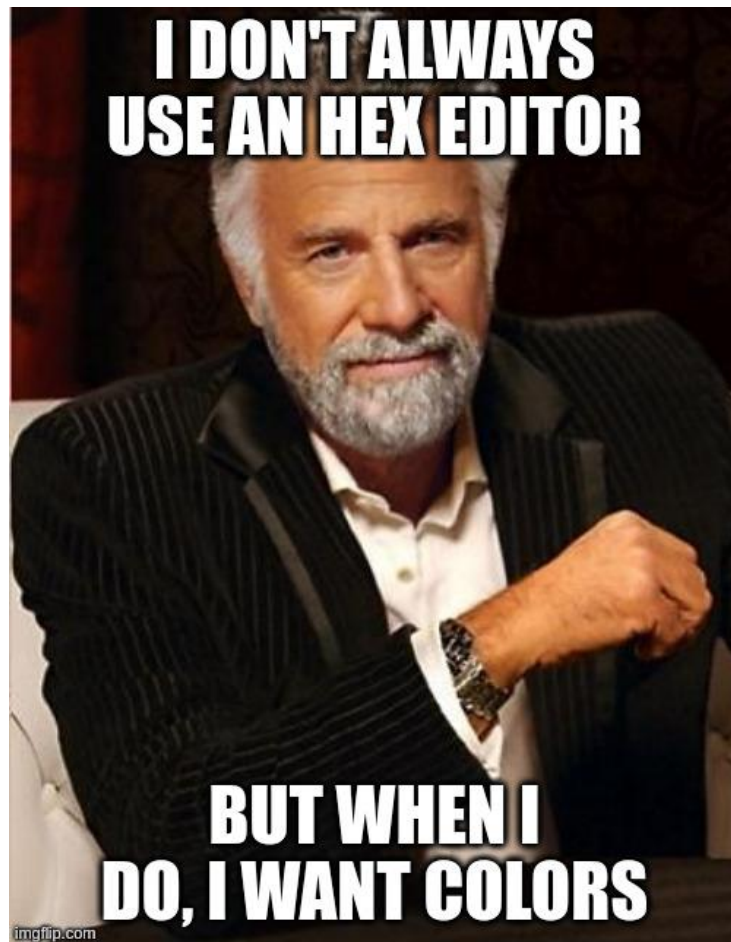


```
> xxd all_bytes.bin
00000000: 0001 0203 0405 0607 0809 0a0b 0c0d 0e0f  .....
00000010: 1011 1213 1415 1617 1819 1a1b 1c1d 1e1f  .....
00000020: 2021 2223 2425 2627 2829 2a2b 2c2d 2e2f  !"#%&'()*+,-./
00000030: 3031 3233 3435 3637 3839 3a3b 3c3d 3e3f  0123456789:;<=>?
00000040: 4041 4243 4445 4647 4849 4a4b 4c4d 4e4f  @ABCDEFGHIJKLMNO
00000050: 5051 5253 5455 5657 5859 5a5b 5c5d 5e5f  PQRSTUVWXYZ[\]^_
00000060: 6061 6263 6465 6667 6869 6a6b 6c6d 6e6f  `abcdefghijklmno
00000070: 7071 7273 7475 7677 7879 7a7b 7c7d 7e7f  pqrstuvwxyz{|}~.
00000080: 8081 8283 8485 8687 8889 8a8b 8c8d 8e8f  .....
00000090: 9091 9293 9495 9697 9899 9a9b 9c9d 9e9f  .....
000000a0: a0a1 a2a3 a4a5 a6a7 a8a9 aaab acad aeaf  .....
000000b0: b0b1 b2b3 b4b5 b6b7 b8b9 babb bcbd bebfb  .....
000000c0: c0c1 c2c3 c4c5 c6c7 c8c9 cacb cccd cecfc  .....
000000d0: d0d1 d2d3 d4d5 d6d7 d8d9 dadb dced dedfd  .....
000000e0: e0e1 e2e3 e4e5 e6e7 e8e9 eaebed eefef  .....
000000f0: f0f1 f2f3 f4f5 f6f7 f8f9 fafb fcfd fefff  .....
```

```
> hexyl all_bytes.bin
00000000 00 01 02 03 04 05 06 07 08 09 0a 0b 0c 0d 0e 0f 0.....
00000010 10 11 12 13 14 15 16 17 18 19 1a 1b 1c 1d 1e 1f .....
00000020 20 21 22 23 24 25 26 27 28 29 2a 2b 2c 2d 2e 2f !"#%&'()*+,-./
00000030 30 31 32 33 34 35 36 37 38 39 3a 3b 3c 3d 3e 3f 0123456789:;<=>?
00000040 40 41 42 43 44 45 46 47 48 49 4a 4b 4c 4d 4e 4f @ABCDEFGH IJKLMNO
00000050 50 51 52 53 54 55 56 57 58 59 5a 5b 5c 5d 5e 5f PQRSTU VWXYZ[\]^_
00000060 60 61 62 63 64 65 66 67 68 69 6a 6b 6c 6d 6e 6f `abcdefg hijklmno
00000070 70 71 72 73 74 75 76 77 78 79 7a 7b 7c 7d 7e 7f pqrstuvw xyz{|}~.
00000080 80 81 82 83 84 85 86 87 88 89 8a 8b 8c 8d 8e 8f xxxxxxxx xxxxxxxx
00000090 90 91 92 93 94 95 96 97 98 99 9a 9b 9c 9d 9e 9f xxxxxxxx xxxxxxxx
000000a0 a0 a1 a2 a3 a4 a5 a6 a7 a8 a9 aa ab ac ad ae af xxxxxxxx xxxxxxxx
000000b0 b0 b1 b2 b3 b4 b5 b6 b7 b8 b9 ba bb bc bd be bf xxxxxxxx xxxxxxxx
000000c0 c0 c1 c2 c3 c4 c5 c6 c7 c8 c9 ca cb cc cd ce cf xxxxxxxx xxxxxxxx
000000d0 d0 d1 d2 d3 d4 d5 d6 d7 d8 d9 da db dc dd de df xxxxxxxx xxxxxxxx
000000e0 e0 e1 e2 e3 e4 e5 e6 e7 e8 e9 ea eb ec ed ee ef xxxxxxxx xxxxxxxx
000000f0 f0 f1 f2 f3 f4 f5 f6 f7 f8 f9 fa fb fc fd fe ff xxxxxxxx xxxxxxxx
```

Origin story

- No cool command line hex editor.
- I was learning rust
- Easy projet





Hextazy

Basic but colorful
hex editor.

```
00000000 00 01 02 03 04 05 06 07 08 09 0a 0b 0c 0d 0e 0f 0 ..... ..
00000010 10 11 12 13 14 15 16 17 18 19 1a 1b 1c 1d 1e 1f .....
00000020 20 21 22 23 24 25 26 27 28 29 2a 2b 2c 2d 2e 2f !"#%&'()*+,-./
00000030 30 31 32 33 34 35 36 37 38 39 3a 3b 3c 3d 3e 3f 01234567 89:;<=>?
00000040 40 41 42 43 44 45 46 47 48 49 4a 4b 4c 4d 4e 4f @ABCDEFGH IJKLMNO
00000050 50 51 52 53 54 55 56 57 58 59 5a 5b 5c 5d 5e 5f PQRSTUVW XYZ[\]^_
00000060 60 61 62 63 64 65 66 67 68 69 6a 6b 6c 6d 6e 6f `abcdefg hijklmno
00000070 70 71 72 73 74 75 76 77 78 79 7a 7b 7c 7d 7e 7f pqrstuvw xyz{|}~·
00000080 80 81 82 83 84 85 86 87 88 89 8a 8b 8c 8d 8e 8f xxxxxxxx xxxxxxxx
00000090 90 91 92 93 94 95 96 97 98 99 9a 9b 9c 9d 9e 9f xxxxxxxx xxxxxxxx
000000a0 a0 a1 a2 a3 a4 a5 a6 a7 a8 a9 aa ab ac ad ae af xxxxxxxx xxxxxxxx
000000b0 b0 b1 b2 b3 b4 b5 b6 b7 b8 b9 ba bb bc bd be bf xxxxxxxx xxxxxxxx
000000c0 c0 c1 c2 c3 c4 c5 c6 c7 c8 c9 ca cb cc cd ce cf xxxxxxxx xxxxxxxx
000000d0 d0 d1 d2 d3 d4 d5 d6 d7 d8 d9 da db dc dd de df xxxxxxxx xxxxxxxx
000000e0 e0 e1 e2 e3 e4 e5 e6 e7 e8 e9 ea eb ec ed ee ef xxxxxxxx xxxxxxxx
000000f0 f0 f1 f2 f3 f4 f5 f6 f7 f8 f9 fa fb fc fd fe ff xxxxxxxx xxxxxxxx
00000100 00 00
00000110
00000120
```



Hextazy

Example with an
ELF file

00000000	7f 45 4c 46 02 01 01 00	00 00 00 00 00 00 00 00	•ELF•••0	00000000
00000010	03 00 3e 00 01 00 00 00	a0 6a 00 00 00 00 00 00	•0>0•000	xj000000
00000020	40 00 00 00 00 00 00 00	28 14 02 00 00 00 00 00	@00000000	(••000000
00000030	00 00 00 00 40 00 38 00	0d 00 40 00 1f 00 1e 00	0000@080	_@0•0•0
00000040	06 00 00 00 04 00 00 00	40 00 00 00 00 00 00 00	•000•000	@00000000
00000050	40 00 00 00 00 00 00 00	40 00 00 00 00 00 00 00	@00000000	@00000000
00000060	d8 02 00 00 00 00 00 00	d8 02 00 00 00 00 00 00	x•0000000	x•0000000
00000070	08 00 00 00 00 00 00 00	03 00 00 00 04 00 00 00	•00000000	•000•000
00000080	18 03 00 00 00 00 00 00	18 03 00 00 00 00 00 00	••0000000	••0000000
00000090	18 03 00 00 00 00 00 00	1c 00 00 00 00 00 00 00	••0000000	•00000000
000000a0	1c 00 00 00 00 00 00 00	01 00 00 00 00 00 00 00	•00000000	•00000000
000000b0	01 00 00 00 04 00 00 00	00 00 00 00 00 00 00 00	•000•000	00000000
000000c0	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00	000000000	000000000
000000d0	58 34 00 00 00 00 00 00	58 34 00 00 00 00 00 00	X40000000	X40000000
000000e0	00 10 00 00 00 00 00 00	01 00 00 00 05 00 00 00	0•0000000	•000•000
000000f0	00 40 00 00 00 00 00 00	00 40 00 00 00 00 00 00	0@0000000	0@0000000
00000100	00 40 00 00 00 00 00 00	91 30 01 00 00 00 00 00	0@0000000	x0•000000
00000110	91 30 01 00 00 00 00 00	00 10 00 00 00 00 00 00	x0•000000	0•0000000
00000120	01 00 00 00 04 00 00 00	00 80 01 00 00 00 00 00	•000•000	0x•000000

That all folks !

- Still need some polishing.
- No package, but **static binary** available.
- <https://github.com/Faelian/Hextazy>



Thanks !

- Still early days
- **No undo**
- No way to jump at an address



Repo: <https://github.com/Faelian/Hextazy>

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