PaperCrypt Recovery Sheet

What is this?

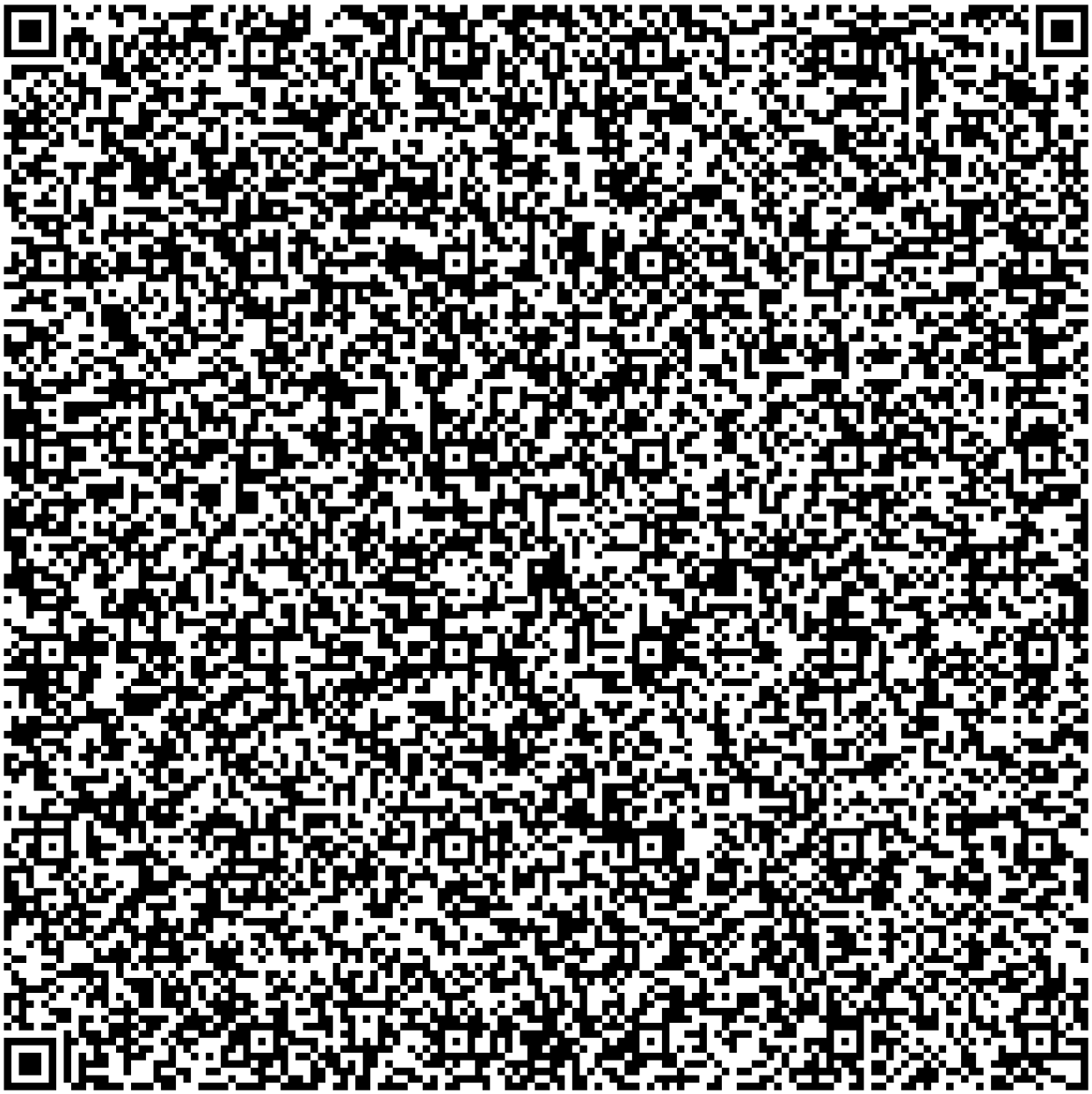
This is a PaperCrypt recovery sheet. It contains encrypted data, its own creation date, purpose, and a comment, as well as an identifier. This sheet is intended to help recover the original information, in case it is lost or destroyed.

Binary Data Representation

Data is written as base 16 (hexadecimal) digits, each representing a half-byte. Two half-bytes are grouped together as a byte, which are then grouped together in lines of 22 bytes, where bytes are separated by a space. Each line begins with its line number and a colon, denoting its position and the beginning of the data. Each line is then followed by its CRC-24 checksum. The last line holds the checksum of the entire block. For the checksum algorithm, the polynomial mask 0x864cfb and initial value 0xb704ce are used.

Recovering the data

Firstly, scan the QR code, or copy (i.e. type it in, or use OCR) the encrypted data into a computer. Then decrypt it, either using the PaperCrypt CLI, or manually construct the data into a binary file, and decrypt it using OpenPGP-compatible software.



 # PaperCrypt Version: v1.0.0-beta1-8-g8b9a564-dirty
 # Content Serial: DTUPEA
 # Purpose: Example Sheet
 # Comment: Regular PDF Example
 # Date: Mon, 04 Sep 2023 20:58:59.947106400 CEST
 # Content Length: 533
 # Content CRC-24: 5a2d45
 # Content CRC-32: 2ddecf9
 # Content SHA-256: 3U8Y2mh8h+w+H4WAK1J9ukU6x/1wnSYUqiyqTgktZzY=
 # Header CRC-32: 1e40f27f

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 1: C3 2E 04 09 03 08 3B 9E 23 C1 70 1B 70 23 E0 F4 B1 EA A2 4A 9B 7C 7ABA65
 2: A4 C8 55 EF 39 82 D5 7E B9 D8 43 90 7A 62 56 ED 35 09 C0 4C B5 62 03B5D2
 3: 1E 8F 09 F8 D2 C1 22 01 A4 BB 52 73 CC 0F C4 47 27 BF 19 29 EE E1 3EB49F
 4: 81 C3 C5 02 C8 16 F2 1A 00 87 FA 37 05 E6 9B E3 FD 02 1F 4F 46 53 02845D
 5: 77 34 64 A8 74 F8 90 AB 93 1C F9 C6 9D B4 14 5A BF D4 31 83 50 2A C800AF
 6: 25 30 28 FC 7C 69 60 67 6F F4 B7 63 65 D7 34 66 9C 1A 39 6F F3 70 C639E9
 7: E9 B3 3C 6E D1 C7 A2 95 68 DA 10 79 0F BE 8F A3 C0 4C 60 DE 71 5E EB13A4
 8: A1 B9 74 57 18 AA 30 82 B8 FF 16 1D 9F 3F FC 9E D4 CB D4 2F 6C B2 F17513
 9: D8 11 50 22 AE 0E F2 EB FA 62 74 4A 94 92 CC B9 51 6F 95 16 D4 3C 0DC991
10: 3B 42 E5 72 EA 36 2C BA F1 8E 58 BD 0C 07 A7 7F FD 4D D1 97 2D 17 BB5C35
11: A2 55 FF 70 44 53 E5 30 5D 67 5A 95 DE 99 10 9F F9 BB E0 CD 75 3E 5EA976
12: 48 25 59 B0 12 9A 86 EE F0 87 22 2A 7A F6 65 34 92 05 50 B9 48 19 BC98E5
13: 7E AD D7 63 F4 36 AB 37 1D FF 27 E3 60 94 18 1A F8 F7 59 F0 0C 28 51ADCB
14: C3 C9 D6 F1 7E 4A 4A 8A F0 8B E4 2D AC A5 1C 6A 03 D3 CB 33 41 76 8365D8
15: 8B 72 51 65 B5 43 9E 1E F1 6F 9E EB 7D 97 4A FC 16 95 6F F8 6E D9 589FE0
16: 75 27 48 B2 9E B1 BE 8A 1C CB 47 23 C1 15 5E 9A 08 40 24 7C D2 5D 5EDB7D
17: 40 43 63 2B DC 24 CF 04 E1 20 E3 77 EA 41 72 F7 82 8A BB D0 EF 01 B8D3A2
18: CC 3B 8B 05 D8 29 8F 7E 34 A4 93 B8 A9 69 20 2A 35 1D C4 35 A8 1A 460263
19: B0 8C 9C 4A 08 24 EF 29 07 A4 6B F1 CC 77 2D F5 5B 44 3E 4A 16 70 90D01E
20: 75 32 9F 64 2A A9 37 38 0B 1D 6C 7B 24 47 BF E1 78 42 03 A3 16 DD EC4133
21: 96 62 AA EB E7 19 0A 15 3A B7 89 62 61 8B CB 2C C7 D2 E2 1C 77 7C 7338A2
22: EC BD 67 BA E3 86 48 76 C8 1B BF 0E 29 3E 38 7F A0 D3 50 CC F0 63 281848
23: 7D 2A 4F 5A 7A 5A DB 73 AE 96 82 CF 6C EA 4C 82 E1 25 42 DD 33 35 48E7D4
24: 9B BD 44 AA D7 A1 66 88 F2 CF 02 19 34 D3 87 E1 53 F1 F7 E0 5A A8 B8A1CF
25: 9B C9 59 C2 63 7033AB
26: 5A2D45
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