PaperCrypt Recovery Sheet

What is this?

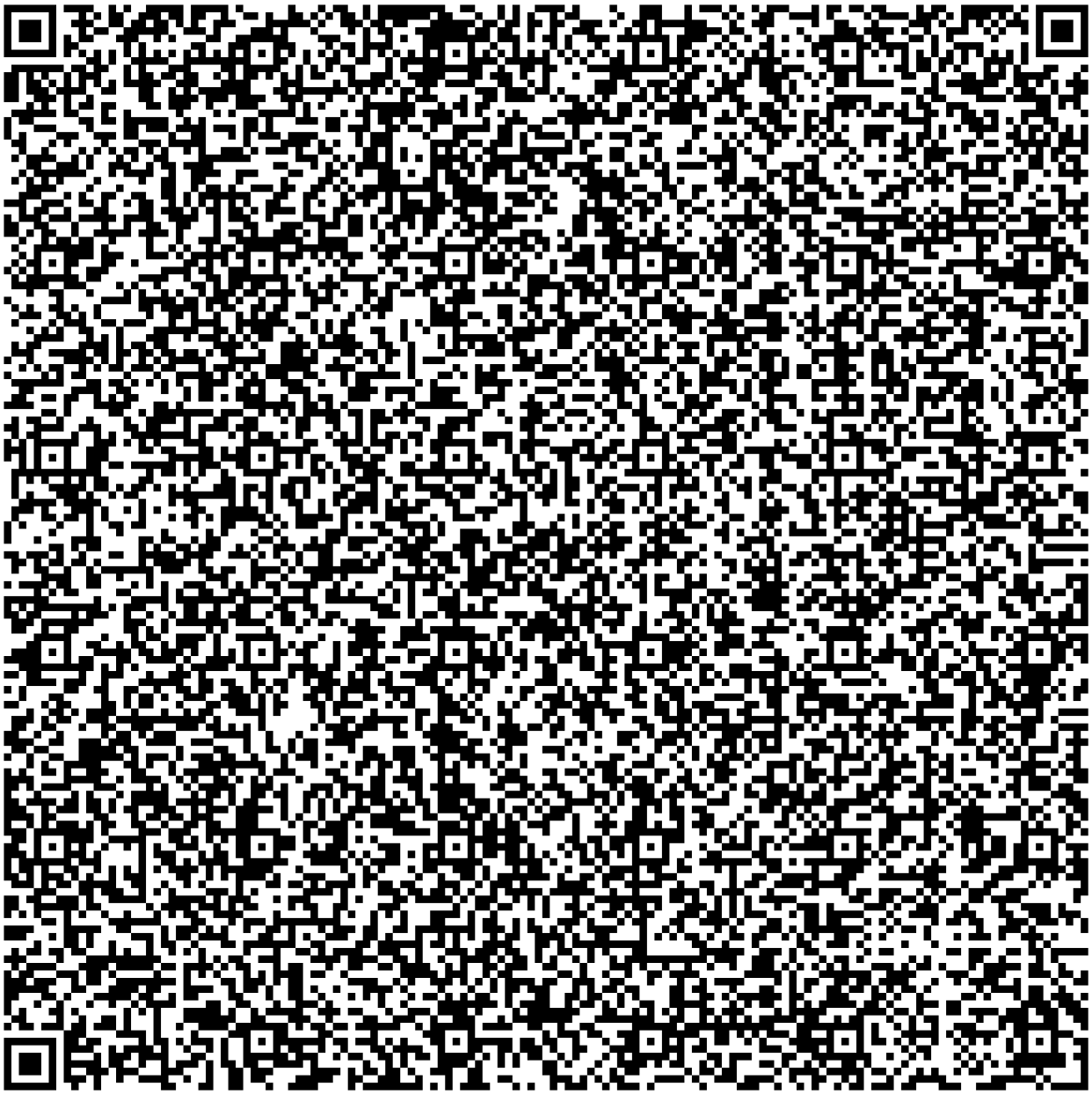
This is a PaperCrypt recovery sheet. It contains encrypted data, its own creation date, purpose, and a comment, as well as an identifier. This sheet is intended to help recover the original information, in case it is lost or destroyed.

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.



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# PaperCrypt Version: v1.0.0-beta1-8-g8b9a564-dirty
# Content Serial: CGSO7L
# Purpose: Example Sheet
# Comment: Lowercase PDF Example
# Date: Mon, 04 Sep 2023 20:59:00.174761200 CEST
# Content Length: 533
# Content CRC-24: b4353
# Content CRC-32: 7cca662b
# Content SHA-256: lSTBJl9I1rUR4tCYeAwv7mSoLC/evt/fZIH2bSGv59k=
# Header CRC-32: a32d1ad5
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 1: c3 2e 04 09 03 08 c7 74 40 8a 62 22 4e cb e0 f5 88 26 95 22 0f 59 47670f
 2: 6c d3 98 c2 5b 99 7f e3 50 23 9f fd a7 02 88 34 05 16 92 1e 21 ef ccb295
 3: 3a cd 9c ba d2 c1 22 01 c1 2a 17 c0 3f b1 4d 8d 4d ef 8b b0 82 68 3004ca
 4: df ed 03 ac 34 93 1a 22 4f dd a1 69 2f 3e 73 eb 26 9c bb 21 af c1 c999de
 5: e0 3f 47 be 2a ef 0e a0 d2 1b fc e1 0c 80 af 6f 2c 5b 03 91 cf d0 2f80bc
 6: 91 87 9f 6b ec 1a ad 27 9b 68 6f 6c 57 c0 2c 4f 84 5d c8 12 5e 30 db7fb8
 7: 54 2f 6f 71 26 4a 3c 09 a4 59 a4 44 7f 3b 2c cb a4 35 9a 73 7f c2 aff0be
 8: d0 b0 99 6c 2f 56 22 9a c9 e9 79 4a 74 bb 1f 82 37 55 c7 62 9b 81 534066
 9: 95 af d7 fa 2f c7 75 5f 1e ff 35 a9 46 90 cf bb ab af 99 b5 39 ce 624fbc
10: 01 ed 53 19 58 d1 8f 7a b5 54 81 ce ec 19 2f 99 35 3f 67 4f 7a 19 afa094
11: 65 8b 20 76 f3 a0 e5 7a 1b dc d6 53 0f 52 d3 b9 c6 72 1f c1 9c ab 119d2f
12: 25 0d 89 d1 00 43 6b b6 08 74 3f 80 d9 76 e6 dc ed e3 bf 4a db 27 2eb17c
13: 2e ff 92 a7 2a 18 d5 27 68 3f 68 92 5a 90 4a aa ab 46 3b de ba 00 9e322e
14: ac 71 9d e8 68 bd 6e 05 36 e4 20 b1 a0 fa 79 82 b1 63 f4 ec 3f 39 097f1e
15: 1c db f0 8f d2 d5 c9 bf 30 c8 bc 05 7d cf e5 f3 94 c6 e1 cb 6e b1 36b65b
16: 2a ab 30 33 52 12 d0 65 ca 47 c8 8b 8c 2f c6 5b d1 d2 35 65 2e c8 e95b89
17: 79 2c 38 57 b8 a7 5f f5 79 70 48 a9 18 d7 bd e7 8a 98 a2 f3 0d d8 7354e5
18: 7d 1f fe cc 8b 8b 47 f0 81 f9 fa ce d0 46 c3 08 55 5d 90 98 bb 0b 9efb9b
19: 34 e9 f1 ff 40 97 ad be e4 f9 a4 e5 bd 48 d9 f6 af d8 42 9d 86 5b 7964a9
20: 44 72 b7 11 c5 84 db cc 24 54 f5 03 2a 45 e8 d2 19 8e c3 19 dd e7 036dac
21: f6 cf c6 f8 99 64 9f 4a 5c ac 0a e5 57 b0 fe 2b bd 65 c4 c2 3a c9 0f6c76
22: 7b 64 af 79 1d ff 60 43 ec 87 48 d9 ac 45 5e 19 2e 02 95 c3 40 65 e06474
23: 85 c7 26 4c 23 93 02 c2 a7 ef c0 d0 dd 09 5b f2 30 c8 0d f1 34 f2 692bf1
24: 7c f4 29 2f 4d 81 ca 2d 3a a3 76 c9 8f 77 01 c9 a3 e2 c8 28 85 25 fbbb40
25: 23 d4 96 f7 16 4048c3
26: 0b4353
```