

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, 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-beta2-16-g34f6f0c-dirty
# Content Serial: G4NAOO
# Purpose: Example Sheet
# Comment: PDF without QR Code Example
# Date: Wed, 20 Sep 2023 17:14:13.236831500 CEST
# Content Length: 533
# Content CRC-24: 08f533
# Content CRC-32: 467fb5b6
# Content SHA-256: Mr1IDz1TOZ76IkEtDPjc+HFISp4/qQKVbBXydXC8pOI=
# Header CRC-32: 4ae8cc02
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1: C3 2E 04 09 03 08 B1 3F 6F A3 01 26 81 B0 E0 12 E8 1E 88 8F 2C 4A C5F182
2: 37 F1 82 80 A1 AC BA 75 41 18 E5 41 3C 87 85 00 C8 86 19 87 69 75 8263B4
3: 34 1A 16 01 D2 C1 22 01 8D 7A 73 81 05 3B AF D6 C9 1C 85 D8 33 DA F36CBC
4: 15 47 16 D1 F0 23 EB 7D CC C4 CB 60 47 6B 29 0A 42 A1 C0 1E B2 AE 54F4EC
5: A3 E1 13 5E EC FE 40 56 FE 32 00 A3 B0 CE DE 74 DF 1C 7E F5 A2 9D B32397
6: BE 28 91 D4 5F 9C 94 B1 18 0A 10 7B 3A 4E C6 91 5E A1 03 9A 20 CB 5A228B
7: 69 11 8C 15 10 BD 8B 51 87 70 8F 1F 84 4F 40 BA 2A 73 F4 3F F0 72 A29F55
8: AD 10 BA 24 4E 13 5E 8F 6B E1 C3 E5 F4 99 31 2E A2 EB 51 4B 90 F3 EC2395
9: 22 07 AE DF 36 DA C1 EC D7 C9 FA DE 9D 88 C5 5D FA 6D 6F 3B 37 CE 2BD5EC
10: 06 F0 49 5F 2D 3A 5C 6E 11 1D A0 D9 8C 47 01 15 D0 A9 47 5A C2 31 449ED8
11: 0A D8 C6 2C 2A 26 26 10 36 40 DE B7 F0 6B 03 3A C7 00 09 C1 44 61 FB21A1
12: 12 AE 99 DA BD 07 07 DC 9B 66 66 29 0F 25 A7 99 8A 64 28 05 18 F8 695EDA
13: 54 44 2A B6 68 22 6A E1 79 5E 77 B6 03 DE 1C 71 9F 94 0E AF A0 20 3D489C
14: 5F C4 10 3E 4D DC AB 43 50 CB 99 55 8E DF 5B A2 EA 7F 90 31 AF 2E 55E423
15: 60 C8 39 4B C6 A7 9B A2 38 63 4D 6D 4C E1 CF A4 D8 60 63 C1 BE 0C D4D9EE
16: 1F 37 9A 17 83 2C 05 A9 6D 4F AE 31 32 3D 05 D3 85 1C 59 88 A9 D3 DA6C19
17: DA A7 D4 2F D8 6C 0E 0C 9C D8 77 9A 13 59 D9 6F 5F A4 DD D9 77 1E 53EAFE
18: 74 F1 4A C9 E6 CF A9 2B 25 C9 00 9A 4C A6 6D 62 D5 C2 0E 4C 3D 23 730E38
19: D7 76 AD A1 F5 74 CB 2D 6A F4 6E 00 0E A4 5E B8 4B 36 7D E9 2E 03 B7736D
20: 4E FA 81 2D 5B 9C 30 0D CC 74 51 F7 36 A3 7C F0 3A DF AE 78 14 65 B0E472
21: EE 60 3D 5A 31 C7 FC B0 79 7F F8 48 C1 F4 0A 35 D5 CE 02 C8 C1 93 9CCF0A
22: 91 2B 36 FE 65 EB 71 C0 CE DB 39 18 20 3A 43 0C E2 BA B8 74 1A D2 FB19D0
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23: 76 8A 5D DE DA 7A 57 4A 1A 46 AB FC DA 12 93 62 19 5F 7A 6F F9 1D D0D9D1
24: 6D 47 26 9F 4F 07 76 1E 2E 68 87 34 86 F2 48 CD 9B D4 F1 B2 88 57 A8FBA8
25: A8 96 F1 AF 66 CFC374
26: 08F533

