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.

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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 24 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. Data is compressed using the gzip algorithm.

Recovering the data

Firstly, copy (i.e. type in, or use OCR on) 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: devel
Content Serial: HULXY2
Purpose: Example Sheet

Comment: PDF without QR Code Example

Date: Sat, 03 Aug 2024 12:05:24.682568600 CEST

Data Format: PGP
Content Length: 390
Content CRC-24: e449a1
Content CRC-32: 2556e797

Content SHA-256: YYew9C1+8ayQzwABDxutnVxNsEvi+uns4d6WL4k5cd8=

Header CRC-32: d3011bf2

1: 1F 8B 08 00 00 00 00 00 02 FF 00 6A 01 95 FE C3 2E 04 09 03 08 27 C0 4A 911116 2: 89 9E 6E 7A DC EØ 59 DD FB ED CE E9 21 C5 BA 1E DF 67 84 5F 87 66 70 10 DD60EE 3: F9 23 AC 03 C2 E5 B7 05 77 A2 9B F3 21 46 C5 D2 C0 77 01 A3 FD 0C 66 F0 2358E2 4: 76 7B F0 BE 61 D2 A1 62 CA 26 1F F8 1F 1E 48 A4 1E 02 62 AE 94 F5 DE 7D 689F3A 5: EF A6 3D AA 38 58 21 8F AC 00 83 5E 4D 72 E6 C4 59 41 A8 A9 A5 27 25 B2 CE35E4 6: 52 D5 FF D8 6D 55 30 B2 64 88 26 F7 10 E2 DD 43 04 85 12 F7 8B F4 18 2D 7E4980 7: 24 E2 84 5E 72 9A E6 5F 14 5E D6 77 CB F7 48 A5 D1 84 3F BE 4B 64 01 8D 8A8928 8: 1C 22 89 B5 94 A9 94 9F 12 47 EC 2D 74 E5 5E 97 9E C5 47 E2 0B 4B 09 DF 4547D0 9: 3F 24 D7 50 12 75 4D 6D 0B 70 19 DE 12 01 61 11 94 00 60 DD 7B 61 60 76 F0ED48 10: B9 BA C7 8F B8 B4 F5 CA E0 27 32 59 17 EE 0D 74 58 39 97 8B 8C 82 9E F6 71055D 11: 1C 83 9D 54 4C 65 CA A3 B0 08 1E 8C C5 83 47 96 D7 C7 6D 36 E8 D6 60 53 9DCF86 12: 9D 0A 5F 2F 7D EC 70 02 E1 5A 3E 06 89 68 95 8E 84 B1 A6 41 70 57 EA F1 252BC8 13: 73 C0 3C BA 70 27 EC A8 BD 11 18 AE 35 77 13 E5 4A 70 55 B1 38 F7 47 E8 6695D4 14: 8A D9 F9 10 D6 F0 06 10 53 E9 A2 BE DB 2F 41 07 EB 91 A8 DB 82 24 31 A0 A73888 15: 99 91 A4 90 C4 5A 90 95 4E D3 12 86 01 17 7A 93 5B 7D BF CF 03 45 76 72 D18779 16: AB 4B C3 99 70 F2 06 70 83 A7 90 DF 97 54 B6 C2 CF 01 00 00 FF FF EC 6B 61316F 17: F1 A3 6A 01 00 00 5FAC14 18: E449A1

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