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 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: P5HFNT
Purpose: Example Sheet

Comment: PDF without QR Code Example

Date: Thu, 01 Aug 2024 20:39:51.652340400 CEST

Data Format: PGP# Content Length: 390# Content CRC-24: 5aeb2d# Content CRC-32: cfa43e82

Content SHA-256: WovziKK3BCbd2dJ74sr3blsrkdxMMfioK16zaDqGSuw=

Header CRC-32: dcb1e2de

1: 1F 8B 08 00 00 00 00 00 02 FF 00 6A 01 95 FE C3 2E 04 09 03 08 15 FF1244 2: 0D 6A C9 3E A6 0C AB E0 69 05 D2 4F 8F 1D 2A B5 13 9D D1 E2 1E 41 A51218 3: 69 8B CB B6 79 EF E4 CC A5 75 B5 1B 1B A7 96 CB 52 38 F4 D2 C0 77 5444CA 4: 01 F8 2C D7 27 01 D5 9C C1 66 85 26 68 3E 28 24 EA 29 13 15 51 A4 A26370 5: 24 7D A3 CF E6 D0 C5 2B 38 17 67 18 08 68 7E 82 FF 31 66 30 A8 B8 485845 6: D8 33 3C 03 F0 59 86 BA 0F 2B 37 52 2F 76 A8 32 13 DF C6 B4 D1 BC 89B8C9 7: 69 03 2B 3C B9 89 E1 B9 97 FC 14 89 DA 9A F9 50 12 C8 D3 0C F5 CB B281B9 8: FD E1 3C CF 67 DC 3A AB 98 B7 36 70 00 F9 BA 34 D4 6A F4 8B 58 32 5761E9 9: C4 1A E4 19 0B F2 83 99 93 32 32 99 C7 BB 14 E5 C7 A6 41 EF 0B F4 A837DB 10: 51 FD CB D8 DD A2 A4 A4 40 36 45 09 F4 5B 66 B2 C7 0E 8C F0 8E 76 E00CEF 11: DB 4D C1 5B E2 47 45 0F 19 02 5F 7D A7 03 98 D9 A3 96 4C B9 A4 B2 B7BC72 12: A8 06 B0 88 2D A4 58 57 C7 45 AA BA 45 F6 17 D2 1E AA B6 E6 B8 BE 2261DD 13: 07 66 90 3D 3F AE B8 8A E1 9E 40 8A 01 8C B7 EC 04 A8 E4 86 9E 3B 462AC8 14: 65 59 F0 A5 DB E4 B6 30 44 17 F8 30 ED 66 F9 02 CB 9A 7C 39 B3 28 E9E935 15: FD 40 F9 4F B3 8A 24 A0 D6 A3 10 29 FC 9C AC 8E E0 13 45 47 04 B1 5BE849 16: A2 39 E5 F1 A4 9E 56 5A EC AE B1 9F A4 B8 E5 46 88 3F 0A 43 C4 69 6157CF 17: F3 6A 98 45 30 97 F0 AC 13 69 F1 2C C7 74 D5 38 BE EC BB 9C F4 F9 EFD392 18: 6A F9 E1 01 00 00 FF FF 4E 7F D1 4C 6A 01 00 00 4A372D 19: 5AEB2D

