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: devel
Content Serial: JIBIIW
Purpose: Example Sheet

Comment: PDF without QR Code Example

Date: Tue, 26 Sep 2023 21:54:48.264491300 CEST

Content Length: 362
Content CRC-24: 909eed
Content CRC-32: e808b2df

Content SHA-256: iBltiRHq4r0vc4NKF8fLhKyvCSayBHOWjappoFoo60E=

Header CRC-32: 9870c425

1: C3 2E 04 09 03 08 55 4C A6 D5 5A 1B CB D7 E0 AD D8 62 2B CF E9 51 6CCB79 2: E6 1E 8E 03 B0 72 6D 54 48 CF 9F 60 EA 7F 3E 69 EA A8 B6 53 68 D3 25260C 3: 38 2A AB 2B D2 C0 77 01 98 C8 7E E1 05 A5 93 96 4F FA 83 4E 5F 0F DC3902 4: E2 41 78 6E 89 E4 76 48 50 DD D3 85 32 08 3A 49 34 D1 E2 F2 02 82 571BEB 5: 36 17 7C 83 DE 9E C9 66 22 56 4A D5 5E BF 28 9E 58 BF ED F1 25 78 0E0E78 6: C6 2C 7E 1E 30 D8 FD 26 44 3A 8D 91 39 E3 66 50 1D 0A 22 3E 80 19 F3B1E2 7: 76 5F 6B 6D 75 88 28 81 D5 9A B0 1C 86 36 B6 DC C2 BD A5 8E CA 1F 885D8A 8: 00 D3 FF DC 6B FA BB 5E F1 BB 81 27 2E 5B 0F F9 DC 10 DB 73 CA 5B F6F327 9: CF 9D 0C 64 D5 71 97 49 3B 4D 60 2B 8F ED C8 9F 9D 8E F7 CF 7C 06 04DFCB 10: 8A AC F5 78 10 75 32 12 1B F6 F0 BC 1E 6F 9E D5 07 74 E1 0A A7 00 E38493 11: D4 8F CB 82 46 08 9A 91 DE C3 E9 19 98 64 05 31 BE 07 73 BF 70 F4 03715E 12: DB EF 2A 2A E3 39 88 47 1B 74 1D 33 33 7D D6 93 5A 08 CD 69 9B D8 A8E514 13: 96 E5 25 CC BD 67 E6 DA 44 F3 55 B9 DE D4 6F C9 00 77 04 B8 7E EA B9F6DC 14: 06 63 DF 42 17 E7 9E 52 4E A7 14 A4 8F 0B 6E 99 C5 14 09 91 0A B5 D39D5A 15: E7 0E 9A C6 BC D3 58 86 68 AF 2A 85 FE 95 1E 18 04 4B 90 85 7E 9E 906104 16: 11 AC 25 41 77 17 57 1F A8 A2 F7 6C 94 8C A0 AA B3 FA FD 27 A3 D8 BC355D 17: 1F 39 19 89 25 E5 42 81 84 9A 4BC698

18: 909EED

