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: LR6QAV
Purpose: Example Sheet

Comment: PDF without QR Code Example

Date: Tue, 06 Aug 2024 11:12:31.349054800 +0200

Data Format: PGP
Content Length: 390
Content CRC-24: 20c306
Content CRC-32: 5e70ae2b

Content SHA-256: SrBhGr/hn4YKQ8XY2Nilhh+QwBC1tor23zl5pNp6+M4=

Header CRC-32: 7d50d300

1: 1F 8B 08 00 00 00 00 00 02 FF 00 6A 01 95 FE C3 2E 04 09 03 08 4F 70 BF 965321 2: 1F 9D 27 14 EE E0 1B CA 93 DE 2B BF 5D 51 DB EA CE A6 05 A6 1F 7E B9 8F 21ECD7 3: E6 D7 6A 3B BC 0A AE E9 B6 29 3D C8 9B 36 BA D2 C0 77 01 E8 23 19 32 84 50B08B 4: 39 29 60 1C C2 84 D7 7A 0F 7C DE 19 84 C6 31 DB A0 3A EF 9E 75 0B 8A 58 6B7A23 5: 3A 37 A6 96 84 0A 5E 97 64 4D 4C F7 AF 0F DA 18 F4 E2 D9 73 4F 2D B1 CA 662336 6: 1D D2 F7 1C E5 17 44 04 18 A4 B0 23 FF FC 48 C4 ED 36 78 98 9D 15 81 5C 70B747 7: 17 49 36 57 5B A7 82 C3 DA 5D 81 BE C8 C0 16 D3 C7 4F E8 97 FD 18 5F 36 A9D9CC 8: 85 26 4F 31 A2 F4 FE 9A E8 E9 09 C9 84 92 AD F7 EB E5 48 EF B8 CC EE 28 DD0351 9: 9B 6C B6 7D 0A 51 E7 CD 96 65 F2 66 FC 7F F1 91 A4 5A 11 6A AF 79 A9 C3 738503 10: 2B C3 B1 96 E3 66 E5 C4 D0 2F 66 11 A5 34 17 0D 94 8B 3B 99 09 1A 3C CF B4702A 11: F1 85 83 CB 9B 4E 55 BF 8B BF 45 46 40 3C 90 5A 70 ED B4 F1 7E 8A 95 3C ACA90E 12: 0C 3E E3 2A 05 D0 D0 98 D2 7F 53 A6 60 43 0B 92 39 4F 2F C3 47 98 E9 7A CC7A95 13: 7A EE 7C 3C DF BD 02 90 4D AA 48 3A 95 16 C5 CC A5 6B 7C 01 D0 93 1D AE 807EF2 14: 02 EF B2 85 D4 41 86 11 03 8C 3A 60 5D DF 78 61 16 D1 61 DE A7 86 56 71 C3B114 15: D6 43 72 70 87 62 83 DA D3 AA 4F C5 4B C9 72 92 1D 97 6D 34 84 DC F5 64 BAEC00 16: FF 85 EB 3B 39 E5 41 01 7F 9A 3D 2A 91 8E 17 78 16 01 00 00 FF FF 07 0C AE9A44 17: 26 58 6A 01 00 00 9FAB8D

18: 20C306

