Anelok account database format (2016–05–18 version, will change)

Length (bytes)	2 bytes, big-endian
Writer's public key	32 bytes
Nonce	24 bytes
Number of readers	1 byte
Reader's public key	32 bytes
Encrypted record key	32 bytes
• • •	
Secret box	>= 16 bytes
• • •	
EOF marker (if needed)	2 zero bytes
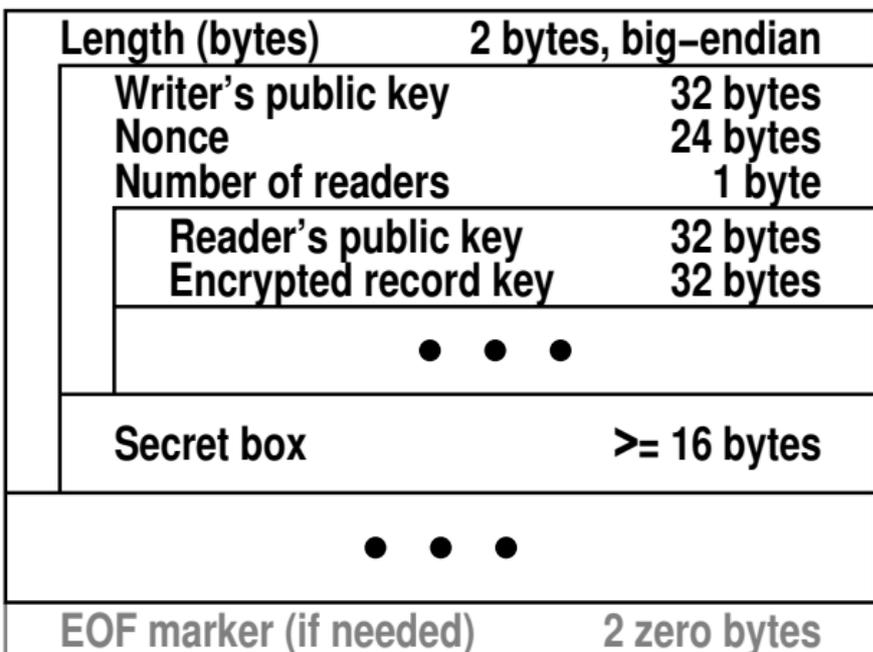
Encrypt

Account record

Type	1 zero byte
Length (bytes)	2 bytes, big-endian
Record name	>= 0 bytes
Type	1 byte
Length (bytes)	2 bytes, big-endian
Value	>= 0 bytes
• • •	
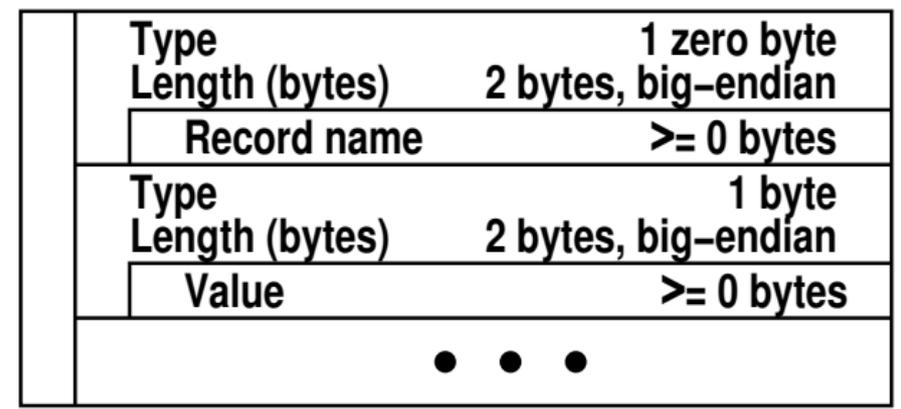
The name field must always be present and must be first

Type codes

Type	Code
Record name	0
URL	1
Login name	2
Password	3

Length is known from container