

zapier.georgelambert.org · Markdown indexes

VERAE TIME x ZAPIER

07 attachments and metadata

site/user-docs/07-attachments-and-metadata.md

7. Attachments and metadata (not on chain)

The blockchain stores hash + time + certificate. Everything else is **off-chain WORM**:

Field	Chain	Archive (<code>verae.archive.put</code>)
SHA-256	yes	key
Public metadata JSON	no	kind: publicMeta
Encrypted private metadata	no	kind: privateMeta
File bytes	no	kind: file + contentSha256

Set **includeAttached** on wait/lookup when you need those records back. Middleware then broadcasts `verae.archive.query`. Each archive uses a bloom filter: **if it does not have the hash, it sends nothing**. Archives that have data reply; the aggregator merges them into `receipts[]` and `files[]`.

Bloom false positives are possible (empty reply after a maybe). False negatives must be rare.

Private metadata is only returned on authenticated archive replies. Zapier still never talks to NATS; it only sees the JSON middleware built.