

GLYX Archive

Keep the structure. Restore what you need.

GLYX Archive brings local archiving, reuse across compatible content and exact selected restoration into one workflow. It is intended for growing libraries in which related files can share retained structure. Unique information and the information needed to reconstruct an exact result remain part of the retained representation.

46.8% smaller than ZIP

A recorded real-work cohort: archive plus restoration record, compared with a ZIP containing the same files. 742 of 742 files restored exactly.

Make compatible content work together

Later content can reuse applicable structure already retained in the archive. The opportunity depends on shared structure; greater file size alone does not guarantee a better ratio.

Restore selected content

Retrieve the file or requested range needed for the task. Unrequested content can remain archived. Large-file streaming limits the working set rather than requiring the whole input in memory.

Keep the result measurable

Review original size, retained size and bytes saved. Verify restoration before removing any original. An archive on the same device is not a separate backup.

UK patent application GB2624952.4 is pending. An application is not a granted patent.

Workflow and recorded evidence

- 1. Choose files or an approved folder.
- 2. Create or extend an archive and review its measured retained size.
- 3. Restore selected content and verify it against the source.
- 4. Keep a separately verified backup before retiring originals.

Source files	1,650,532,800 bytes
Same-content ZIP	1,490,471,935 bytes
GLYX archive + restoration record	793,564,456 bytes
Exact restored files	742 / 742
Runtime carrier, additional	68,152 bytes
Installation footprint, additional	51,749,173 bytes

How to read these results

The archive and restoration record used 46.8% less space than the same-content ZIP. Adding the recorded runtime carrier and installation footprint conservatively gives 845,381,781 bytes, approximately 43.3% below that ZIP. This counts the application once for this comparison; it is not a per-file installation charge. Temporary staging, backups, the operating system and working memory are additional.

Scope of the evidence

This is a measured private candidate on a real-work cohort, not a universal compression guarantee. Encrypted, unique and already-compressed content can yield different savings. Exact bytes and complete reconstruction dependencies must be retained and counted. The current desktop route is macOS first. Windows protected-workflow integration and wider customer-platform acceptance remain separate work.

From evidence to a deployment

A scoped customer evaluation

Use a representative customer dataset, including ordinary, repeated, already-compressed and unique files. Compare the same content against the customer's best practical archive baseline. Count construction, retained dependencies, installation, incremental additions, restore time, peak memory and recovery. Verify full and selected restores, restart behaviour and refusal of damaged content.

Commercial route

Proposed routes are personal-device and team subscriptions, business deployments and device-maker integration. A creation licence can be separated from continued restoration of existing archives. Customer prices, supported platforms, support limits and delivery terms must be agreed before sale.

Using the products together

TokenHoloFold addresses supported local work; GLYX retains exact records; Seed State qualifies and reconstructs supported returning state. Each can be considered separately. A combined evaluation uses one agreed cost boundary and counts each saving once. Separate benchmark ratios must not be multiplied into a projected total saving.

Confidentiality and delivery

This paper describes customer-visible behaviour, recorded outcomes and evaluation boundaries. It does not disclose implementation source, private reconstruction material, issuer keys or proprietary selection rules. Controlled packages and confidential technical discussions require an agreed disclosure and delivery scope. An NDA is not permission to redistribute source or customer data.

Product status

The material describes qualified studies and private evaluation candidates. General customer distribution, target-platform acceptance, production support, checkout and subscription activation require their own completion checks. No universal installation, lossless compression ratio, guaranteed customer saving or energy claim is made.

Evidence reference

Recorded real-work shared-library comparison and current public evidence summary, GLYX cohort. The result is independent of the older structured-generator demonstrations.

Find the corresponding evidence section and evaluation route on the Beyond Brute Force Systems company website when public access opens. Enquiries can be directed to Ben Vivian through his professional profile: [linkedin.com/in/ben-vivian-0782b0130](https://www.linkedin.com/in/ben-vivian-0782b0130).