

changelog.md for @serve.zone/containerarchive

2026-03-23 - 0.1.3 - fix(repo)

no changes to commit

2026-03-23 - 0.1.2 - fix(package)

rename package namespace from @push.rocks to @serve.zone

- Updates the published package name to @serve.zone/containerarchive
- Aligns repository, bugs, homepage, README usage examples, and generated commit metadata with the new namespace

2026-03-23 - 0.1.1 - fix(repo)

no changes to commit

2026-03-22 - 0.1.0 - feat(rust-core)

add zstd chunk compression support and rewrite partially referenced packs during prune

- introduce selectable gzip or zstd compression with per-chunk flags persisted in the global index

- restore and verify now detect the compression algorithm from stored flags and validate encrypted chunk handling
- prune now rewrites partially referenced packs to reclaim space and exposes rewritten pack counts in the API
- add coverage for zstd repository ingest, restore, and verify flows
- add project readme documentation

2026-03-22 - 0.0.2 - fix(repository)

no changes to commit

2026-03-22 - 0.0.1 - ingest and recovery

Expanded the backup engine with parity-integrated ingest and faster encrypted restore paths.

- Wired parity generation into the ingest pipeline with automatic triggering after every configured number of packs
- Stored `ParityConfig` in repository `config.json`
- Optimized encrypted restore by storing nonces in global index entries, avoiding IDX re-reads on the fast path with cache fallback
- Improved repair to attempt parity-based pack reconstruction before reindexing

2026-03-21 - 0.0.1 - initial engine and parity foundations

Initial release of the content-addressed incremental backup engine, including core architecture and early parity-enabled ingest capabilities.

- Implemented a Rust-first backup engine with a TypeScript facade using the smartproxy/smartstorage pattern
- Added core backup features including FastCDC chunking, SHA-256 hashing, gzip compression, AES-256-GCM encryption with Argon2id, binary pack files, global index, snapshots, locking, verification, pruning, and repair
- Added Unix socket streaming between TypeScript and Rust through `@push.rocks/smartrust` RustBridge IPC for ingest and restore

- Introduced multi-item ingest, processing multiple items sequentially into a single snapshot with separate chunk lists
 - Added Reed-Solomon parity support for pack file groups to enable single-pack-loss recovery
 - Extended repair to attempt parity-based recovery for missing pack files
 - Verified the implementation with passing integration and Rust unit tests
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Revision #2

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