

CaliberVaultII — End-to-End Pipeline, Verification, and Handoff
This document captures the current automation and QA workflow for CaliberVaultII as of November 2025.

Key Directories

- Repo: `/Users/ghogue/Desktop/CaliberVaultII`
- Overlay: `/Users/ghogue/Desktop/CaliberVaultII-From-Famous-`
- Public Mirror: `geraldlhogue/CaliberVaultII-public` (used by Famous)
- Sentinel: `HARNESS:2025-11-11T20:45Z:fa35a7e7`

Primary Commands

Command	Function
`cvpipe`	overlay → install → test → publish → verify
`cvmemo`	generates send-ready memo with results
`cvrelease`	runs cvpipe + cvmemo + copies memo to clipboard

Pipeline Overview

1. Overlay Sync

Syncs latest Famous drop into repo via rsync (excludes .git, node_modules, scripts, test-artifacts).

2. Install

Runs `npm ci` or `npm install` (deterministic, quiet).

3. TypeCheck

Executes `tsc -b`; falls back to commons.json if needed.

4. Tests

Runs Vitest with verbose reporter; logs to `test-artifacts/vitest.out.txt`.

5. Publish

Pushes results to public mirror using SSH over port 443; verifies raw files return HTTP 200.

6. Verify

Prints commit SHA (`main_commit`) and file fingerprint (`vitest_sha256`).

Harness Policy

- `vitest.setup.ts` is **not frozen** but changes require rationale.
- Famous may update it per drop only with clear documentation.
- Regressions trigger rollback to the previous version.

Known Failure Surfaces and Fixes

1. Supabase Builder: implement `insert()` and chainable `eq()`.
2. Auth Client: ensure `getSession()` and `onAuthStateChange()` exist on same module.
3. Realtime Client: provide `client.channel().on().subscribe()` mock.
4. API Service: `getAll()->array`, `create()->object`, `error->reject`.
5. InventoryOperations: align export/import (named vs default).
6. SmartInstallPrompt: fire `beforeinstallprompt` and call `prompt()`.
7. Barcode Cache: clamp delays; remove 10s waits.
8. ErrorHandler: export constructor + function with correct names.

Verification Protocol

Each run must publish three verifiable artifacts:

1. `vitest.setup.ts`
2. `vitest.override.ts`
3. `vitest.out.txt`

Famous must confirm by pasting:

- `main_commit` SHA

- `vitest.out.txt` SHA-256
- harness sentinel at runtime
- first & last 3 lines of `vitest.out.txt`

Diagnostics Tools

- **pipe-doctor.sh**: checks overlay sync, remotes, push. Run with `--fix` to repair.
- **harness.selftest.spec.ts**: fails fast when mocks/builders are missing.

Memo Template

Subject: CaliberVaultII — consume these exact, current artifacts

Status: Progress / No change / Regression

Artifacts: three raw GitHub links

Verification values: commit + sha256

Summary: test counts, durations

Fix List: explicit remaining issues

Policy: harness expectations

Troubleshooting

- Public stale → update OV path, confirm remote, re-run `cvpipe`.
- Zsh parse error → never paste TS directly, use heredoc redirection.
- Public 404s → ensure ` .gitignore` has `!test-artifacts/**`.

Usage Flow

1. `cvpipe`
2. `cvmemo` or `cvrelease`
3. Send memo to Famous
4. Receive new overlay, repeat.