

Acceptance Criteria

Acceptance Criteria (MVP Refactor)

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M1 — Stability & Security Patch

- [] All HTTP responses follow a consistent envelope (success/error) and include `requestId`.
- [] Central error middleware exists; unhandled exceptions do not crash the process for malformed requests.
- [] `/my-costs` (or equivalent billing/admin endpoints) require explicit admin permission.
- [] WebSocket endpoint requires auth handshake and rejects unauthenticated messages.
- [] Package/version is read once at startup (no per-request filesystem reads).
- [] Basic rate limits exist for auth and command endpoints.

M2 — Modular Boundaries + Validation

- [] `routes/account/index.mjs` is split into thin routes + services + repositories.
- [] Zod (or equivalent) validation is applied to all command inputs.
- [] At least 10 contract tests cover the highest-traffic endpoints.
- [] OpenAPI spec exists and is kept in sync with the routes.

M3 — Receipts + Signing (Concord-style)

- [] Canonical receipts are written append-only to Spaces; no overwrites of historical receipts.
- [] Each receipt includes `prevHash`, `hash`, and an ECDSA P-256 signature.
- [] Server verifies `prevHash` continuity before accepting a new receipt (per stream).
- [] Signatures are produced by Vault Transit and keys are non-exportable by default.
- [] A verifier can replay receipts and validate hash chain + signatures from public keys.
- [] Idempotency-Key prevents duplicate receipts on retried commands.

M4 — Projection & Replay

- [] Postgres projection can be rebuilt from receipts via a CLI/job with no manual edits.
- [] Rebuild produces identical projections when rerun on the same receipt set.
- [] Snapshots (optional) speed replay and are rebuildable from receipts.

Operational

- [] Health endpoints cover Postgres connectivity, Spaces access, and Vault Transit access.
- [] Metrics include request counts, latencies, error rates, and signing failures.
- [] K8s manifests exist for API, Vault, and projector job (dev/staging).