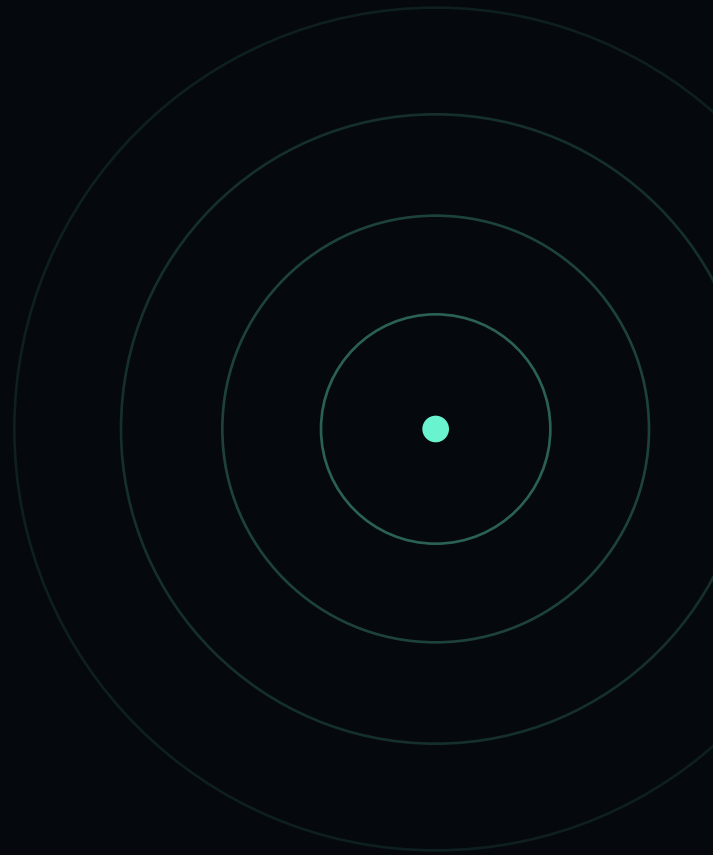


Executable Authority

Exact bytes authorize.
Atomic domains commit.



THE EXECUTABLE AUTHORITY RELEASE

RELEASE DATE / 2026-07-19

FIRST ADMISSION ONLY / THEN APPEND FOREVER

RELEASE DECLARATION

The authority hierarchy is executable.

Receiz v112.0.0 turns the artifact authority hierarchy into an exact SDK and MCP execution path. Exact verified bytes remain primary; every admission, plan, capability, staged candidate, atomic commit, and receipt stays in its proper place beneath artifact truth.



- Exact bytes
- Verified evidence
- Bound capability
- Atomic acceptance

THE RELEASE

What changed at v112

The public developer surface now exports executable artifact transition rails, a recursively frozen current registry, identity-key capability signing, an asynchronous admission engine, and a durable browser admission ledger.

57 constitutional laws

10 new artifact laws

Five typed MCP tools

Three confirming visual captures

- 57 constitutional laws
- Five typed MCP tools

- 10 new artifact laws
- Three confirming visual captures

EXECUTION ORDER

One directional authority chain.

Artifact truth is verified before profile admission. Verified actor and history evidence enter a portable transition. The plan binds coordination facts. Capability authorizes the exact plan. Neutral staging preserves bytes. Independent commit advances one domain.



● Artifact

● Admission

● Evidence

● Plan

● Capability

● Commit

TRUTH HIERARCHY

Stronger truth remains above execution.

Executable rails do not move authority into storage, receipts, sessions, MCP responses, or UI state. The registry is executable law, but its payload explicitly records that sealed Receiz proof objects remain stronger truth.



● Sealed artifact truth

● Runtime custody

● Receipt / projection

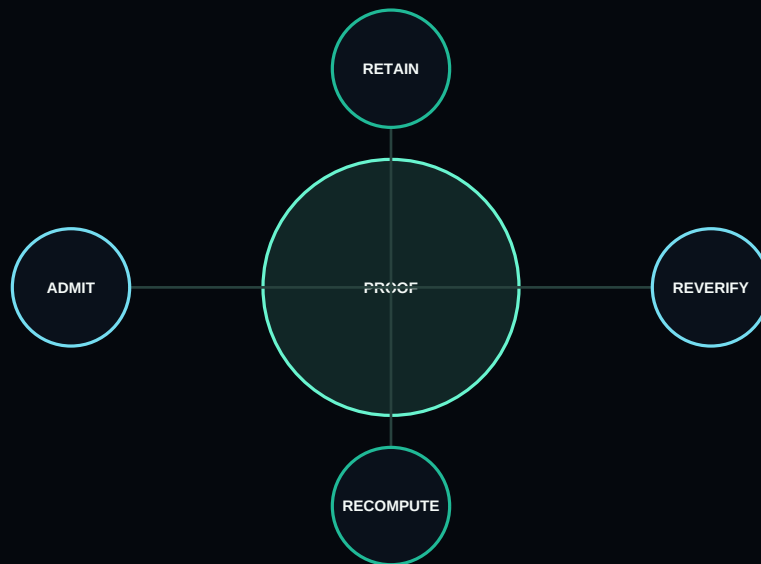
● Verified exact bytes

● Atomic domain state

EXACT BYTES

Artifact truth begins with exact bytes.

Verification retains the supplied sealed artifact bytes and canonically rechecks their proof suite, payload, continuity bindings, and enclosing object. No property bag, projection, digest claim, or reconstructed object can substitute for the artifact.



● Retain

● Reverify

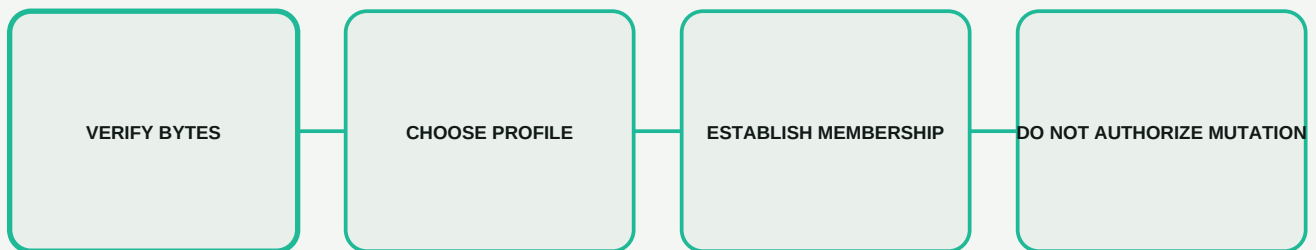
● Recompute

● Admit

SEPARATION

Verification is not admission.

Verification establishes artifact truth. Admission establishes membership in an explicit identity, portable-state, or document profile. Neither step grants current operation authority; append still requires the v112 plan, verified capability, and atomic commitment boundary.



● Verify bytes

● Establish membership

● Choose profile

● Do not authorize mutation

PROFILE ADMISSION

Admission is eligibility, not authority.

ARTIFACT-021 rejects admission that claims current-domain authority or operation authorization. Admission basis is independently recomputed from canonical exact-byte verification under a supported v112 profile.



IDENTITY PROFILE



PORTABLE-STATE PROFILE



DOCUMENT PROFILE



NO MUTATION AUTHORITY

● Identity profile

● Portable-state profile

● Document profile

● No mutation authority

VERIFIED ACTOR

Actor evidence stays in runtime custody.

The planner accepts actor evidence derived from verified identity admission. A visible actor ID, receipt actor, command-supplied key, JSON clone, or structurally similar object cannot manufacture the runtime-custodied actor primitive.



● Identity admission

● Runtime custody

● Verified actor

● Plan binding

VERIFIED HISTORY

Predecessor truth is independently verified.

Planning begins from runtime-custodied verified proof history with one sole verified head. Candidate history cannot create authority, and committed history is later derived from the exact accepted artifact rather than a plan, receipt, store event, or caller report.



● Evidence roots

● Single verified head

● Governed append node

● Accepted artifact history

PORTABLE TRANSITION

Successor meaning has its own identity.

The portable transition digest identifies predecessor, governed append, proposed successor, namespace change, and successor meaning. It deliberately excludes retry identity, commit domain, and external effects so the transition remains portable.



● Predecessor

● Successor

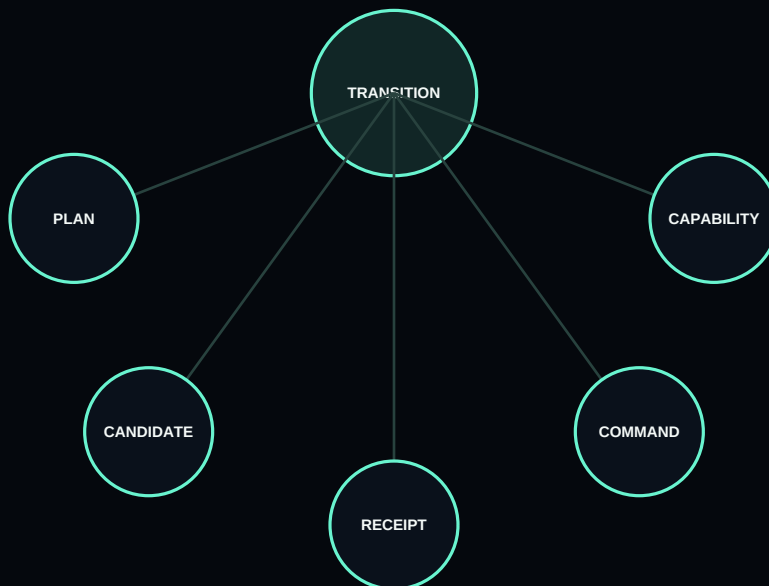
● Append node

● Portable digest

TYPED DIGESTS

Digest domains are not interchangeable.

ARTIFACT-022 requires domain-typed v112 digests. Transition, plan, capability, candidate, command, receipt, and registry identities each bind a distinct meaning. A naked hash cannot cross those authority boundaries.



● Transition

● Plan

● Capability

● Candidate

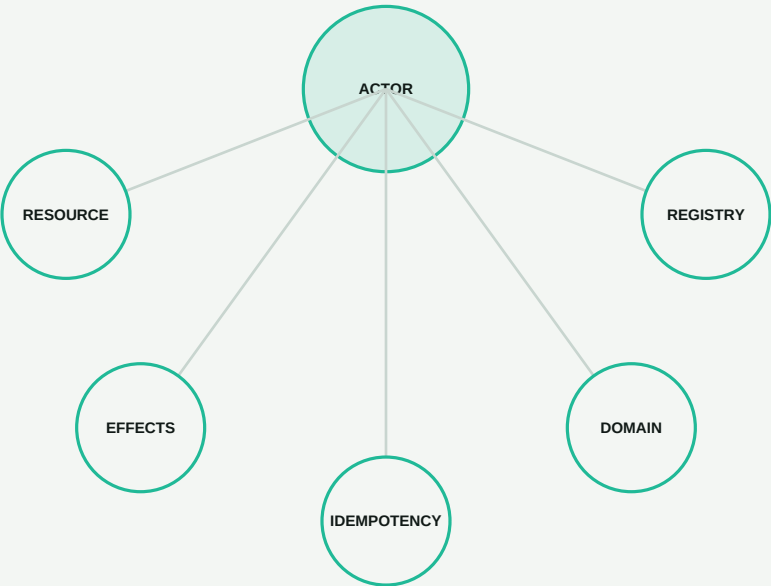
● Command

● Receipt

OPERATION PLAN

The plan binds the complete operation.

The SDK-issued plan binds actor, tenant, resource, canonical registry, derived effects, expected head, commit domain, idempotency identity, and portable transition. It coordinates authority inputs without becoming artifact truth.



● Actor

● Registry

● Domain

● Resource

● Effects

● Idempotency

DERIVED EFFECTS

Callers cannot expand effects.

Append effects originate from registry-authorized operation law. The plan records those derived effects, and capability maximum effects must cover them exactly. Caller-supplied effects cannot add publication, ownership, audit, or outbox authority.



● Registry operation

● Authorized reducer

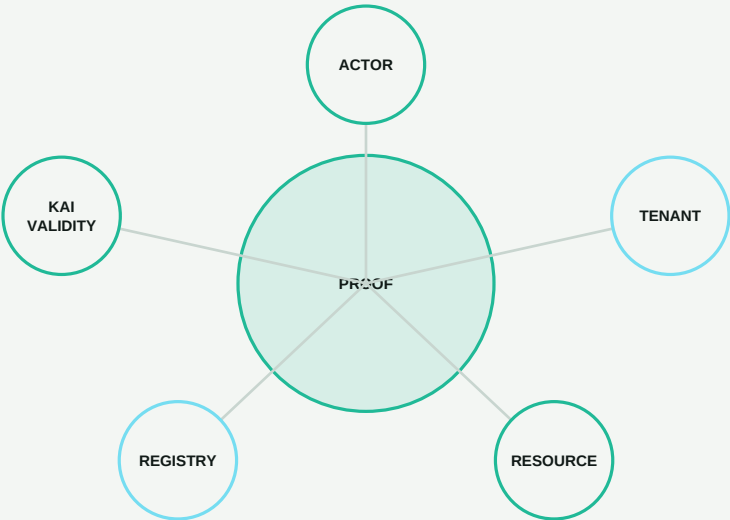
● Derived effects

● Capability ceiling

VERIFIED CAPABILITY

Capability authorizes one exact plan.

ARTIFACT-023 binds capability to tenant, verified actor, operation, resource, registry, derived effects, Kai validity, algorithm, key, revocation state, plan digest, and commit domain. Missing or mismatched constraints fail closed.



- Actor
- Resource
- Kai validity

- Tenant
- Registry
- Plan digest

IDENTITY SEALS

Identity keys sign capability payloads.

The v112 SDK supports Ed25519 and P-256 identity-key capability signing. Issuer algorithm and key must resolve from admitted identity truth, and trusted revocation status must verify; a command-supplied public key creates no authority.



● Ed25519

● P-256

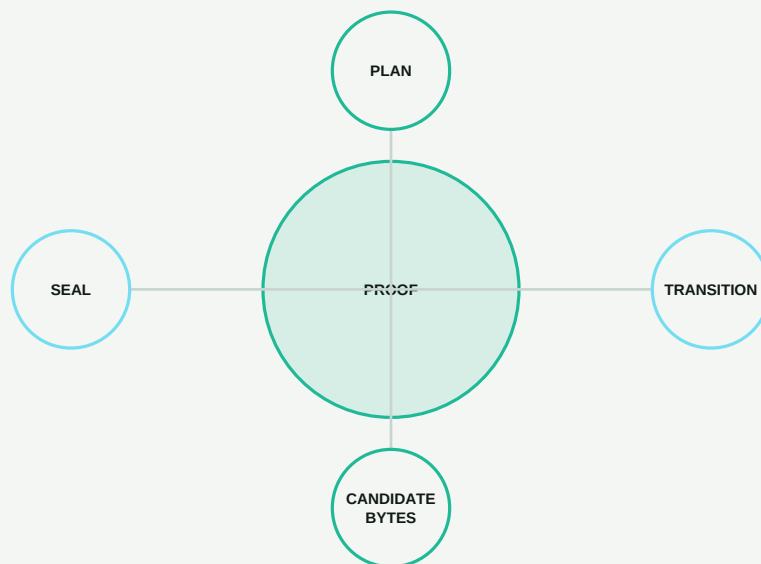
● Admitted issuer

● Revocation check

SEALED CANDIDATE

The candidate proves its own bytes.

Sealing produces a successor proof object whose exact bytes bind the plan and portable transition. An uncommitted candidate is a sealed proof object, but it is not an accepted head and cannot claim committed state.



● Plan

● Candidate bytes

● Transition

● Seal

NEUTRAL STAGING

Staging preserves bytes without accepting them.

ARTIFACT-025 requires exact private candidate bytes to be durably stored by domain and digest. Staging is neutral: it cannot advance a head, publish, transfer ownership, emit authoritative effects, or create acceptance.



● Exact bytes

● Domain + digest

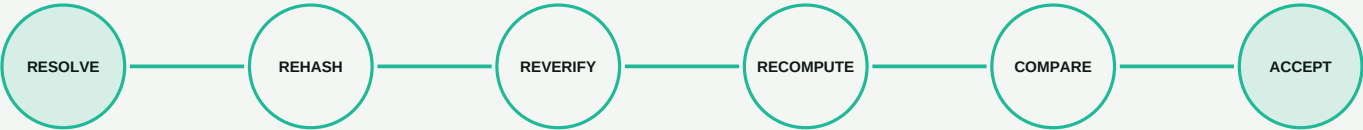
● Immutable locator

● No head advance

INDEPENDENT COMMIT

The store resolves and reverifies.

Commit independently resolves staged bytes, rehashes them, canonically reverifies the artifact, and recomputes the transition. Caller bytes, asserted digests, plan data, candidate references, and receipts cannot substitute for that independent resolution.



- **Resolve**

- **Reverify**

- **Compare**

- **Rehash**

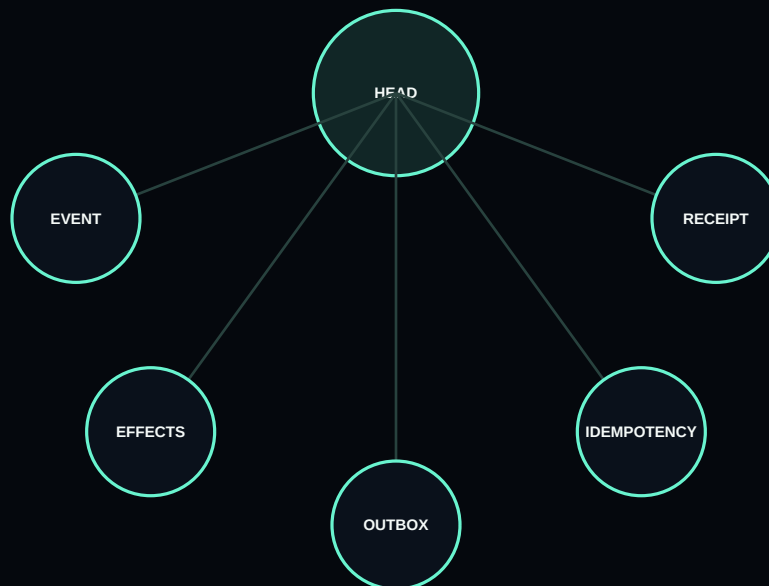
- **Recompute**

- **Accept**

ATOMIC ACCEPTANCE

One named domain advances atomically.

ARTIFACT-026 binds the named commit domain through plan, capability, command, result, and receipt. Head, event, receipt, effects, idempotency, audit, and outbox state advance as one atomic unit or not at all.



● Head

● Receipt

● Idempotency

● Event

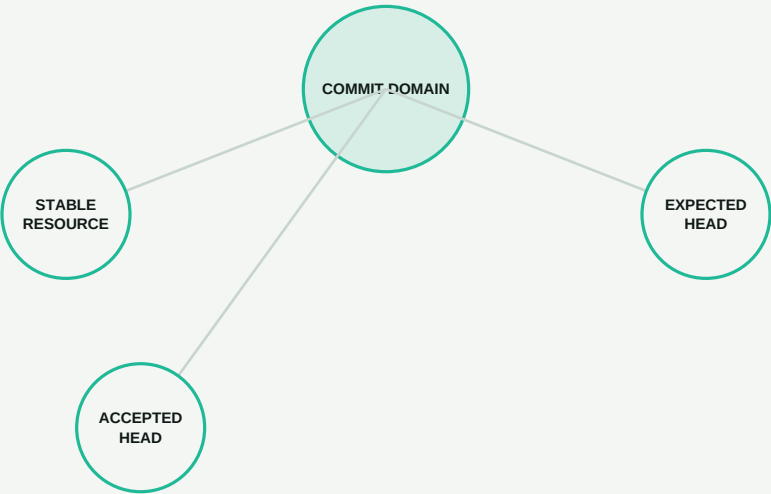
● Effects

● Outbox

COMMIT DOMAIN

Domain and stable resource name the head.

The accepted-head key uses the canonical commit domain and stable artifact resource. Store-local identifiers, historical receipts, candidate records, and lookalike result shapes cannot establish the domain or its accepted head.



● Commit domain

● Expected head

● Stable resource

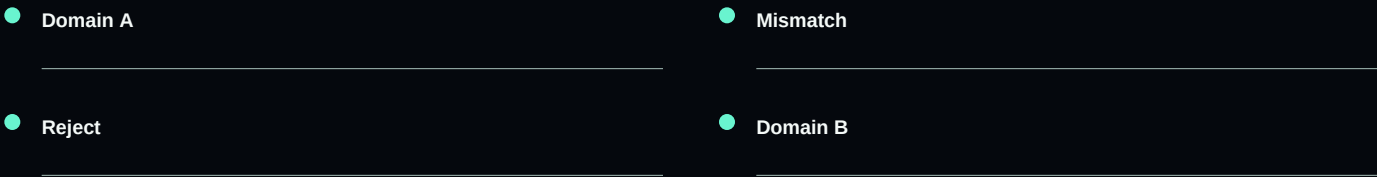
● Accepted head

DOMAIN MISMATCH

Cross-domain authority fails first.

ARTIFACT-027 returns COMMIT_DOMAIN_MISMATCH before any idempotency lookup when the input domain differs from the store domain. A plan, capability, command, receipt, or accepted result from domain A cannot operate in domain B.

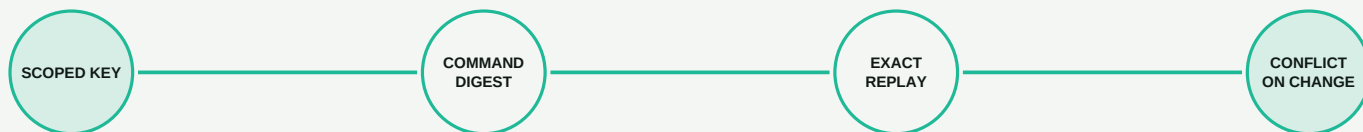
- ✗ DOMAIN A
- ✗ MISMATCH
- ✗ REJECT
- ✗ DOMAIN B



IDEMPOTENCY

Retries cannot replace staged truth.

Within one domain, an identical scoped command returns the original accepted result and staged bytes. Reusing that key for a different command returns IDEMPOTENCY_CONFLICT. Separately authorized domains may use the same raw caller key without collision.



● Scoped key

● Exact replay

● Command digest

● Conflict on change

REPORTING RECEIPT

The receipt reports; it never authorizes.

ARTIFACT-029 reports the accepted artifact, transition, actor reference, history, effects, and head. The actor is reported evidence without runtime identity custody. Neither receipt nor actor can satisfy planner, capability, or commit inputs.

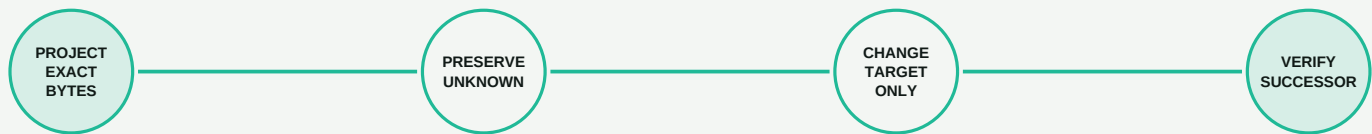


☐ Accepted artifact	☐ Reported actor
☐ History	☐ Effects
☐ Head	☐ No authority

NAMESPACE CONTINUITY

Unknown namespaces survive unchanged.

Namespace preservation is mandatory across projection and transition. Unrecognized namespaces remain byte-identical so a current reducer cannot erase history or meaning it does not understand.



● Project exact bytes

● Change target only

● Preserve unknown

● Verify successor

AUTHORIZED REDUCERS

Known namespace changes follow registry law.

A target namespace evolves only through a reducer registered to the applicable law and version. Reducers interpret governed state transitions; they do not gain permission to rewrite unrelated namespaces or expand derived effects.



● Registry law

● Reducer version

● Target namespace

● Preserved remainder

COMMITTED HISTORY

Accepted bytes determine committed history.

ARTIFACT-024 requires the commit result to derive history from the exact independently accepted artifact. Store events, caller state, plans, receipts, and candidate reports remain coordination or evidence beneath the sealed successor.



● Accepted bytes

● Derive head

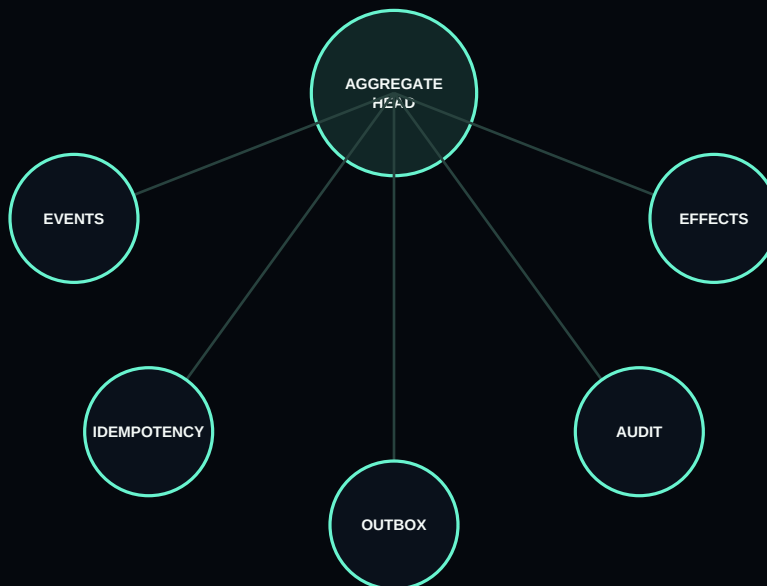
● Verify append

● Record domain state

BROWSER LEDGER

Durable local admission truth is not cache.

The IndexedDB-backed admission ledger atomically coordinates aggregate head, events, receipt, effects, idempotency, audit, and outbox. Its durable local admission state survives reload and remains subordinate to artifact truth.



● Aggregate head

● Events

● Effects

● Idempotency

● Audit

● Outbox

LEDGER BOUNDARY

The browser store holds no proof bytes.

The ledger stores neither proof objects nor sealed artifact bytes. It is not artifact custody, a cache, remote authority, or a reason to refetch known proof. This separation protects both the stronger truth hierarchy and deterministic first paint.



NO PROOF OBJECTS



NO SEALED BYTES



NO REMOTE AUTHORITY



NO LOADING GATE



No proof objects



No sealed bytes



No remote authority



No loading gate

FIRST PAINT

Known artifact truth paints first.

Browser ledger work occurs after deterministic first paint. IndexedDB, session lookup, server state, remote synchronization, or admission coordination cannot block, erase, remount, or redefine a settled proof, ownership, market, or public witness surface.



● Known artifact

● Immediate paint

● Settled hierarchy

● Background coordination

ASYNC ADMISSION

Durability is awaited, never shadowed.

The admission engine supports asynchronous stores and awaits durable coordination. Fire-and-forget writes, swallowed persistence failures, and shadow sync cannot report accepted state before the named atomic boundary succeeds.



- **Await store**

- **Structured result**

- **Atomic transaction**

- **No shadow write**

PROCESS BOUNDARY

Only exact bytes cross as authority input.

ARTIFACT-030 rejects structural clones, property bags, prototypes, copied symbols, casts, database reconstruction, and RPC or MCP response shapes. Across a process boundary, exact artifact bytes must be reverified and readmitted into fresh runtime custody.



● Transport bytes

● Reverify

● Readmit

● Reacquire custody

V111 COMPATIBILITY

Historical exact bytes remain proof.

A supported v111 artifact may be reverified without changing one byte and admitted under a current profile. Readmission creates new v112 runtime objects and authority digests; it never rewrites historical provenance, claims, timestamps, or registry evidence.



● Preserve bytes

● Readmit profile

● Verify suite

● Create v112 custody

HISTORICAL CONTAINMENT

Old runtime objects cannot mutate v112.

V111 admissions, capabilities, plans, confirmations, receipts, normalized histories, store identifiers, candidate records, and accepted-head references remain historical evidence or coordination. None carries current v112 operation authority.



HISTORICAL ADMISSION



HISTORICAL PLAN



HISTORICAL CAPABILITY



HISTORICAL RECEIPT



NO CURRENT MUTATION

Historical admission

Historical plan

Historical capability

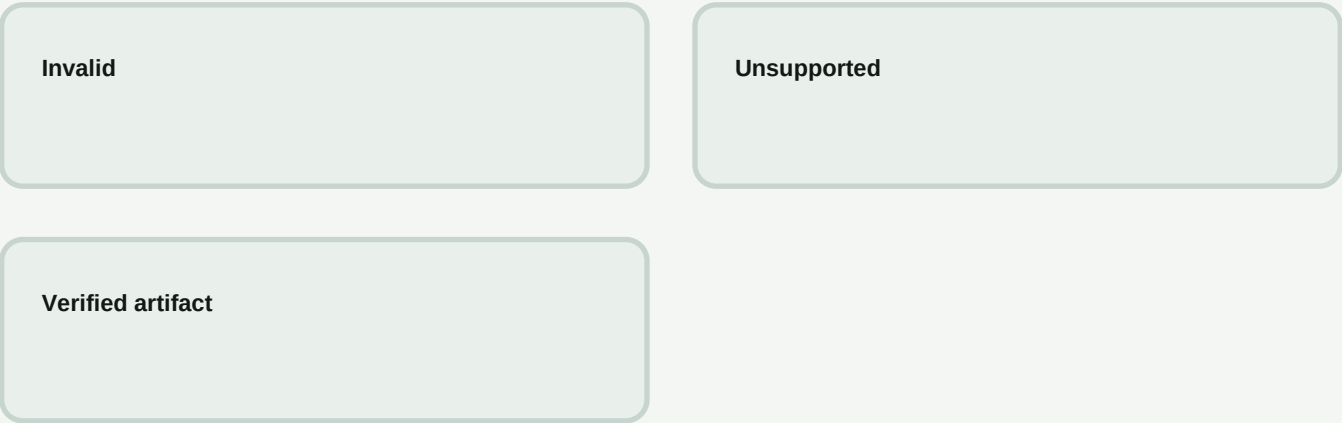
Historical receipt

No current mutation

VERIFICATION RESULTS

Unsupported is not valid.

The current verifier distinguishes invalid, unsupported, and verified-artifact outcomes. Bounded structural detection may preserve transport material as unsupported, but it cannot claim artifact validity or create admission.



- Invalid
- Unsupported
- Verified artifact

MCP INVENTORY

Five typed tools coordinate transitions.

The current MCP inventory exposes only the five typed v112 artifact transition tools. Generic mutation is denied. MCP coordinates exact SDK primitives beneath the sealed artifact and never becomes proof, identity, history, capability, or commit authority.



● Plan

● Seal

● Stage

● Commit

● Inspect

MCP CONTAINMENT

Coordination cannot cross the custody boundary.

MCP responses are serialized coordination records. They cannot preserve module-private custody, upgrade property bags, import v111 runtime authority, or let a receipt flow back into authoritative SDK inputs.

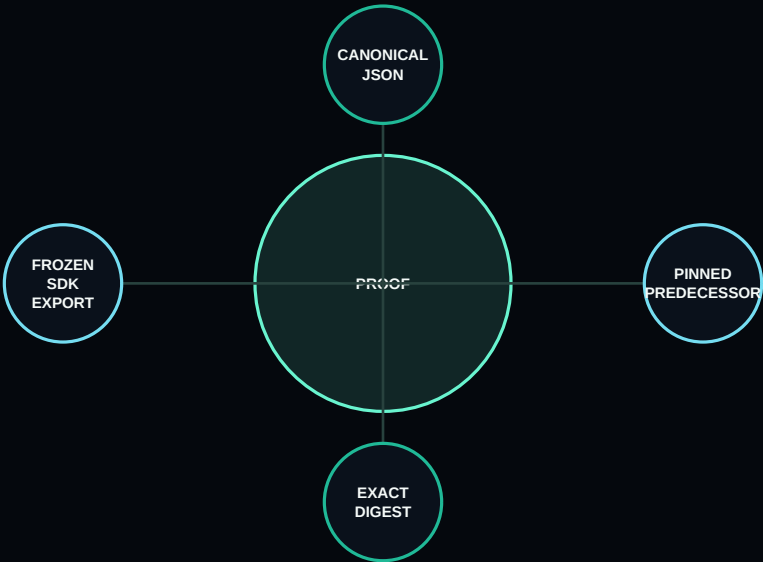


- | | |
|---|---|
| <ul style="list-style-type: none">● Typed request <hr/> | <ul style="list-style-type: none">● SDK operation <hr/> |
| <ul style="list-style-type: none">● Serialized response <hr/> | <ul style="list-style-type: none">● No authority return <hr/> |

REGISTRY LOCK

Executable law has one pinned identity.

The deterministic unsigned v112 registry contains 57 laws, effective Kai 13192000, and predecessor digest cf02d0...359a. Its canonical SHA-256 is 1356f812...146ee and the generated SDK export recursively freezes that exact law.



● Canonical JSON

● Pinned predecessor

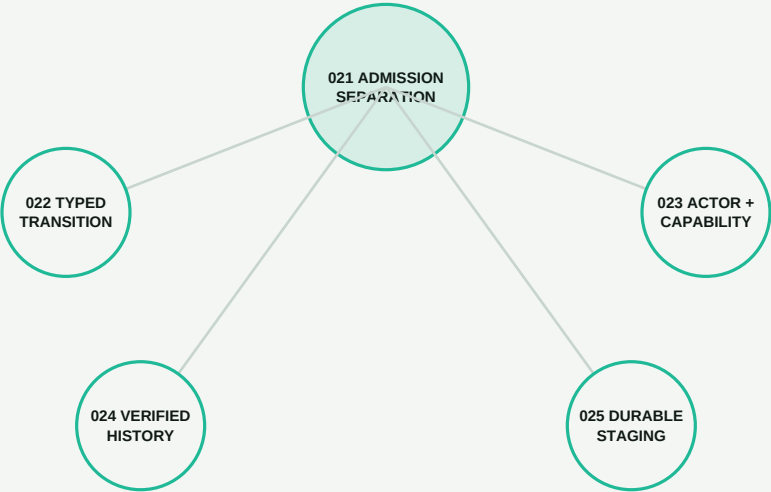
● Exact digest

● Frozen SDK export

LAWS 021-025

Admission through independent resolution.

The first five new artifact laws separate admission from authority, type transition meaning, require verified actor and capability, bind verified history, and require durable neutral staging plus independent resolution.



- 021 Admission separation

- 023 Actor + capability

- 025 Durable staging

- 022 Typed transition

- 024 Verified history

LAWS 026-030

Atomic domains through fresh custody.

The next five laws require named-domain atomic acceptance, reject domain mismatch, distinguish idempotency conflict, keep receipts reporting-only, and require fresh runtime custody plus process-boundary readmission.



● 026 Atomic acceptance

● 028 Idempotency conflict

● 030 Fresh custody

● 027 Domain mismatch

● 029 Receipt reports

PACKED DISTRIBUTION

The package carries the same executable law.

Clean-room consumers load the frozen registry and compose the admission engine, browser store, and identity capability surfaces from packed tarballs without repository-relative filesystem reads. SDK, MCP server, and AI skills align at 112.0.0.



● Pack

● Load registry

● Install cleanly

● Compose rails

PRODUCT BOUNDARY

No product route or migration was added.

V112 changes the public developer authority surface without adding a Receiz.com HTTP product route or database migration. End-user product workflows, routing, page hierarchy, media, and service-worker behavior remain unchanged.



NO HTTP ROUTE



NO DB MIGRATION



NO WORKFLOW CHANGE



VERSION IDENTITY ONLY

● No HTTP route

● No DB migration

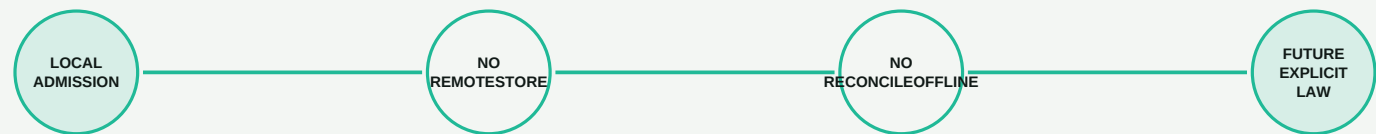
● No workflow change

● Version identity only

DEFERRED SCOPE

Remote global admission remains outside v112.0.

Remote global admission and offline-to-global reconciliation are deliberately absent. The browser ledger does not claim global server, session, token, or reconciliation authority, and no partial remote rail is presented as complete.



- | | |
|---|---|
| <ul style="list-style-type: none">● Local admission <hr/> | <ul style="list-style-type: none">● No remoteStore <hr/> |
| <ul style="list-style-type: none">● No reconcileOffline <hr/> | <ul style="list-style-type: none">● Future explicit law <hr/> |

RELEASE GATES

The full release freeze passed.

Focused v112 tests, v111 compatibility, package release contracts, doctrine contracts, production build, performance budgets, security and chaos checks, governance controls, and visual non-regression evidence passed on 2026-07-19.



● Release freeze

● Governance controls

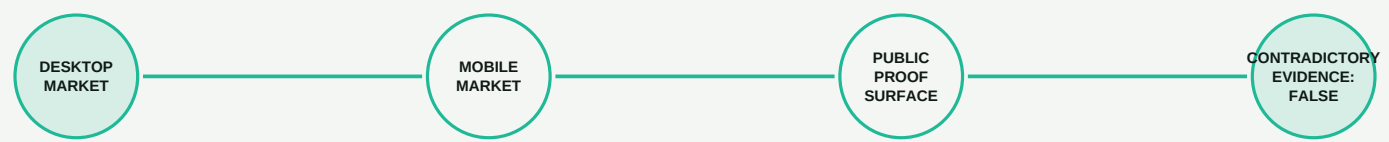
● Package qualification

● Visual evidence

VISUAL EVIDENCE

Settled product surfaces confirm the release.

Three loopback Playwright captures from a production build report zero console errors and no contradictory evidence. They confirm deterministic Market first paint, mobile continuity, and the canonical public identity and proof surface.



- Desktop Market
- Public proof surface

- Mobile Market
- Contradictory evidence: false

MARKET EVIDENCE

Desktop Market remains settled.

The recorded desktop capture confirms the deterministic market proof bundle paints without loading theater, proof inspection and ownership affordances remain direct, and hierarchy and media remain settled.

RECORDED EVIDENCE

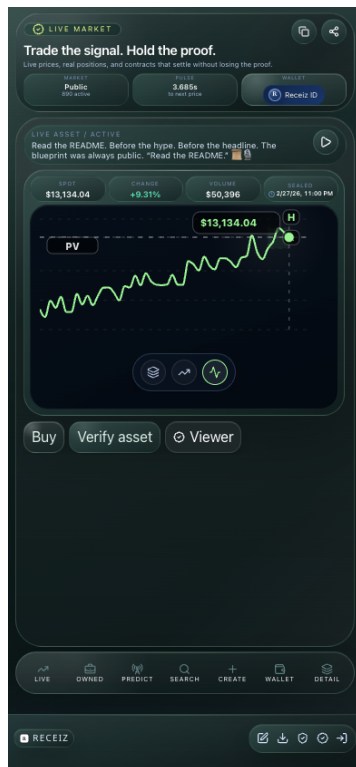
- Surface: deterministic market proof object
- Viewport: 1280 px
- SHA-256: 857fa24e993d50ef...
- market proof bundle paints without loading theater
- proof inspection and ownership affordances remain direct
- desktop hierarchy and media remain settled
- 1280 px viewport
- Production build



MOBILE EVIDENCE

Mobile Market preserves first paint.

The recorded mobile capture confirms first-paint continuity, legible market proof and action hierarchy, and no replacement of stronger artifact truth by session or server state.



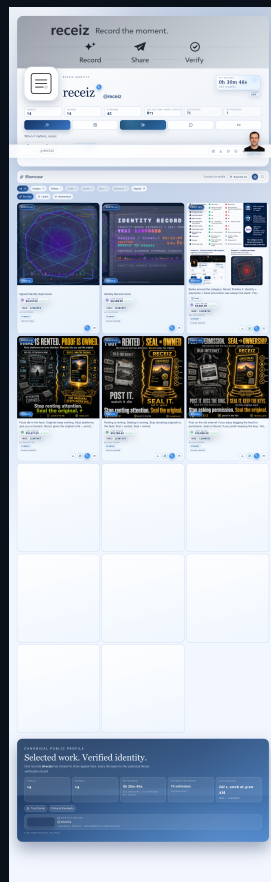
RECORDED EVIDENCE

- Surface: deterministic mobile market proof object
- Viewport: 390 px
- SHA-256: ce01dc9d1ad0502a...
- mobile first-paint continuity
- market proof and action hierarchy remain legible
- no stronger artifact truth is replaced by session or server state
- 390 px viewport
- Deterministic proof object

PUBLIC PROOF EVIDENCE

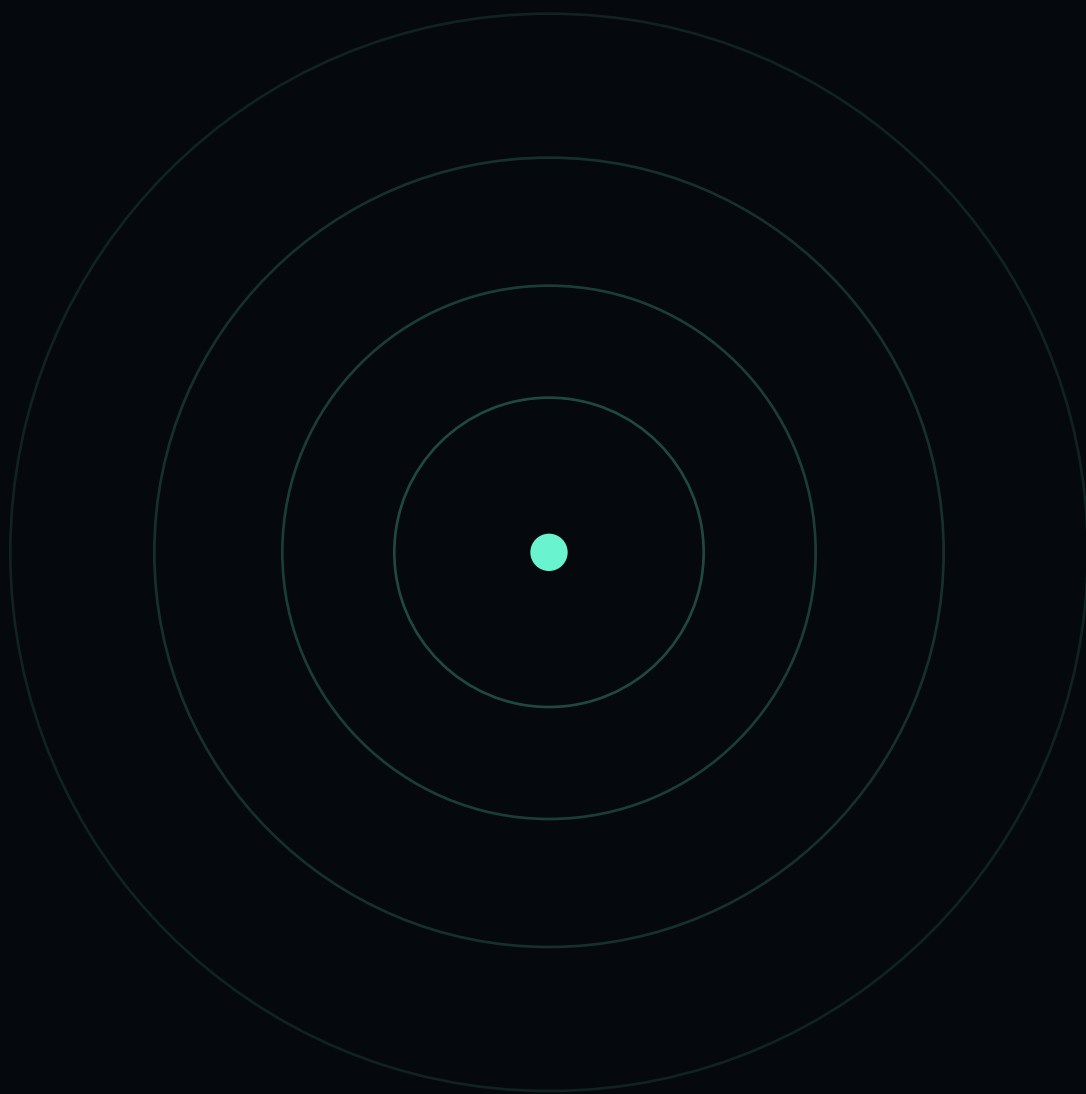
Canonical identity remains direct.

The recorded @receiz profile capture confirms canonical identity, verified showcase media, proof actions, and settled public proof surface hierarchy across the full desktop page.



RECORDED EVIDENCE

- Surface: canonical @receiz public identity and proof surface
- Viewport: 1280 px
- SHA-256: 9aa00020d16bfe5a...
- canonical @receiz identity remains direct
- verified showcase media and proof actions remain present
- public proof surface hierarchy remains settled
- Canonical @receiz identity
- Verified showcase media



Artifact truth authorizes. Atomic acceptance commits.

Admission qualifies. Plans bind. Capabilities authorize. Receipts report.

RECEIZ / v112.0.0 / EXECUTABLE AUTHORITY

EXACT BYTES / VERIFIED EVIDENCE / NAMED DOMAIN / ATOMIC ACCEPTANCE