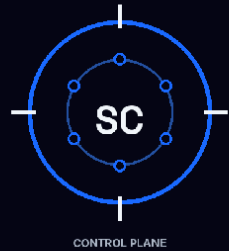


SESSION CUSTODY

EXPLAINER SERIES



PRINCIPLE EXPLAINER

Reconstruct: Turning Autonomous Work into Institutional Memory

Evidence-of-record from objective and authority through attempt and actual outcome.

GOVERN • CONTROL • ENFORCE



GOVERN THE SESSION, NOT THE REQUEST.

sessioncustody.ai

Publication Edition | Explainer 12 | April 30, 2026

EXPLAINER 12 | APRIL 30, 2026 | RECONSTRUCT

Reconstruct: Turning Autonomous Work into Institutional Memory

Evidence-of-record from objective and authority through attempt and actual outcome.

From Events to Decisions

Enterprise systems already generate logs, traces, tickets, metrics, alerts, and records. After an autonomous workflow completes, those fragments can still fail to answer the governing question: why was this action allowed or denied, under which current authority, through what enforcement path, and with what actual result?

Reconstruction preserves the causal relationship among objective, authority, decision, enforcement, attempt, and outcome. It is not a claim that one platform must copy every business payload or replace existing evidence destinations. The control plane preserves the minimum decision-binding state and links to native records where appropriate.

Authorization is not execution. An enforcement acknowledgment is not a target commitment. Reconstruction keeps those events separate and connected.

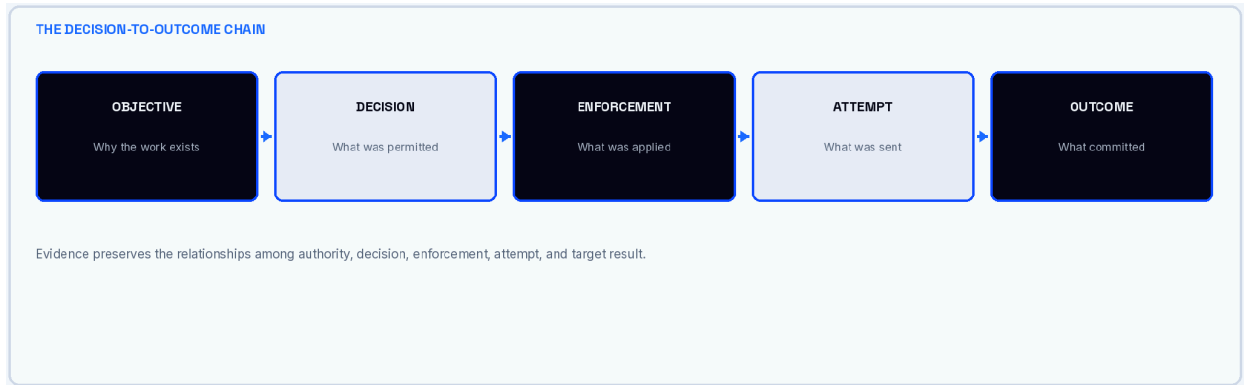


Figure 1. Reconstruction links the governing rationale to the operational outcome without treating an authorization or acknowledgment as proof of commitment.

Evidence-of-Record

For a covered consequential action, evidence-of-record binds the session objective and accountable identities to the maintained policy lineage, current effective-policy fingerprint, approvals and exceptions, delegation and revocation state, proposed action, decision and rationale, projected constraints, execution attempt, and reported target outcome.

Evidence class	Representative content	Control value
Authority	Agent, owner, objective, policy lineage, fingerprint, approvals, exceptions, delegation, and revocation state	Explains why the session could seek the action.
Decision	Proposed action, current snapshot binding, result, constraints, rationale, and validity	Explains what was permitted or rejected and under which state.

Evidence class	Representative content	Control value
Enforcement	Projected constraint, covered path, adapter identity, acknowledgment, and current-state validation	Explains what local control was applied before the attempt.
Attempt	Action digest, target, parameters, timing, retry identity, and execution response	Distinguishes intended and attempted behavior.
Outcome	Target commit, rejection, failure, compensation, reconciliation, or unknown state	Establishes operational truth and informs the next governed step.

Beyond Ordinary Observability

Observability explains events and system behavior. Evidence-of-record explains the authority and decision relationships that made those events governable. The two are complementary. A trace can identify a tool invocation; the governance record connects that invocation to objective, policy state, approval scope, delegated authority, current-state validation, and accountability.

Outcome confidence also matters. A target-local adapter may confirm a commit, rejection, or compensation. In other cases the result may remain unknown and require reconciliation. The record should preserve that uncertainty rather than infer success from an allow decision or client-side response.

Evidence Affects Continuing Control

Reconstruction is not only retrospective. If an action fails, partially completes, commits after a timeout, or remains uncertain, the next step depends on the reconciled outcome. A retry can be safe, duplicative, or prohibited depending on target state. The control plane can authorize refresh, idempotent retry, compensation, containment, escalation, or human remediation using the current evidence and policy.

Institutional Memory Without Self-Authorization

Completed sessions can reveal recurring exception patterns, weak delegation boundaries, uneconomic retries, missing enforcement coverage, and evidence gaps. Those observations can inform policy recommendations and operating improvements. They do not become authority automatically. A governed review and promotion process is required before a recommendation changes applicable policy.

Reconstruct turns autonomous execution into reviewable institutional memory while preserving the difference between learning from prior sessions and authorizing future work.

OPERATING BOUNDARY

These explainers describe the Session Custody product and category at a conceptual and operational level. Coverage depends on supported sources, configured mappings, authenticated integrations, and declared enforcement paths. The architecture does not assume a universal policy language, permanent authorization, human approval for every action, or replacement of the systems that own native enterprise facts and outcomes.