Dweve
Weaving Intelligence

ENGLISH EDITION · JULY 2026

MARKETING BROCHURE · 16 PAGES

Proof, trace, and accountable outcomes

Keep the source, rule, owner, and review path close to the result.

VISUAL BRIEFING

ASSURANCE, GOVERNANCE, AUDIT, AND PRODUCT TEAMS

ENGLISH

See what a useful evidence record should help you answer later.

M06

THE PROPOSITION

The answer and its record

Logs record what happened. A trace records why: the source, the rule applied, the owner, and a replay path, in one signed artefact you can hand to a regulator.

How to read this visual: follow a result with receipts through the proposition.

DECISION

Read the promise against the operating reality

Logs record what happened. A trace records why: the source, the rule applied, the owner, and a replay path, in one signed artefact you can hand to a regulator.

When an AI decision reaches a regulator, a patient, or a safety case, someone asks: show your work. Logs do not answer that question. Post hoc explanations merely ask you to trust another account from the same system. AION produces a proof certificate that any verifier can check offline, in linear time, without asking the solver. Eleven logical theories, a CDCL core with exact rational arithmetic, and proof export in standard formats make the reasoning inside one decision inspectable. Ledger records what happened across a system; AION certifies the reasoning inside one decision.

- Source
- Rule
- Owner
- Action

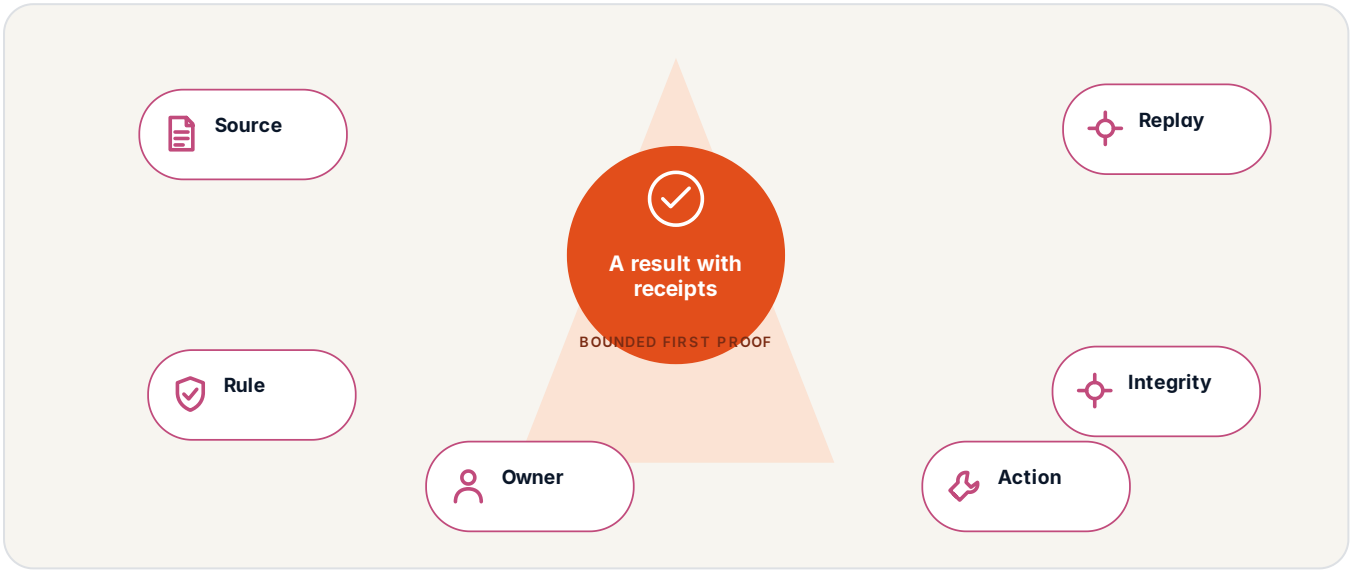
QUESTION TO CARRY

Which part of this proposition changes the outcome people receive today?

USE AND FIT

Where this proposition can earn its place

Start with responsibilities that have a real owner, useful sources, and a consequence worth improving.



How to read this visual: follow a result with receipts through use and fit.

MECHANISM

Separate useful scope from attractive distraction

The trace still records inputs, operations, and policy decisions, but does not pin every sampling choice to a fixed result. Useful for development and exploratory work where the audit record matters more than exact reproduction.

A real trace verifies offline. You do not have to trust us to check it; you do not have to keep an account active to keep your records valid. Take the trace file, run the open-source verifier on your laptop, and you have your proof. We could disappear and the trace would still verify.

- Source
- Rule
- Owner
- Action

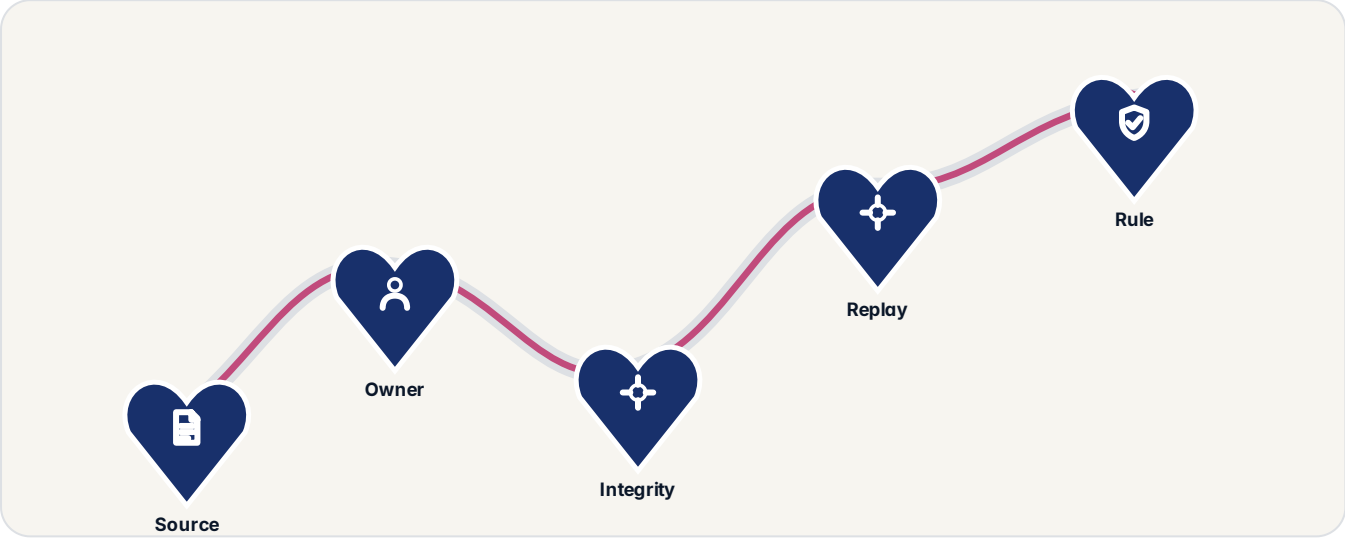
QUESTION TO CARRY

Where does this earn a place, and where should it deliberately not be used?

THE PATH

From first question to an informed decision

A focused engagement should make the next decision easier, not create a larger promise.



How to read this visual: follow a result with receipts through the path.

WHY THIS SHAPE WORKS

The workflow, operating boundary, evidence, and decision criteria are considered together from the start.

DECISION

Make every stage earn the next one

Every decision Dweve makes, every output Loom generates, every action Nexus takes, every fact Spindle ingests, leaves a content-addressed proof trace. The trace is cryptographically anchored, digitally signed, and replayable bit-for-bit on any machine. When your DPIA, your DORA incident response, or your internal-audit team asks "how did the model reach that conclusion?", you hand them the trace and they replay it. No screenshots, no approximations.

Every operation, every policy check, every intermediate value, every sampled token is hashed, the hashes are assembled into a Merkle DAG, the root is signed with Ed25519, and the whole thing becomes a single AION proof artefact. Re-execute it on any platform (x86, ARM, RISC-V, WASM) and the output root hash matches or verification fails closed. No floating-point drift in hard mode. No non-deterministic ops in the hot path. The spec is public; the verifier is Apache 2.0.

- Source
- Owner
- Integrity
- Replay

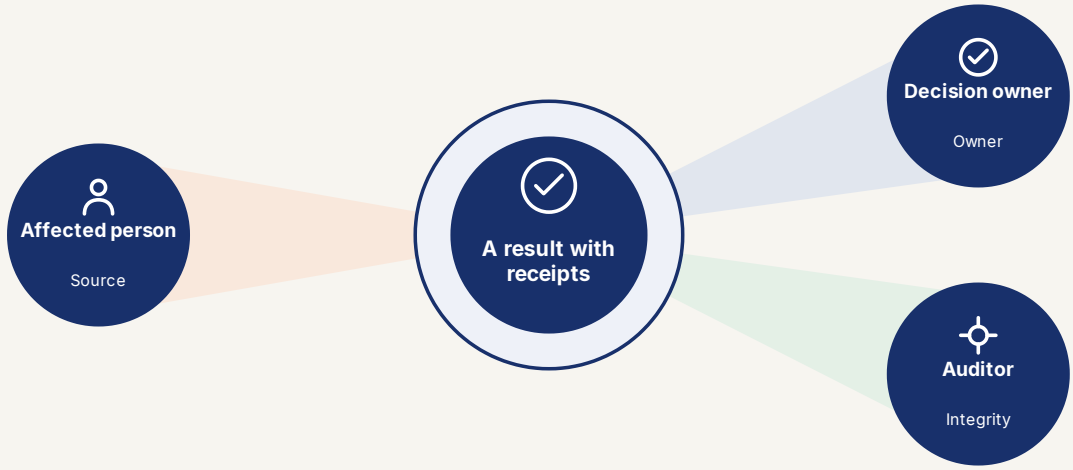
QUESTION TO CARRY

What evidence must exist before the scope is allowed to grow?

THE VALUE PICTURE

One outcome, seen from three responsibilities

Good AI work must make sense to the person using it, the team operating it, and the people reviewing it.



How to read this visual: follow a result with receipts through the value picture.

PRIMARY READER

Assurance, governance, audit, and product teams

The first conversation.

DECISION SUPPORTED

See what a useful evidence record should help you answer later.

The next useful step.

MECHANISM

Read the same outcome from several responsibilities

The root is the single value that commits to every leaf. It is signed with Ed25519 using the issuing node private key. Given the same computation, any two verifiers build the exact same tree shape and the exact same root, so a matching root is proof the whole structure is intact.

Replay re-executes the same operation graph on the same inputs. The mode controls how strictly results must match. The default for regulated work is Hard.

- Source
- Owner
- Integrity
- Rule

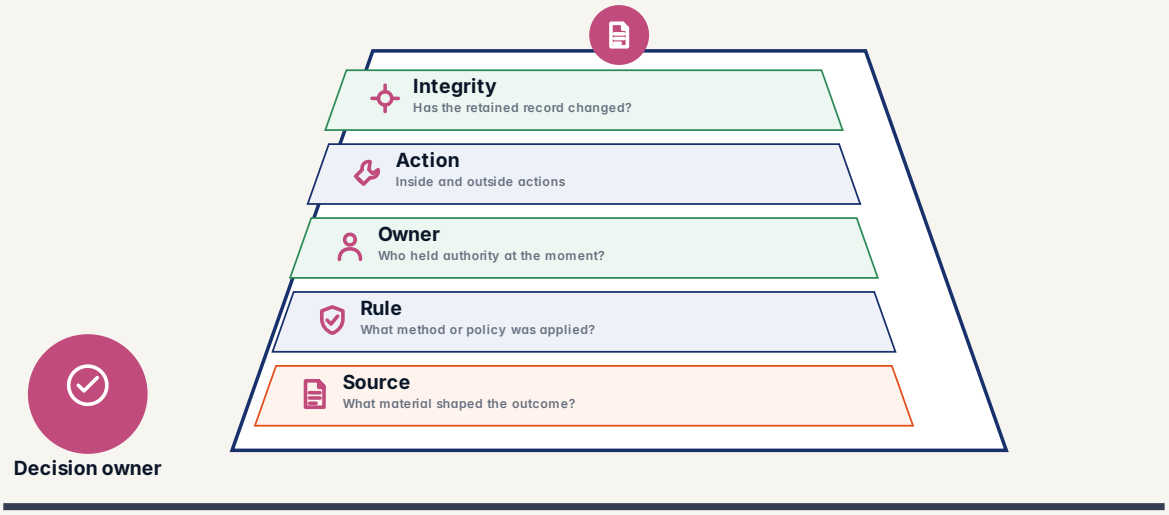
QUESTION TO CARRY

Can the same result satisfy its user, operator, and reviewer?

THE OPERATING MODEL

Control follows the work, from outcome to exit

A credible proposition connects the visible result to the less visible responsibilities underneath it.



How to read this visual: follow a result with receipts through the operating model.

DECISION

Name the controls behind the simple interface

Compare traces from current and prior model versions on the same benchmark set. Every delta is attributable to a specific operation or policy change.

The trace is not a flat list of events. It is a Merkle DAG where every node commits to its children. Leaf nodes cover canonicalised inputs, operation outputs, intermediate values, and policy decisions. Internal nodes pairwise-hash their children in canonical order. The root is signed. Given the same computation, any two verifiers build the exact same tree shape and root hash.

- Source
- Rule
- Owner
- Action

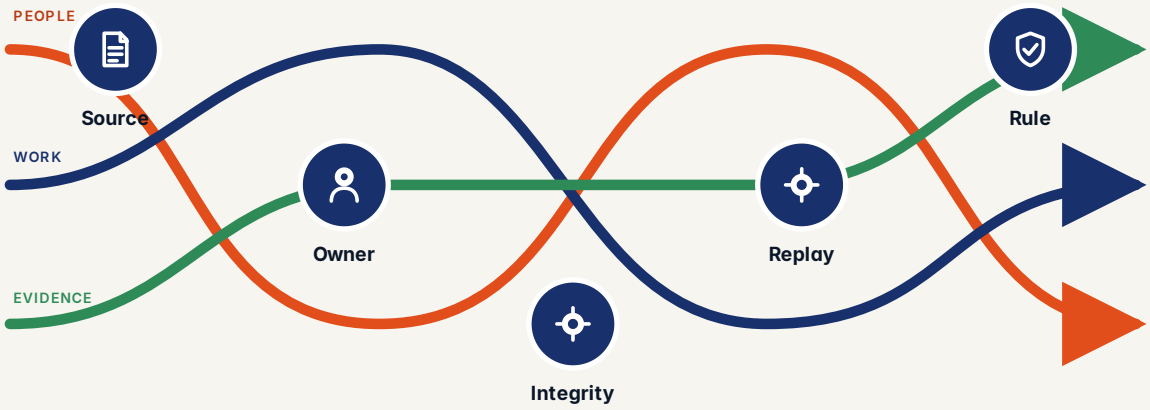
QUESTION TO CARRY

Who owns each control when the interface appears simple?

THE RESPONSIBILITY FLOW

People, platform, and evidence move together

The work becomes easier to govern when each stage leaves a clear hand-off.



How to read this visual: follow a result with receipts through the responsibility flow.

MECHANISM

Keep every hand-off attached to an owner

The AION verifier runs four stages in sequence and aborts with a non-zero exit code at the first failure. Parse and authenticate, recompute the Merkle root, re-execute the recorded operations, then replay the policy gates through Lattice. Each stage is a hard gate.

You cannot turn the trace off and get a "faster" answer. The trace is the work; turning it off would mean turning off the reasoning. We made that choice on purpose, because the alternative is exactly the kind of black-box AI we do not want to build.

- Source
- Owner
- Integrity
- Replay

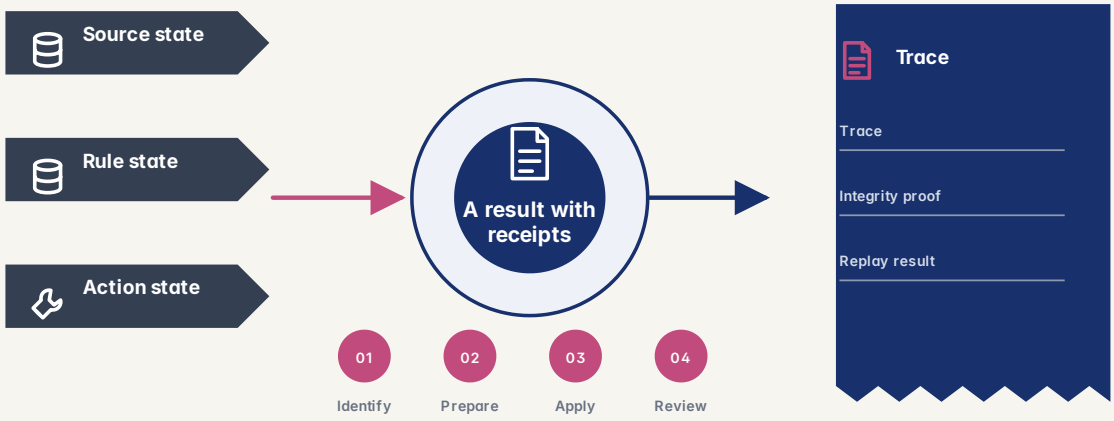
QUESTION TO CARRY

Is every hand-off visible, bounded, and assigned to an owner?

SOURCE TO RESULT

Every useful outcome begins with an authoritative basis

The work stays explainable when source identity, transformation, decision, and hand-off remain visible between systems.



How to read this visual: follow a result with receipts through source to result.

DECISION

Keep the basis visible as the work changes form

A trace is not a log. A log is a best-effort list of human-readable events written by the application. A trace is a cryptographic artefact written by the runtime itself: a structured graph of hashes over the exact bytes that flowed through every computation step, every policy check, and every sampling decision. The trace IS the computation: run it back through the verifier and you get the same output, bit for bit, or the verifier fails closed.

Every input byte sequence is normalised to canonical form (UTF-8 NFC, sorted map keys, explicit nil markers) and hashed. Every output is hashed raw. The leaf set is ordered by topological dependency, not chronology, so the tree shape is deterministic even when operations execute in parallel.

- Identify
- Prepare
- Apply
- Review

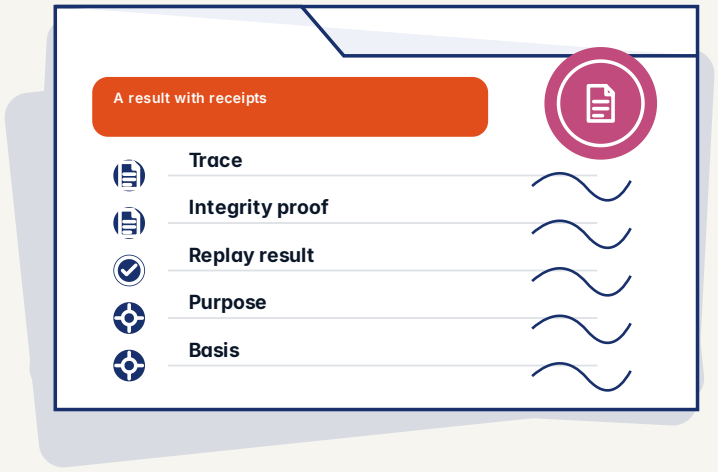
QUESTION TO CARRY

Can the result still be connected to the exact basis that shaped it?

EVIDENCE PACKET

The record should answer the next difficult question

Capture enough to explain the result, inspect authority, investigate failure, and make the next decision without rebuilding the story from memory.



How to read this visual: follow a result with receipts through evidence packet.

MECHANISM

Preserve the record needed by the next question

Every answer comes with a small, signed receipt. It proves mathematically that the same question, model, and day produce the same result. Change anything along the way and the receipt no longer matches. That checkable record is the trace.

You can verify a single leaf without recomputing the whole tree. The trace includes a Merkle proof path of sibling hashes from a leaf up to the root, so checking one leaf costs a hash per level of depth.

- Purpose
- Basis
- Authority
- Action

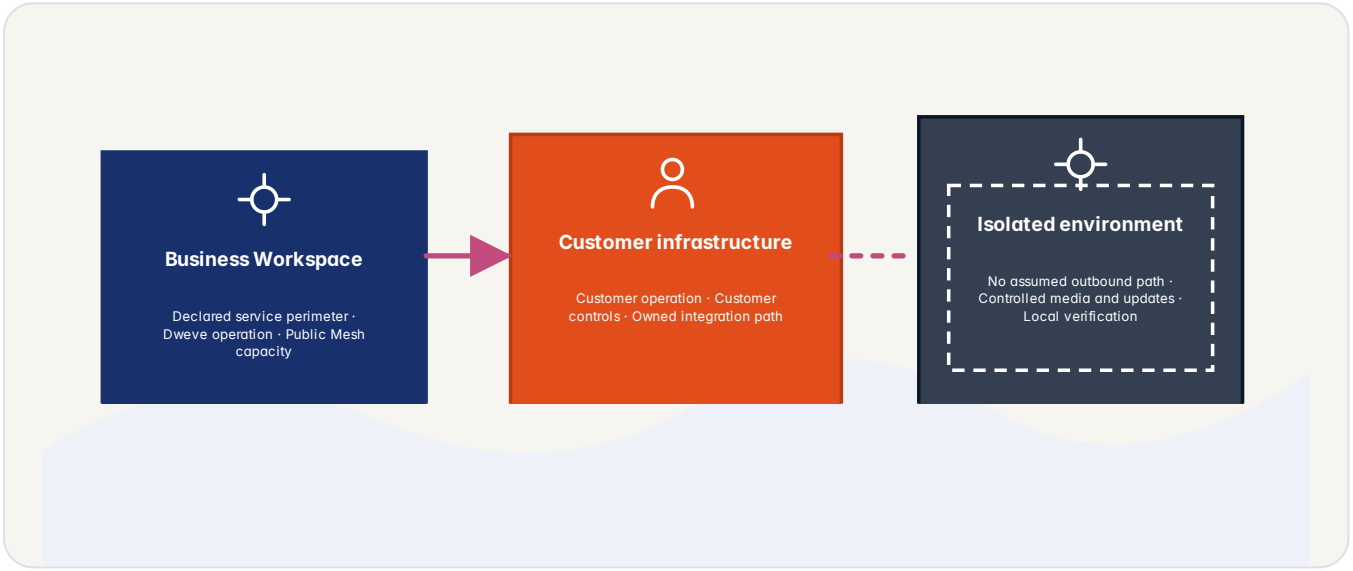
QUESTION TO CARRY

Does the retained record answer the next difficult question without reconstruction?

DEPLOYMENT CHOICE

Choose the operating posture around the work

Location is only one dimension. Decide who operates, who holds keys, which dependencies exist, how updates arrive, and what continuity requires.



How to read this visual: follow a result with receipts through deployment choice.

DECISION

Compare operating responsibility, not location alone

The trace is not a marketing feature. It is a technical choice that most companies have not made. Most AI systems cannot produce a trace because they were not built to. The reasoning happens in a way that does not leave a readable trail; the developers cannot show you, even if they wanted to. Dweve was built differently from the first design meeting; the trace is the architecture, not an extra panel.

All four stages run without network access. The verifier validates the signature against a local trust anchor, then proceeds through load, Merkle recompute, operation replay, and policy replay exactly as online. Sovereign verification produces the same VERIFIED output with the same bit-identical guarantee.

- Begin through managed Fabric
- Run on customer infrastructure
- Close the environment
- Source

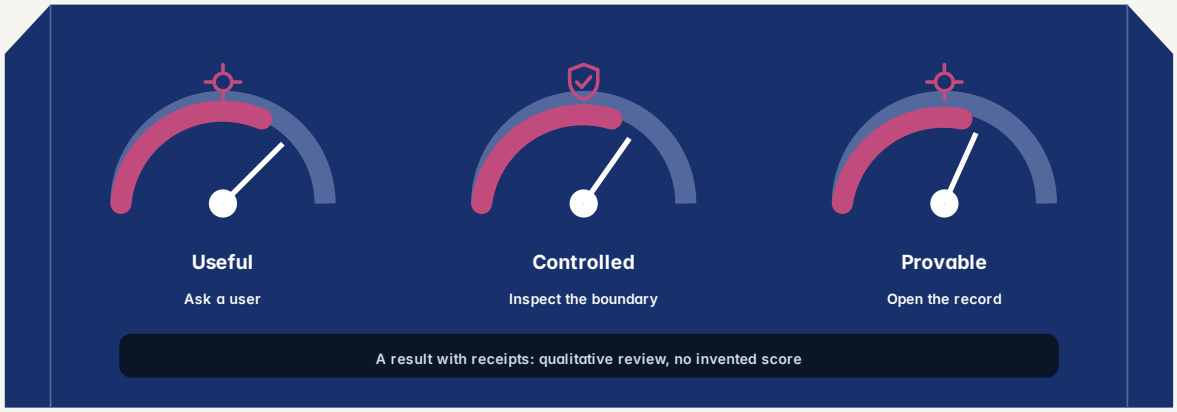
QUESTION TO CARRY

Who holds infrastructure, keys, updates, logs, recovery, and the exit path?

WHAT TO LOOK FOR

Three signals that the proof is earning trust

Progress is a useful outcome under understood control, supported by reviewable evidence.



How to read this visual: follow a result with receipts through what to look for.

MECHANISM

Use signals that can change the next decision

Any randomness is drawn from a recorded seed, so the same trace replayed with the same seed reproduces the same result. Useful where a controlled amount of sampling variation is wanted but the run must still be exactly reconstructable.

A standard proof format used by SMT solvers. AION emits a lossless transform to Alethe proof terms, which is useful when you need to feed the proof into SMT-LIB workflows or academic toolchains that already speak Alethe.

- Useful
- Controlled
- Provable
- Source

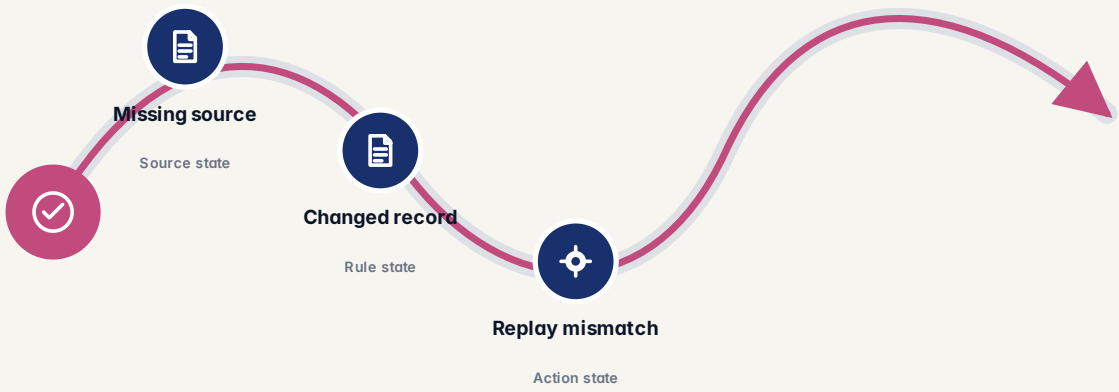
QUESTION TO CARRY

Which signals would change the next decision rather than merely impress the room?

HONEST LIMITS

Design failure before the first success demo

Visible failure is more useful than a polished result whose limits remain unknown.



How to read this visual: follow a result with receipts through honest limits.

DECISION

Design the failure before presenting the success

If the AI looked at a file, a web page, or a policy document to build your answer, the trace lists them. You can see which sources influenced the result and whether they were the ones you expected.

Lattice re-evaluates every policy gate recorded in the trace: export controls, redaction spans, safety boundaries, access permissions. Each gate must produce the identical boolean result. A bypass is flagged with the gate name and the divergent span.

- Missing source
- Changed record
- Replay mismatch

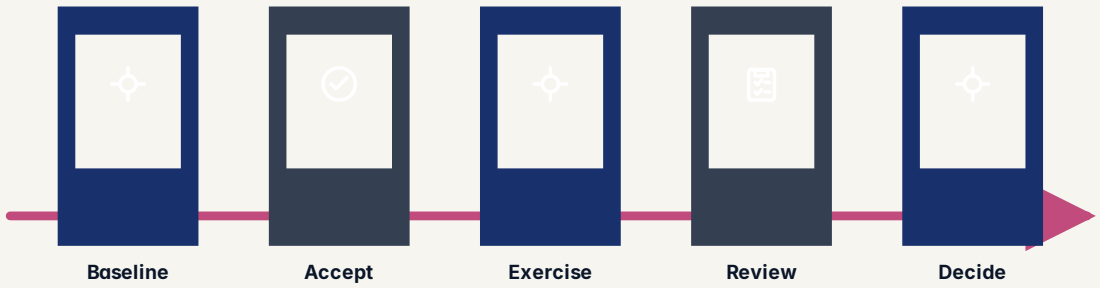
QUESTION TO CARRY

What happens when a source, permission, target, model, or supplier is unavailable?

ACCEPTANCE PATH

A proof should close with a decision, not applause

Agree the decision path before the demonstration so a strong or weak result can change what happens next.



PROCEED · NARROW · HOLD · REJECT

How to read this visual: follow a result with receipts through acceptance path.

MECHANISM

Close the proof with an owned decision

The point of replayable proof is not a nice diagram on a website. It is the moment, months or years later, when someone asks a question you had not anticipated. Here is where that moment happens.

A clause-based format consumed by certified SAT checkers. AION converts to LRAT when the proof contains boolean-satisfiability sub-problems, such as constraint-solving steps in policy evaluation. The same verification guarantee holds across the transform.

- Baseline
- Accept
- Exercise
- Review

QUESTION TO CARRY

Are success, counter-metrics, failure cases, and stop conditions agreed first?

ADOPTION

Expansion is a sequence of owned choices

Move from one bounded result to a repeatable operating capability without making the scope vague.

How to read this visual: follow a result with receipts through adoption.

DECISION

Expand only what proved reusable

The trace is the thing a DORA examiner, a medical-device notified body, or a customer's lawyer can take home and re-run years later without Dweve being in the loop. That is the point.

Replay every recorded operation against its stored inputs. Each output hash is checked for a bit-identical match. If any operation produces a different result, the verifier reports which step failed and why.

- Prove one workflow
- Own the operation
- Repeat the pattern
- Add responsibility

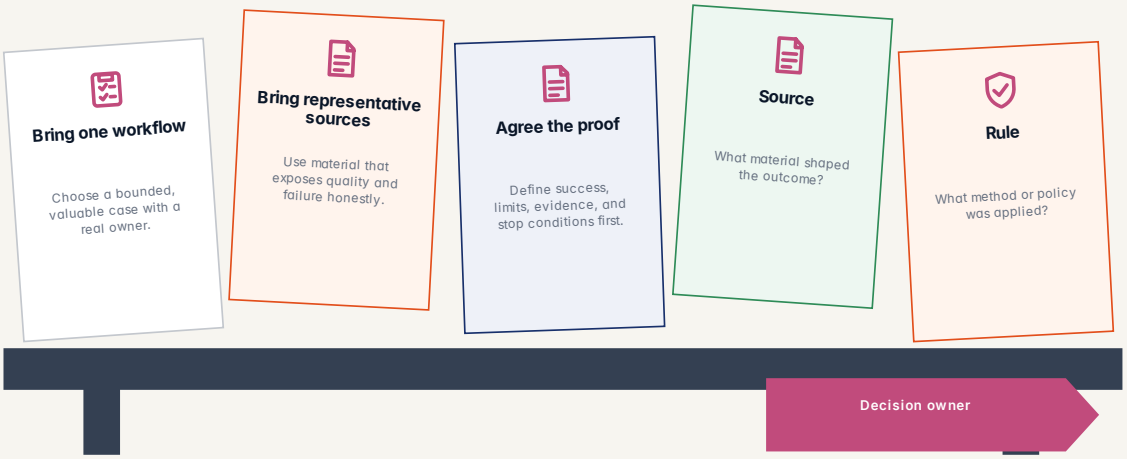
QUESTION TO CARRY

What can be reused safely, and what requires a new decision and proof?

WHAT TO PREPARE

Bring the ingredients for a useful first session

A small amount of real context produces a better conversation than a broad catalogue of hypothetical features.



How to read this visual: follow a result with receipts through what to prepare.

KEEP IT BOUNDED

Sensitive production data is not required for the first conversation. Bring representative material and the rules that define a useful result.

MECHANISM

Bring enough reality to make the session useful

The receipt proves, mathematically, that the same question, given to the same model, on the same day, produces the same answer.

When a machine decides something about you, you deserve to see how it decided. Most AI gives you an answer and asks you to trust it. Dweve gives you the answer and a receipt that shows exactly what went into it: the question you asked, the documents it looked at, and the rules it followed. No hidden steps. No black box.

- Bring one workflow
- Bring representative sources
- Agree the proof
- Source

QUESTION TO CARRY

Which real sources, rules, owners, and examples will make the first session honest?

THE INVITATION

Continue with the question that matters

Scope a briefing, demonstration, or proof around the workflow and decision that matter to your organisation.

dweve.com/contact

ONE MAINTAINED PUBLIC ROUTE

Current contact choices stay on the website

CONTINUE ONLINE

dweve.com/contact

Current route and contact choices

START A CONVERSATION

Continue through the current contact page

Scope a workflow or ask a technical question, then use the contact page to begin.

START	**dweve.com/contact**	Use the maintained public contact route
BRING	**One bounded question**	Workflow, audience, decision, and desired evidence
CHOOSE	**Briefing · demonstration · PoV**	Select the smallest useful next step
VERIFY	**Current scope and terms**	Confirm availability, pricing, and responsibilities before commitment

DECISION

Turn the brochure into one bounded next step

The AION native format is a HEDL-encoded proof artefact with a signed Merkle root and policy metadata. For interop with existing proof tooling, the verifier also emits Alethe, a standard format used by SMT solvers, and LRAT, a clause-based format used by certified SAT checkers. Both are lossless transforms of the same proof. Most users stay on the native format.

Four surfaces; one proof format. Pick the surface that matches how your team works: a command-line tool for automated pipelines, a browser drop-zone for non-engineers, software development kits for in-app verification, and a workbench for forensic investigations.

- Start: dweve.com/contact
- Bring: One bounded question
- Choose: Briefing · demonstration · PoV
- Verify: Current scope and terms

QUESTION TO CARRY

What is the smallest useful next conversation Dweve should prepare?