

# AI Decision Traceability Assessment

## Could You Reconstruct an AI Decision Today?

When an AI-driven decision gets challenged, explaining how the model generally behaves isn't enough — you need to reproduce exactly what happened in that one case. This assessment identifies whether your evidence chain could hold up, and where it would break first.

**Time to Complete:** 2 Minutes · **Questions:** 4

## How It Works

For each question, select the option that best reflects your current environment:

**Stalled** – Evidence is scattered across systems; reconstructing a decision means manual, cross-team investigation

**Developing** – Some evidence is retained, but gaps in versioning, ownership, or integration leave decisions partly defensible

**Connected** – Any material decision can be reconstructed end-to-end, on demand

## Scoring Guide

| Response   | Points |
|------------|--------|
| Stalled    | 0      |
| Developing | 1      |
| Connected  | 2      |

**Maximum Score: 8**

## The Assessment

### 1. Decision Reconstruction

If a specific past decision were challenged today, could you reproduce the exact input data, model or rule version, and system outputs that produced it — or only describe how the model generally behaves?

- ☐ Stalled
- ☐ Developing
- ☐ Connected

### 2. Human Action Traceability

Can you trace every human intervention on a decision — reviews, corrections, overrides, approvals — back to the specific outcome it affected?

- ☐ Stalled
- ☐ Developing
- ☐ Connected

### 3. Evidence Chain Integrity

Do your data, model, and business-rule versions carry identifiers that connect a business transaction to its technical execution — or do logs, lineage, and outputs live separately with no common thread?

- ☐ Stalled
- ☐ Developing
- ☐ Connected

#### 4. Operating Readiness & Ownership

Has a single team run a decision-replay exercise — reconstructing a real past outcome, including third-party AI tools — for your highest-risk decision types? Or does no one own the complete record end-to-end?

- ☐ Stalled
- ☐ Developing
- ☐ Connected

## Your Decision Traceability Score

Add your total score.

| Score | Maturity Level                | Interpretation                                                                                             |
|-------|-------------------------------|------------------------------------------------------------------------------------------------------------|
| 7–8   | <b>Defensibility Leader</b>   | Any consequential decision can be reconstructed end-to-end, with evidence ready before it's ever requested |
| 5–6   | <b>Defensibility Scaler</b>   | Core evidence exists, but gaps in human-action tracking or versioning slow reconstruction                  |
| 3–4   | <b>Defensibility Operator</b> | Reconstruction is possible in pockets, but requires manual cross-team investigation                        |
| 0–2   | <b>Defensibility Starter</b>  | Evidence is scattered across systems; a challenged decision would be difficult to reproduce at all         |

## What Lower Scores Typically Indicate

| Area                      | Potential Impact                                                                                        |
|---------------------------|---------------------------------------------------------------------------------------------------------|
| Decision Reconstruction   | A challenged outcome can't be reproduced, turning a data gap into a compliance and credibility exposure |
| Human Action Traceability | Overrides and corrections without a clear trail leave the human role in a decision undefendable         |
| Evidence Chain Integrity  | Disconnected logs and lineage turn every investigation into a manual, multi-team effort                 |

|                                       |                                                                                                                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating<br>Readiness &<br>Ownership | Without a tested replay process and a clear owner, the first real reconstruction happens under regulatory or customer pressure — with no one accountable and no time to fix gaps |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Why This Matters

Explainability shows how a model behaves in general. Traceability proves what happened in one specific case — and that's what gets tested when a decision is challenged. Organizations that treat traceability as an operating capability, not just a model property, can defend consequential decisions on demand instead of reconstructing them under pressure.

## Next Step

Use your results to identify which condition — reconstruction, human-action tracing, evidence integrity, or operating readiness — needs reinforcement before your next audit, complaint, or regulatory review.

*Your responses are confidential and used only to generate your personalized assessment results.*

Contact us: **[info@v2solutions.com](mailto:info@v2solutions.com)**