

Evidence Registry — Aurora Workflow Orchestration (AWO)

Purpose

The **Evidence Registry** serves as a living index of falsifiability, provenance, and attestation artifacts recorded under AWO.

It complements ADR-0002 (*Evidence Registry Architecture Decision*) and provides a human-readable summary of all evidence objects referenced across runs, ADRs, and governance files.

Each entry links a **claim**, **artifact**, and **verification record**, establishing a traceable chain of custody for reproducible research.

Registry Structure

| Field | Description | Source |
|---------------------------|---|--------------------------------|
| Evidence ID | Unique hash or run-scoped identifier | Generated per run |
| Claim / Hypothesis | The proposition under evaluation | Falsifiability Manifest |
| Artifact Path | File containing empirical or reasoning evidence | <code>/runs/<id>/</code> |
| SHA-256 Hash | Integrity checksum of the artifact | <code>SHA256SUMS.txt</code> |
| Origin Role | Role responsible for producing the evidence | Run manifest |
| Verification Role | Role confirming validity | <code>approval.json</code> |
| Status | Pass / Fail / Pending | Attestation log |
| Linked ADRs | Relevant decision records | <code>/decisions/</code> |
| Timestamp (UTC) | When evidence was registered | Run metadata |

Example Entry

“`yaml evidence_id: EVD_2025-10-31_001 claim: “Entropy growth predicts horizon expansion” artifact_path: runs/run_2025-10-31T00-00-42Z/report.md sha256: “ce8d3ac26f97f391f00a61223b034cdc822d114e23 origin_role: Synthesizer verification_role: Auditor status: PASS linked_adrs: [0002, 0012, 0015] timestamp: 2025-10-31T03:12:00Z`”