

Integrity Signal Feedback

Downstream-outcome references carrying integrity-signal feedback from coupled cognitive domains into the lineage and training pipeline.

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Downstream-outcome references carry integrity-signal feedback from coupled cognitive domain fields into the lineage and training pipeline. For each inference request, the lineage record carries a downstream-outcome reference that identifies one or more subsequent events through which the inference output was evaluated, including user acceptance, user revision, downstream execution success, downstream execution failure, and integrity-signal feedback from coupled cognitive domain fields.

Integrity-signal feedback comprises evaluations of the inference output against the agent's normative integrity domain field and other coupled cognitive domain fields. Such evaluations include detection of deviation from policy-declared normative thresholds, detection of inconsistency with prior agent outputs recorded in the lineage field, and detection of structural mismatch between the inference output and the user's accumulated structural conventions as encoded in the agent's cognitive state field.

These downstream-outcome references become part of the lineage-derived training corpus, which reflects real-world outcomes rather than recursive model self-output.

Disclosure Scope

This article describes subject matter disclosed in U.S. Provisional Application No. 64/070,239. Descriptions of behavior reflect embodiments and optional configurations in that disclosure and should not be read as claim limitations.

Agent-Resident Execution

[All 40 steps → \(/inventive-steps\)](/inventive-steps)

Substrate (</agent-resident-execution-substrate>)

Persistent execution environment carried by the agent, not the host — identity, state, and lineage across power cycles, devices, and upgrades.

Provisional application

PRIMARY TECHNICAL DISCLOSURE

- [{step.name}, Articles \(/articles/agent-resident-execution-substrate\)](/articles/agent-resident-execution-substrate)

SECONDARY TECHNICAL

- [Persistent Semantic Agent \(/articles/agent-resident-execution-substrate/persistent-semantic-agent\)](/articles/agent-resident-execution-substrate/persistent-semantic-agent)
- [Managed Inference Tool Registry \(/articles/agent-resident-execution-substrate/managed-inference-tool-registry\)](/articles/agent-resident-execution-substrate/managed-inference-tool-registry)
- [Agent-to-Tool Dispatcher \(/articles/agent-resident-execution-substrate/agent-to-tool-dispatcher\)](/articles/agent-resident-execution-substrate/agent-to-tool-dispatcher)
- [Lineage-Derived Training Signal \(/articles/agent-resident-execution-substrate/lineage-derived-training-signal\)](/articles/agent-resident-execution-substrate/lineage-derived-training-signal)
- [Identity Preservation Across Upgrades \(/articles/agent-resident-execution-substrate/identity-preservation-across-upgrades\)](/articles/agent-resident-execution-substrate/identity-preservation-across-upgrades)
- [Cognitive State-Conditioned Dispatch \(/articles/agent-resident-execution-substrate/cognitive-state-conditioned-dispatch\)](/articles/agent-resident-execution-substrate/cognitive-state-conditioned-dispatch)
- [Governed Tool Lifecycle \(/articles/agent-resident-execution-substrate/governed-tool-lifecycle\)](/articles/agent-resident-execution-substrate/governed-tool-lifecycle)
- [Continuity-Proof Lineage \(/articles/agent-resident-execution-substrate/continuity-proof-lineage\)](/articles/agent-resident-execution-substrate/continuity-proof-lineage)
- [Substrate Runtime Continuity \(/articles/agent-resident-execution-substrate/substrate-runtime-continuity\)](/articles/agent-resident-execution-substrate/substrate-runtime-continuity)

- [Personal Corpus Model Training \(/articles/agent-resident-execution-substrate/personal-corpus-model-training\)](/articles/agent-resident-execution-substrate/personal-corpus-model-training).
- [Heterogeneous Inference Endpoints \(/articles/agent-resident-execution-substrate/heterogeneous-inference-endpoints\)](/articles/agent-resident-execution-substrate/heterogeneous-inference-endpoints).
- [Atomic Lifecycle Substitution \(/articles/agent-resident-execution-substrate/atomic-lifecycle-substitution\)](/articles/agent-resident-execution-substrate/atomic-lifecycle-substitution).
- [**Integrity Signal Feedback \(/articles/agent-resident-execution-substrate/integrity-signal-feedback\)**](/articles/agent-resident-execution-substrate/integrity-signal-feedback)
- [Hardware-Bound Identity \(/articles/agent-resident-execution-substrate/hardware-bound-identity\)](/articles/agent-resident-execution-substrate/hardware-bound-identity).
- [Cognitive State Append-Only Invariant \(/articles/agent-resident-execution-substrate/cognitive-state-append-only-invariant\)](/articles/agent-resident-execution-substrate/cognitive-state-append-only-invariant)
- [Counterparty Identity Records \(/articles/agent-resident-execution-substrate/counterparty-identity-records\)](/articles/agent-resident-execution-substrate/counterparty-identity-records).
- [Privacy Egress-Controlled Disclosure \(/articles/agent-resident-execution-substrate/privacy-egress-controlled-disclosure\)](/articles/agent-resident-execution-substrate/privacy-egress-controlled-disclosure).
- [Federated Cross-Device Agent Identity \(/articles/agent-resident-execution-substrate/federated-cross-device-agent-identity\)](/articles/agent-resident-execution-substrate/federated-cross-device-agent-identity)

[Agent-Resident Execution Substrate overview → \(/agent-resident-execution-substrate\)](/agent-resident-execution-substrate)