

Discovery Agent as Schema-Conformant Index Traverser

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Discovery objects simultaneously carrying cognitive domain fields, evaluating each traversal step through composite admissibility, and recording steps in lineage while traversing the adaptive index. Each traversal step is a governed, auditable operation.

The indexing mechanisms of the adaptive index and the schema mechanisms of the semantic agent object converge in the discovery traversal, in which the discovery object is a schema-conformant semantic agent that traverses the adaptive index while carrying its own governance, identity, and cognitive state. The adaptive index thereby operates not only as a resolution substrate for content but simultaneously as an execution substrate for discovery agents: agents that carry cognitive domain fields, evaluate each traversal step through the composite admissibility evaluator, and record each step in their own lineage. The index, the schema, and the execution platform operate as a unified substrate for governed information acquisition.

Disclosure Scope

This article describes subject matter disclosed in United States Patent Application 19/647,395. It is a technical explainer, not a legal instrument, and the claims of the application define the scope of any rights.

Cross-Patent Architecture (</cross-patent-architecture>) All 40 steps → (</inventive-steps>) **itecture**)

Cross-cutting architectural principles that compose every primitive into a coherent platform.

[Chapter 1](/patents/19-647395/chapters/foundation) (</patents/19-647395/chapters/foundation>).

PRIMARY TECHNICAL DISCLOSURE

– [{step.name}, Articles](/articles/cross-patent-architecture) (</articles/cross-patent-architecture>)

SECONDARY TECHNICAL

- [Transit Cognitive State](/articles/cross-patent-architecture/transit-cognitive-state) (</articles/cross-patent-architecture/transit-cognitive-state>)
- [Substrate Identity Revocation During Active Cognition](/articles/cross-patent-architecture/substrate-identity-revocation) (</articles/cross-patent-architecture/substrate-identity-revocation>)
- [Policy Freshness Across Asynchronous Execution](/articles/cross-patent-architecture/policy-freshness-asynchronous-execution) (</articles/cross-patent-architecture/policy-freshness-asynchronous-execution>)
- [Governance Authority Evaluation via Integrity Trajectory](/articles/cross-patent-architecture/governance-authority-integrity-trajectory) (</articles/cross-patent-architecture/governance-authority-integrity-trajectory>)
- **[Discovery Agent as Schema-Conformant Index Traverser](/articles/cross-patent-architecture/discovery-agent-schema-index-traverser)** (</articles/cross-patent-architecture/discovery-agent-schema-index-traverser>)
- [Cross-Tier Navigation Primitive: World as Model](/articles/cross-patent-architecture/cross-tier-navigation-world-as-model) (</articles/cross-patent-architecture/cross-tier-navigation-world-as-model>)

[Cross-Patent Architecture overview](/cross-patent-architecture) → (</cross-patent-architecture>)