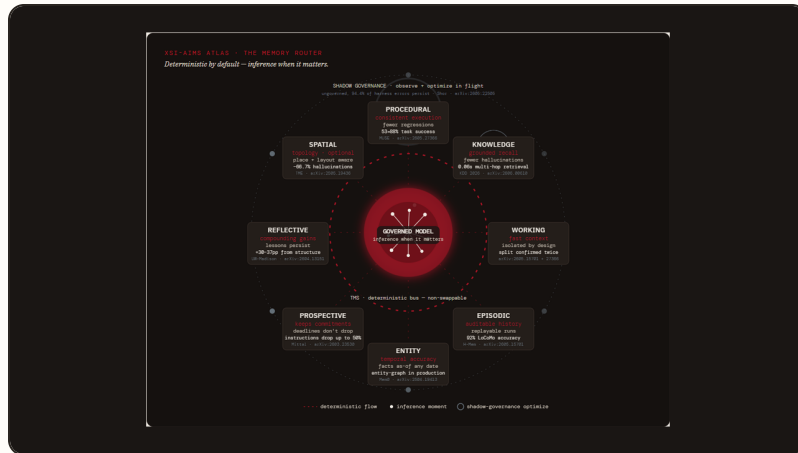


MICROSOFT APPSOURCE · XSI-AIMS

XSI-AIMS Atlas

Memory routing at orchestration scale.

At prototype scale, memory never gets asked the hard question — one vector store and a generous context window carry a single demo agent fine. At fleet scale it dominates. *XSI-AIMS Atlas* is the memory routing engine for the XSI-AIMS memory family. Agents call one interface; Atlas routes each call to the right subsystem and the right backend. Deterministic by default — inference only when it matters.



The memory router — eight subsystems feed one governed model, over a non-swappable trust-and-provenance bus.

EIGHT SUBSYSTEMS, ONE INTERFACE

- **Declare the memory, not the database** — Procedural, Knowledge, Working, Episodic, Entity, Prospective, Reflective — plus an optional Spatial profile. Each subsystem has a default backend and accepts drop-in alternatives at registration.
- **One non-swappable trust bus** — Spanning all of them is the Trust and Memory Provenance bus (TMS) — promotion, consolidation, and provenance through one governed contract.
- **Routed, not forced through one store** — Reliability, recall, consistency, and cost diverge subsystem by subsystem. The same declaration routes the same way every time — agents stay reproducible, incidents stay debuggable.

HOW IT WORKS — One store — one vector database, one access pattern — is right for one job and wrong for everything else agents remember. Atlas makes the contract declared, not improvised.

WHO IT'S FOR — Teams putting hundreds of agents in production, each making thousands of calls a day, where every call embeds a memory decision.

WHAT IT DOES NOT DO (YET)

Routing cannot repair a bad write — Atlas delivers the read and the write to the right contract, but does not validate that what the agent wrote was true. And XSI has published no Atlas benchmarks; every performance figure is an external result until Atlas numbers exist.

Talk to us about memory at orchestration scale. *Contact me* to start.

Contact me →

Availability. A commercial XSI product implementing the open XSI-AIMS standard. Licensed by XSI, contact-gated.

Extended Systems Inc. · The open XSI-AIMS standard: xtendedsystems.com/aims · GitHub: github.com/Extended-Systems-Intelligence/aims

Sibling instruments: XSI-AIMS for the Microsoft Agent Framework (governance) · XSI-AIMS Atlas (memory routing) · XSI-AIMS Compass (model routing)