

PRODUCT · AGENTIC ORCHESTRATION

Aizen Orchestrate

Multi-method orchestration for enterprise AI — coordinating agents, workflows, business rules, and ML models in a single governed environment with end-to-end traceability.

L1	INTERACTION	AI agents · NL understanding · intent extraction
L2	ORCHESTRATION	Workflow engine · state · parallel execution
L3	DECISION	Business rules · policy · regulatory constraints
L4	INTELLIGENCE	ML models · risk · forecasting · anomaly
L5	DATA	Enterprise integrations · CRM · ERP · feature stores

<p>5</p> <p>ARCHITECTURAL LAYERS</p>	<p>4</p> <p>EXECUTION METHODS</p>	<p>100 %</p> <p>AUDIT TRAIL COVERAGE</p>	<p>Weeks</p> <p>DEPLOY vs. MONTHS</p>
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§ 01

Platform overview

01 / 05

Orchestrate closes the production gap between AI experimentation and enterprise deployment. Rather than forcing every task through an LLM, it assigns each task to the technology layer best suited to handle it — natural language to agents, process control to a workflow engine, compliance to a rules engine, predictive analytics to ML models — within a single governed environment. Every invocation across all layers is logged with inputs, outputs, version, and timestamp.

§ 02

Request lifecycle · reliability

02 / 05

REQUEST LIFECYCLE

- 01 INTENT** Agent extracts a structured intent object — action, entities, context, ambiguities.
- 02 CAPABILITY** Engine resolves intent against a registry of *Capability Cards* defining services, policies, models, integrations.
- 03 EXECUTION** Workflow engine manages state, parallelism, branching. Long-running flows pause on external signals and resume.
- 04 AUDIT** Every agent, rule, and model invocation logged with inputs, outputs, version, and timestamp.

RELIABILITY & OBSERVABILITY

- RESILIENCE** Event-driven coordination with circuit breakers that isolate failures before they cascade.
- RECOVERY** Configurable retries with exponential backoff. Workflows resume from last known good state.
- GOVERNANCE** Versioned deployments enable point-in-time audit reconstruction and controlled rollback.
- VISIBILITY** End-to-end execution tracing across all five layers, in one queryable record.

§ 03

Orchestration lifecycle

03 / 05

PHASE	ACTIVITY	ARTIFACT
01 · Import	Ingest existing documentation, technical specifications, API contracts, and operational runbooks.	docs.in
02 · Extract	Automated analysis distributes tasks across the appropriate layer — agents, workflow, rules, ML.	layers.map
03 · Review	Architects inspect the workflow composition; override component assignments where determinism is required.	review.v1
04 · Test	Workflows run against simulated environments reproducing failure scenarios, outages, and edge cases.	sim.run
05 · Deploy	Validated workflows release via staged rollouts, canary deployments, or scheduled windows.	deploy.v1
06 · Monitor	Dashboards surface execution health, model performance, SLA adherence, and exception alerts across all layers.	monitor.live

§ 04

Capability comparison

04 / 05

CAPABILITY	PURE AGENT	WORKFLOW ENGINE	ORCHESTRATE
Natural language understanding	● ● ●	○ ○ ○	● ● ●
Deterministic business logic	○ ○ ○	● ● ●	● ● ●
Stateful process management	● ○ ○	● ● ●	● ● ●
ML model integration	● ○ ○	○ ○ ○	● ● ●
Compliance & auditability	○ ○ ○	● ● ●	● ● ●
Production reliability	○ ○ ○	● ● ●	● ● ●

§ 05

Use case - automated loan processing

05 / 05

SCENARIO A customer submits "I'd like to apply for a home loan" through the bank's conversational interface. Orchestrate coordinates origination end-to-end across all five layers.

STEP	LAYER	ACTION
01	L1 · Interaction	Agent extracts intent and product type, prompts for missing applicant data through structured dialogue.
02	L2 · Orchestration	Workflow engine matches the home-loan Capability Card and initiates a uniquely identified instance.
03	L3 · Decision	Eligibility rules — age, residency, jurisdiction, income — applied deterministically.
04	L4 · Intelligence	Credit risk model invoked. Score routes the case: auto-approve, underwriter review, or decline.
05	L5 · Data	Credit bureau, employment, and financial data retrieved. Retry and governance enforced.
06	L2 · Orchestration	Workflow produces final decision plus regulator-grade audit record covering every step.

CONTACT

Schedule an Orchestrate demonstration.

See how Orchestrate coordinates AI agents, workflows, business rules, and ML models within a single governed environment.

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