

Action AI Analyst

Ask a question. Get an answer. No SQL required.

Action AI Analyst is an enterprise AI data analyst that connects directly to your data warehouse, applies business logic through a continuously managed semantic layer, and delivers accurate, consistent answers in plain language — to anyone on your team.

Key Capabilities



Natural Language Querying

Business users ask questions in plain language and get accurate, sourced answers — without writing SQL or needing to understand the underlying data schema.



Semantic Layer with Continuous Management

Defines business logic once: models, metrics, relationships, and a glossary. The Steward Agent builds, maintains, and monitors this layer as data and usage evolve.



Granular Access Control

Studio gives data teams full control to build, configure, and govern. Explorer allows business users to query and analyze. Access is inherited from the data warehouse; can be restricted at the model, dimension, and measure level.



Governed AI Queries

AI agents generate queries based on defined models, metrics, and relationships. Every answer is grounded in approved business definitions and traceable to the underlying logic.



Broad Data Source Connectivity

Connects to major data warehouses (including Snowflake, Databricks, Fabric, BigQuery, and Redshift) and works on top of existing ETL/ELT pipelines that prepare and structure data for analysis.



AI Agent-Powered Analysis Modes

Supports single-question queries and multi-step analysis. Deep Analysis executes structured investigations across dimensions, returning synthesized insights, visualizations, and recommendations.



Messaging App Integration

Query your data directly from Slack or Microsoft Teams. Answers are delivered where your team already works — without requiring users to switch tools.



Monitoring & Audit Logs

Track usage, query behavior, and semantic layer coverage. Audit logs provide visibility into how data is accessed, how queries are generated, and how results are used.

How the Semantic Layer Works

The semantic layer translates business language into governed data access. It ensures that every query follows defined logic rather than relying on interpretation of raw tables. It has 3 components:

Models

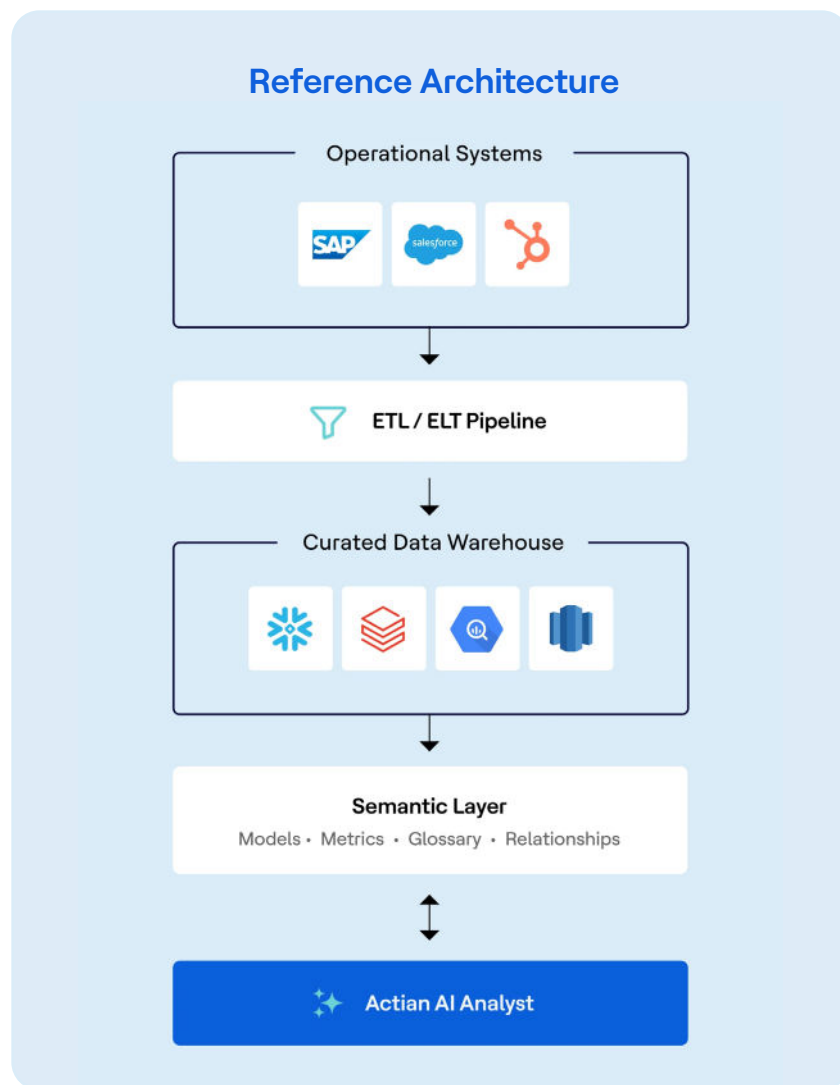
Defines your core business entities (customers, orders, products), including their attributes, aggregations, and relationships to other entities.

Metrics

Encodes KPI-level business logic such as conversion rates, revenue per customer, or active users by combining measures with filters and business rules.

Glossary

Maps business vocabulary to semantic layer components. When someone asks about "active users" or "recent orders," the glossary bridges plain language to the correct data definitions.



Data flows from operational systems through your ETL/ELT pipeline into a curated data warehouse. The semantic layer sits between the warehouse and AI Analyst, ensuring every query is executed using defined business logic.

Technical Specifications

Specification	Detail
Deployment	Cloud-hosted SaaS; SSO and multi-factor authentication supported
Data Warehouse Support	Snowflake, Databricks, BigQuery, Amazon Redshift
Operational Connectors	SAP, Salesforce, HubSpot (via ETL/ELT pipeline)
Data Catalog Connectors	Integrations with major data catalog platforms
Messaging Integrations	Slack, Microsoft Teams
Query Language	Proprietary language generates governed queries from semantic layer definitions
User Roles	Admin (Studio: build, configure, monitor) User (Explorer: query, analyze)
Governance	Audit logs, semantic layer management, and access controls
API Access	Public REST API for programmatic integration
Security	Data remains in the warehouse; queries are executed against governed definitions

Get started in weeks, not quarters.

Visit actian.com/ai-analyst or try it yourself with the **14-day free trial**.

About Actian

Actian empowers enterprises to confidently manage and govern data at scale. Organizations trust Actian data management and data intelligence solutions to streamline complex data environments and accelerate the delivery of AI-ready data. Designed to be flexible, Actian solutions integrate seamlessly and perform reliably across on-premises, cloud and hybrid environments. Learn more about Actian, The data and AI division of **HCLSoftware**, at actian.com.

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