

From raw data to intelligent action — in a single integrated platform.

CLIENTS



CORE CAPABILITIES

Agentic AI	Natural language queries, MCP tool invocation, autonomous agent scheduling, multi-LLM governance with on-premise LLM support
Complex Event Processing	Real-time event detection, correlation, and alerting from high-velocity data streams via Apache Kafka
ETL & Data Integration	Schema-aware pipelines ingesting APIs, databases, files, and streams into a unified data lake
Business Intelligence	Interactive dashboards, KPI visualisation, GIS mapping, dynamic drill-down, and scheduled reporting
Machine Learning Studio	End-to-end model building, training, SHAP explainability, and one-click production deployment
AutoML	One-click time-series forecasting — automated feature engineering, model selection, and retraining

AI & MACHINE LEARNING HIGHLIGHTS

<p>Natural Language Queries</p> <p>Plain-English queries converted to SQL & executed against the analytical data layer — no syntax required</p>	<p>Agentic Workflows</p> <p>Multi-step goal-directed AI agents using MCP tool invocation with RBAC security enforcement</p>	<p>ML Studio</p> <p>Classification & regression models with SHAP explainability, confusion matrix, and A/B testing</p>	<p>AutoML Forecasting</p> <p>Native Deep Learning Model Architecture with auto feature extraction from the data, train and predict automatically</p>
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DEPLOYMENT, INTEGRATIONS & ARCHITECTURE

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DEPLOYMENT OPTIONS

- On-Premise — full data sovereignty
- Hybrid — split workloads across environments
- Cloud — managed Kubernetes deployment
- Containerised microservices via Docker + K8s
- Zero-downtime rolling updates
- Dev / Staging / Production isolation

UNIVERSAL INTEGRATIONS

- REST & SOAP APIs (OAuth2-secured)
- Relational databases and legacy systems
- File-based ingestion (CSV, JSON, XML)
- Real-time event streams (Apache Kafka)
- Enterprise IAM via Keycloak (SSO / OIDC)
- Enterprise messaging for AI report delivery

MULTI-TENANT & OMNI-CHANNEL

- Project-based isolated configuration namespaces
- Independent pipelines, dashboards, and RBAC
- Onboard new business units with no code changes
- Centralised governance across tenants
- Embedded chat, mobile PWA, and voice
- Scheduled AI-generated executive briefs

SECURITY ARCHITECTURE & DATA GOVERNANCE

SECURITY ARCHITECTURE

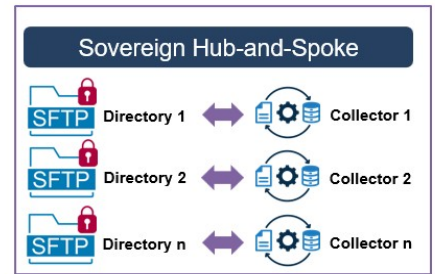
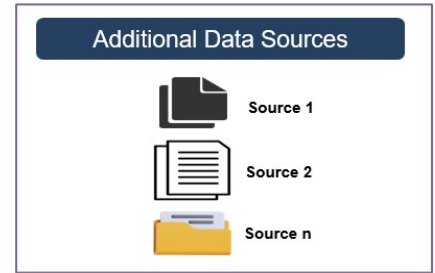
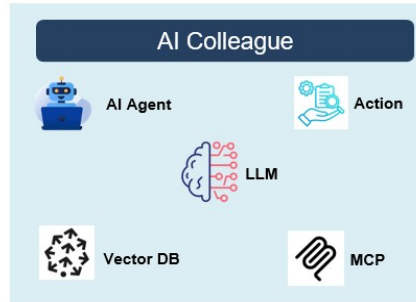
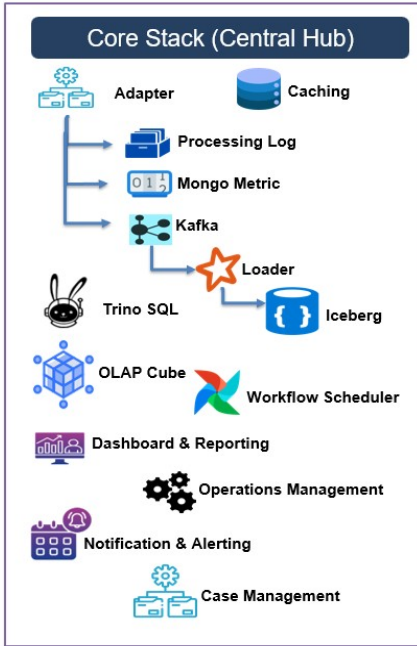
- AES-256 encryption at rest; TLS 1.3 in transit
- OAuth2/OIDC SSO — no passwords stored in platform
- Query-level RBAC enforcement at the data layer
- Field-level PII masking and tokenisation
- OWASP Top 10 compliance + WAF protection
- Immutable audit trail for all user and AI activity
- AI guardrails — content filtering on all LLM outputs

DATA GOVERNANCE & QUALITY

- Automated quality scoring: Completeness, Accuracy, Consistency, Timeliness, Validity, Uniqueness
- End-to-end data lineage and impact analysis
- Centralised data catalogue and business glossary
- Configurable retention, automated archival, and secure deletion
- Apache Ranger — centralised policy enforcement

SOLUTION DIAGRAM

From raw data to intelligent action — in a single integrated platform.



Contact info@gammanalytics.com to schedule a platform demonstration
www.gammanalytics.com