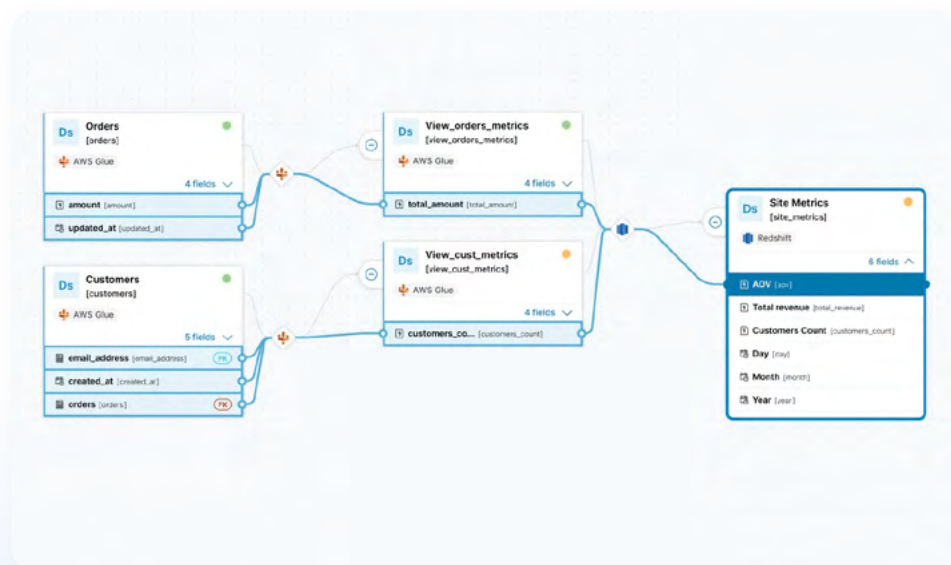


Automated End-to-End Data Lineage at Enterprise Scale

Go beyond traditional tracking by tracing individual fields from source to destination

Data lineage is essential for enterprises to ensure transparency, compliance, and trust in their data assets. It provides a clear, end-to-end view of data's journey, from source through transformations, to its ultimate use in analytics, reporting, or AI models. This visibility is crucial for ensuring regulatory compliance, facilitating rapid troubleshooting, and maximizing the value of data-driven initiatives.



Key Use Cases for Context-Rich Data Lineage

Regulatory Compliance and Auditing

Demonstrate adherence to regulations like GDPR, HIPAA, BCBS 239, ISO, or REACH by providing a clear, verifiable trail of sensitive data.



Knowledge-Graph Powered Data Lineage

Obtain a 360° view of your catalog items that is dynamic, semantically rich and an intelligent alternative to static data lineage. Transform compliance from a reactive, documentation-heavy, task into a proactive, smart, and continuously verifiable process.

Root Cause Analysis and Data Quality Troubleshooting

Quickly identify the origin of data quality issues, inconsistencies in reports, or errors in AI models.



Field-Level Traceability

Identify the root cause and troubleshoot data quality issues by closely tracking each data field in the data pipeline, rather than using traditional high-level data lineage. Offer a comprehensive, granular, and actionable understanding of data's complete lifecycle.

Impact Analysis and Change Management

Assess the potential downstream effects of proposed changes to data models, pipelines, or underlying systems before implementation.



Impact Analysis

Assess downstream effects of data sources or data pipeline changes to prevent disruptions and ensure business continuity. Transform impact analysis from an imprecise, manual task into a precise, context-aware process, leading to risk-free change management.

Data Migration and Modernization

Plan and execute large-scale data migrations to new platforms (e.g., lakehouse) while ensuring data integrity and continuity.



Cross-System Data Flow Visibility

Get a visual intelligence layer of data assets and transformations across all platforms (cloud, on-premises, hybrid). Empowers data teams to accurately scope projects, prioritize efforts, and ensure data integrity, resulting in faster, cost-effective migrations and a modernized data ecosystem.

Data Governance and Trust Building

Establish clear data ownership, ensure data quality, and foster trust in data assets across the organization.



Automated Lineage Mapping

Discover, document, and visualize data flows, eliminating the manual effort and human error associated with traditional, labor-intensive lineage processes. Provide a clear, unbiased, and verifiable record of data's origin, transformations, and usage, resulting in a reliable foundation for AI, governance, and compliance.



"The Actian Data Intelligence Platform makes it easy for them to figure out what data products we have, where the data is coming from, and in what visualizations the data gets used."

Want to see Smart Lineage in Action?

[Take a Product Tour >](#)

About Actian

Actian empowers enterprises to confidently manage and govern data at scale with flexible solutions that work across on-premises, cloud, and hybrid environments. The data division of **HCLSoftware**, Actian delivers data management and intelligence solutions that accelerate AI-ready data delivery. Learn more at actian.com.

