Knowledge Refinery®

Discover the only patented AI Engine that delivers comprehensive knowledge for your transformation projects. Create efficient data architectures, remove data duplication, confirm referential integrity, and deliver accurate Master Data Management.

Capture more knowledge to ensure accurate and accessible data.

Keeping pace with the changing needs for data accuracy, integrity, security, and compliance is an ever-evolving struggle—for both the organization managing the data environment and the operational teams who rely on the data.

In today's complex data environment, data *resides* (data-at-rest) in distributed data lakes, with a multitude of databases and associated tables on-premise and in the cloud. Data *flows* (data-in-use and data-in-motion) through the expanse of your business applications and is reshaped, transformed, accessed, stored, and measured. Most organizations have separated data management into data storage and data flow (how applications shape the data), creating gaps in the data knowledge.

Eliminate gaps by creating an integrated and comprehensive knowledge baseline that delivers transparency and traceability of your data. This is the foundation for successful outcomes in any data transformation project. Extracting this fundamental knowledge accelerates and provides accuracy for your data management, modernization, migration, audit, compliance, and resilience.

Experience the KR Platform.

Schedule your demo at hathasystems.com/contact/

Who needs KR?

Any organization that is updating its data environment needs KR. Without KR's comprehensive transparency, you're not seeing your data inaccuracies, operational inefficiencies, and lack of proof for data compliance and resilience. *Seen or unseen, this can result in millions of dollars in cost increases and penalties.*

KR can be leveraged by organizations or by their services and technology partners to ensure accurate, scalable results as your data environment evolves.

Extract, strategize and plan

Translate & Migrate

Data Clean-Up & Validation

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KR is Mandatory for Successful Data Transformation

Extract, Strategize, Plan	Translate (As-Is) and Migrate (To-Be)	Data Clean-Up and Validation	Audit, Compliance, and Resilience Analysis
ACTIVITIES Extract & Analyze Data Schemas Extract & Analyze Stored Procedures (SP) Extract & Analyze Data Lineage (data in motion and data in use) in business applications ⚠ Establish application interface requirements ⚠	**ACTIVITIES** Translate Schemas Translate Stored Procedures Design Complete Referential Integrity ⚠ Remove comprehensive data duplication and clean-up data replication ⚠ Validate Data Lineage ⚠	**ACTIVITIES** Validate Schema Implementation (duplicate & RI reconciled for operations) Validate Stored Procedure Implementation Validate Referential Integrity ⚠ Update Data Lineage ⚠ Create a new Knowledge Repository ⚠	**ACTIVITIES** Update Knowledge Repository: Extract and Analyze latest Schema and Data Flows (SP & Data lineage) ⚠ Extract and Analyze Business Workflow plus applied terms and rules ⚠ Create and run queries and reports against knowledge ⚠
ARTIFACTS Schema Diagrams SP Inventory Data Lineage Diagrams ⚠ System Diagrams ⚠	**ARTIFACTS** New Schema Diagrams New SP Inventory Updated Data Lineage ⚠ Updated System Diagrams ⚠	**ARTIFACTS** New baseline documentation of Migrated Data ⚠ Master Data Management (MDM) structure, now closely aligned with operational workflow ⚠ New Knowledge Platform for Future Analysis ⚠	**ARTIFACTS** Comprehensive Documentation of Digitized Operations ⚠ Updated Package of Audit, Compliance and Resilience Queries to run against knowledge ⚠ Audit, Compliance & Resilience Report ⚠

⚠ *Activities performed and artifacts delivered **ONLY** with KR (© Hatha Systems LLC).*

Knowledge Refinery is the missing link that gives your organization power over your data, making it more valuable and impactful.

Get a Demo →
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KR Advantages include:

Scalable Database Migrations: Multiple instances of KR can be used by teams supporting parallel activities to get accurate outcomes faster. (e.g. Sybase to Oracle).

Quick and accurate translation: Translate your schemas and stored procedures (SP) faster with KR's automated AI Engine.

Accurate Data Transformation: Clean and transform your data with comprehensive knowledge and a full perspective of your schemas and flows.

Unbroken Referential Integrity: Prevent and close gaps in your data across siloed operations.

Permanent and updatable knowledge repository: For the first time, you can keep and access comprehensive data views for ongoing planning, audit, compliance, and resilience needs.