


# Rivium for MarkLogic



**RIVIUM**  
KNOWLEDGE THROUGH DISCOVERY

 Rivium is a smart data discovery platform that helps non-technical qualitative researchers and analysts quickly find, visualize, and analyze relevant data from their organizations' unstructured data resources. It supports unique complex analysis needs underserved by existing analytics and user interface applications.

## Dramatically increases analyst productivity

Traditional cut and paste data curation and Microsoft Office™ based report production can consume as much as 80% of a highly skilled analyst's time. Rivium's faster data discovery and efficient workflows cut data munging chores to as little as 20%.

## Works with technology you already have

Rivium has an extensible architecture with APIs for easy customization or integration with your existing COTS data ingestion, business intelligence, statistical, or predictive applications. The modular visualization layer allows direct integration with any other visual tool's API.

## Enforces security and access policies

There is no need to duplicate security policies for Rivium. The platform automatically accepts and enforces the access settings already defined in your MarkLogic database.

## Reduces data storage and email costs

Rivium's collaborative workspaces and online source sharing eliminate the need to store personal copies of data sets or constantly email multiple versions of analysis and report documents.

## Extends the value of your big data investments

Rivium's simple user interface democratizes your organization's data, putting it into the hands of more people who can solve problems and drive innovation. It encourages self-service data discovery and frees busy data science teams to focus more time on high value projects.

## A natural extension for MarkLogic

Rivium is document-centric and schema-agnostic. It natively leverages MarkLogic's most advanced database capabilities: federated search, nested faceting, semantics, object-based intelligence (OBI), alerting, bi-temporal data, and geospatial features.

Ideal for analysts  
and researchers

Intelligence

Geo-political

Scientific

Medical/biotech

Economics

Academic research

Business strategy

Competitor tracking

FOIA compliance

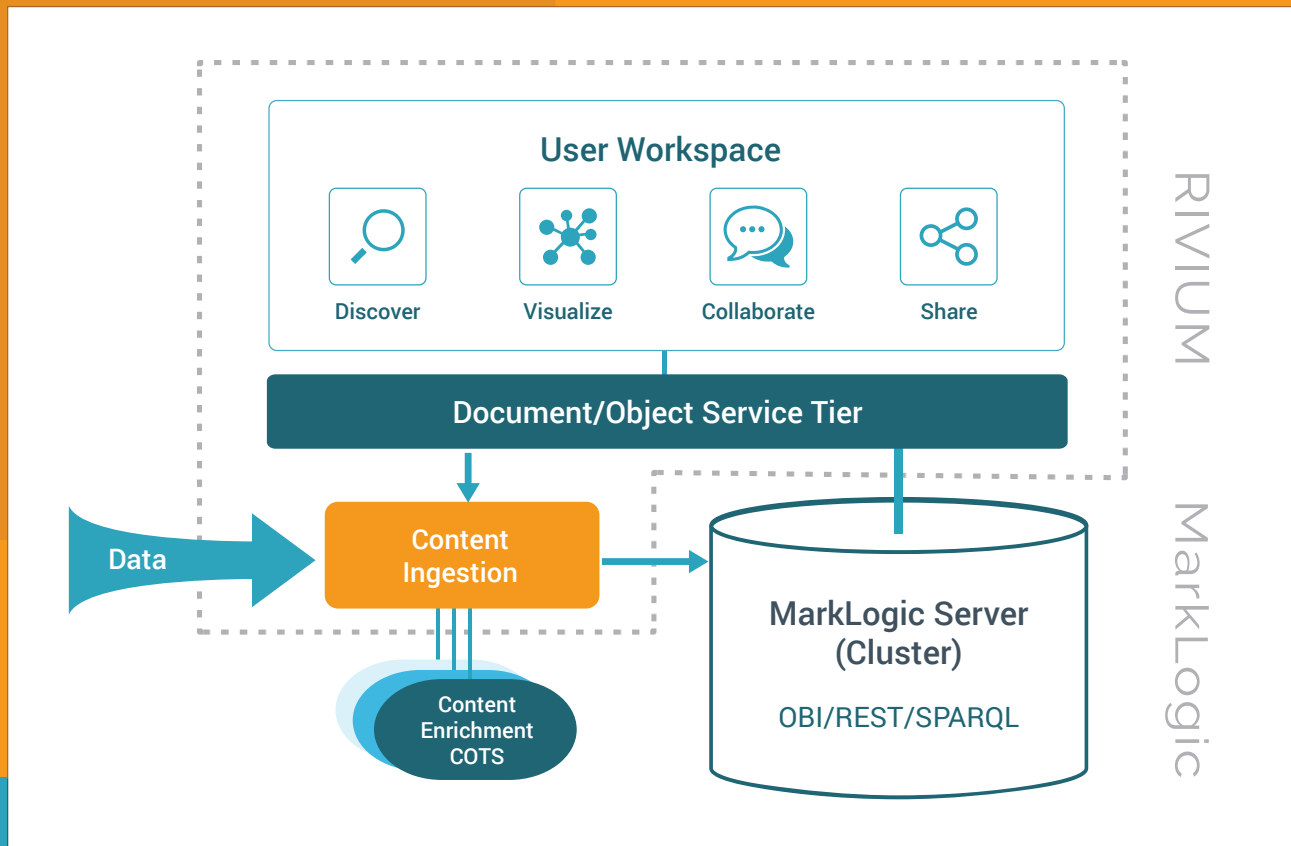
Redaction

Reclassification

eDiscovery

Document retention

# ARCHITECTURE



Rivium is designed to harness and deliver the most unique and advanced MarkLogic capabilities.

- Document-centric and schema-agnostic
- Federated search
- Semantics
- Flexible replication/disconnected
- Alerting
- Object based intelligence (OBI) and object modeling
- Nested faceting
- Bi-temporal data
- Element/value level security (PL4)
- Microdata

## About Rivium

Rivium is a smart data discovery platform that helps analysts and researchers quickly find, visualize, and analyze relevant data in any format from both internal and external sources. Shareable workspaces foster collaboration and streamline analysis workflow while dynamic online reports deliver insights in convenient, easily updatable formats.

Rivium was developed by a group of analysts and engineers who identified two significant opportunities for using unstructured data to improve complex analysis. First, while many solutions focused on handling "big data" volume, few truly focused on tackling its complexity. Second, end users' real world needs were often neglected or misinterpreted by software developers. To see how Rivium can enhance your analysis, request a demo today.



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