


# Dataavid Rover: The semantic data platform powered by MarkLogic




Dataavid Rover is an **extensible data platform** designed to help you extract knowledge from varied data sources by classifying real-world concepts automatically, building rich knowledge graphs, running natural language searches, and uncovering previously-unavailable insights.


Whether you're involved in clinical research, focused on maintaining standards and compliance, conducting scientific studies and publishing the results, or seeking advanced semantic search capabilities for your customer-facing products, **Dataavid Rover offers various benefits:**




**Accelerate the development** of a data hub, warehouse, or lake by up to 5 times (1-2 mos instead of 8-10)



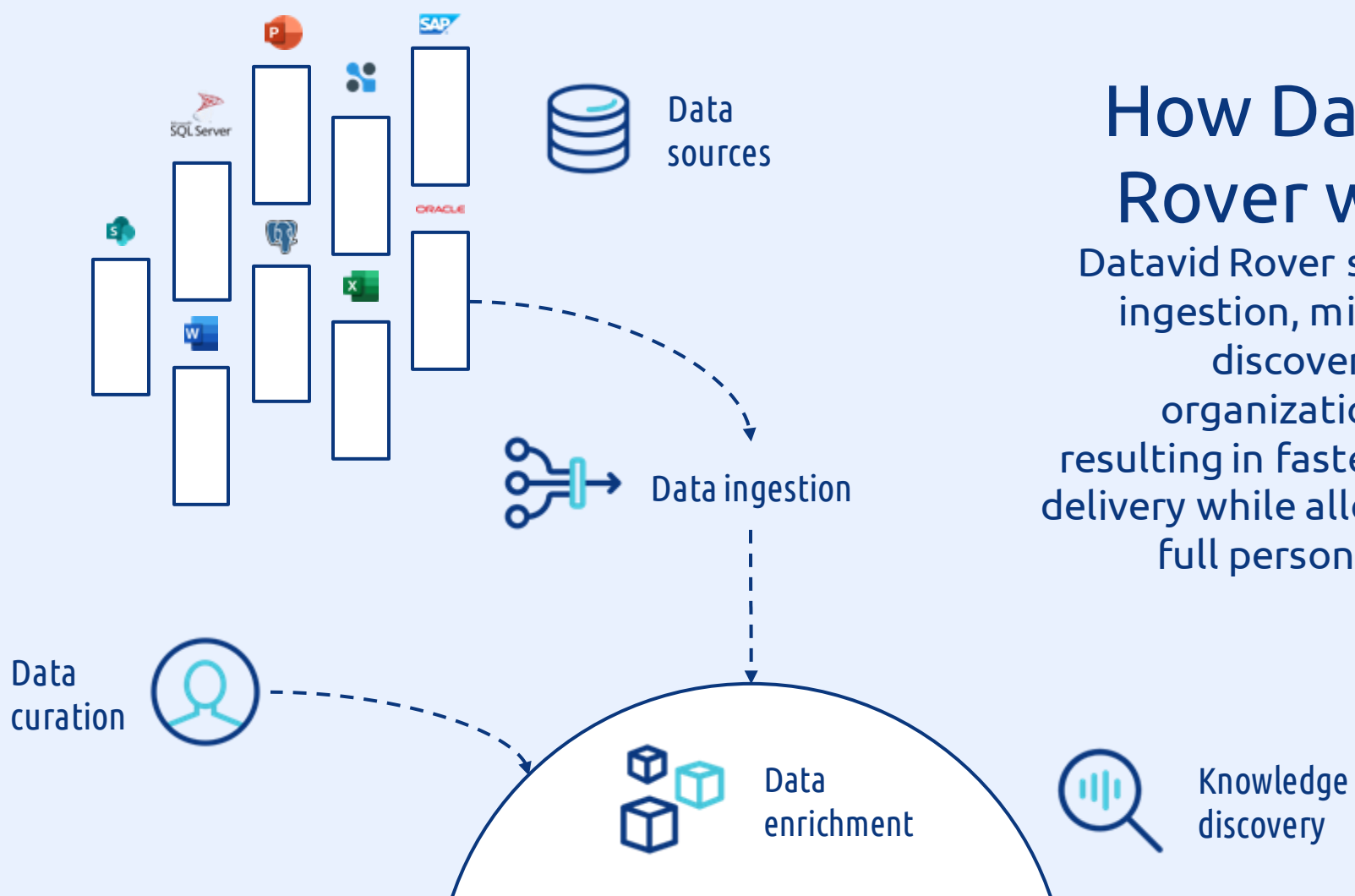
**Reduce the total ownership cost** of a data platform by outsourcing the infrastructure maintenance.



**Integrate your data**, eliminate silos, build knowledge graphs enable semantic data capabilities.



**Discover hidden knowledge faster** with ready-made visualizations to help you navigate your knowledge graph in detail.



## How Dataavid Rover works







Dataavid Rover simplifies ingestion, mining, and discovery of your organization's data, resulting in faster project delivery while allowing for full personalization.

The screenshot shows the Dataavid Rover user interface. At the top, there's a search bar with filters for 'BankingSubdomain1', 'BankingSubdomain2', 'Invoice', and 'Language = EN'. Below the search bar, there are several filter buttons for categories like 'Person (123)', 'Norp (102)', 'Facility (101)', 'Organisation (93)', 'GPE (92)', 'LOC (89)', 'Product (82)', 'Event (78)', 'Work of art (73)', 'LAW (71)', 'Language (68)', 'Date (62)', 'Time (59)', 'Percent (59)', 'Money (57)', and 'Quantity (56)'. The main content area shows a summary of 2,341 files with a breakdown by document type (EXL, DOC, PDF) and by domain (FINANCE, BANKING). Below this, there are search results for 'Documentname123456' with columns for document type, domain, document type, date, and internal/external status.

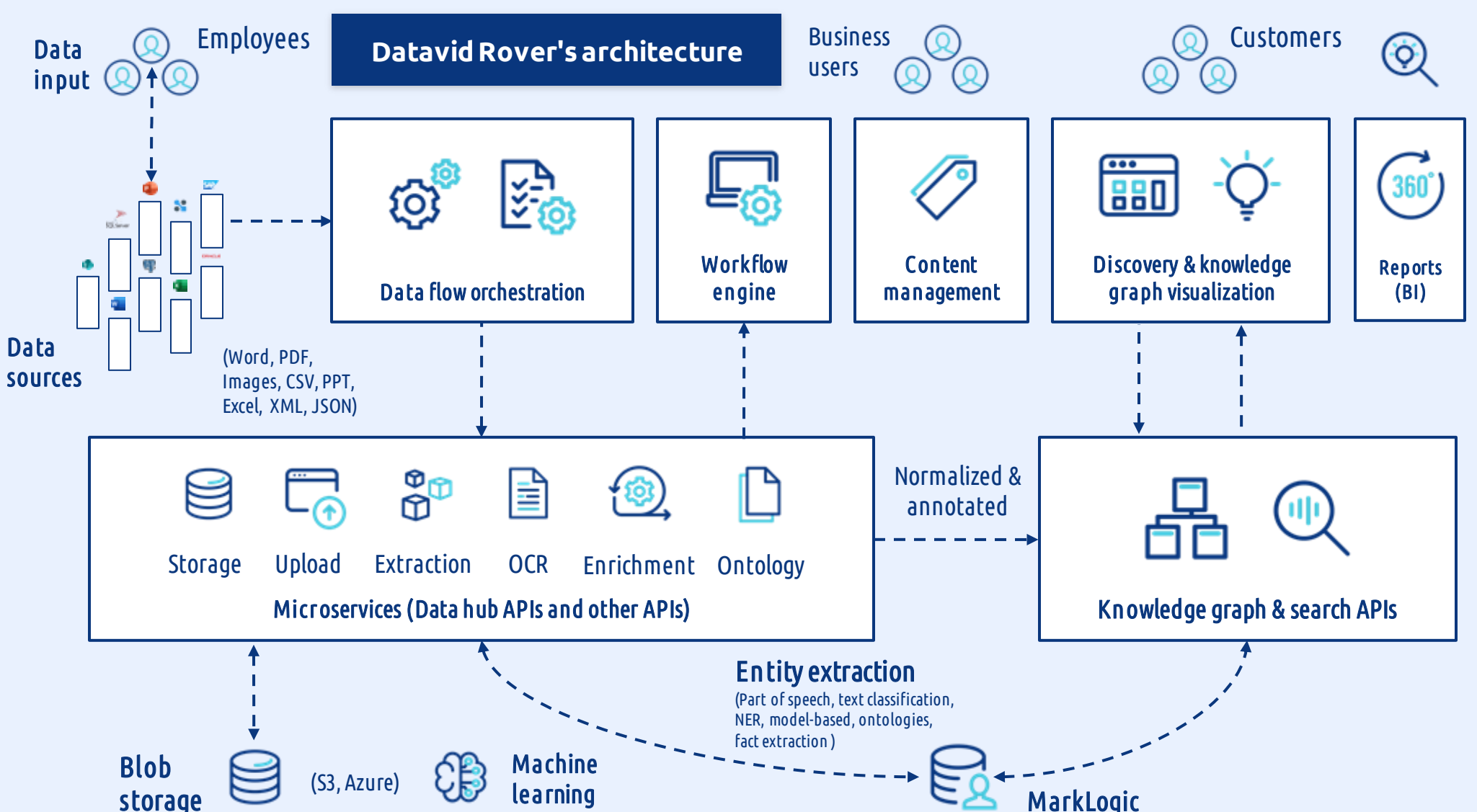
# Dataavid Rover: Capabilities



Because of its flexible architecture, Dataavid Rover enables you to access a **host of powerful semantic capabilities** that extract additional value from your data, giving you the tools to unlock use cases like faster scientific research, 360-degree compliance monitoring & more.

 <p><b>Named entity recognition</b> Detect entities from raw text and give structure to your data, making it machine-interpretable by grouping under predefined categories.</p>	 <p><b>Cognitive search</b> Contextualize the results of your search queries to find the most relevant information quickly instead of sifting through hundreds of files.</p>
 <p><b>Enrichment and classification</b> Enrich, classify and index domain-specific entities defined in your custom ontologies or taxonomies, increasing data quality and expediting knowledge discovery.</p>	 <p><b>Data integration</b> Dataavid Rover integrates structured and unstructured data from underlying data silos, building a data hub or lake that supports your most pressing business needs.</p>
 <p><b>Knowledge graphs</b> Showcase comprehensive and interconnected visualizations of data with rich entity relationships that power use cases like drug research and fraud monitoring.</p>	 <p><b>Exposed programmatic APIs</b> Relevant to application extensibility are the modular, secure, flexible and easily modifiable APIs that enable you to leverage your enriched data from any app.</p>

Built from the ground-up to support any data format and extract relevant business information, Dataavid Rover's strength lies in its architecture. From raw data to knowledge discovery, every aspect of the platform is designed to **speed up the development of your data projects**.



# Datavid Rover: Technical features



Behind the scenes, Datavid Rover abstracts away a lot of the technical hassle that comes with maintaining a data platform, allowing you to focus on delivering valuable data insights to your business. Here are some of the **key technical features** that it supports:



## Out-of-the-box data connectors

Datavid Rover allows you to ingest data from more than 150 data sources—including cloud storage, data lakes, SaaS applications, and ERPs.



## Ontology & taxonomy support

Datavid Rover supports custom ontologies and taxonomies as the foundation to building your own knowledge graph.



## Built-in data pipeline

Datavid Rover incorporates a configurable data pipeline to help you turn data into actionable insights, removing the need for maintenance.



## Agnostic to your preferred apps

Datavid Rover integrates with your preferred BI applications out of the box, and it provides flexible APIs to build your own apps.



## Microservices based architecture

Plug in your preferred ML model or rule based classification model into Datavid Rover for automated data classification that reflects your unique business needs.



## Multi-model data platform

Powered by MarkLogic, Datavid Rover allows you to process any data format, build multi model knowledge graphs, and run deep semantic searches.



## Component driven user-interface

Explore your knowledge graph as you ingest new data thanks to Datavid Rover's modular UI, offering a plug-and-play experience.



## Fact extraction

With the ability to connect any ontology and ML model, Datavid Rover's native integration with Semaphore helps you extract facts from hundreds of documents automatically.

## Want to learn more?

Reach out to the Datavid team for any further questions on Datavid Rover!



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You can also check out more benefits and capabilities of Datavid Rover directly on our website.

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