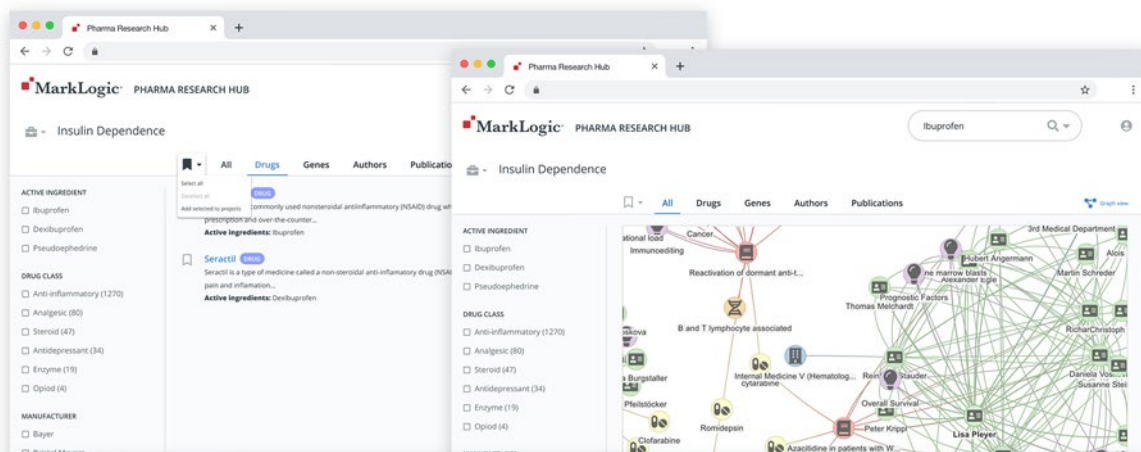


Data Hub Service for Pharma R&D

For pharmaceutical companies, the discovery of new molecules and the cost of developing a successful medicine can take up to 15 years and \$2.6 billion—slowing potentially life-saving drugs from getting to the patients who need them and resulting in abandonment of drug trials when faced with potential failure. In this industry, even small improvements to streamline R&D processes can lead to substantially higher revenue and lower costs. To achieve those goals, pharmaceutical companies need to leverage their massive data assets that include decades of research and clinical trial data. But it's often difficult for researchers to access the information they need.

Quickly Access and Synthesize Research Data

Tailored specifically for pharma, the Data Hub Service for Pharma R&D is a single pane of glass that provides easy access to the widest possible array of R&D data available. Whether it's publications, authors, genes, or drugs—structured and unstructured, public and private—it's all made available through the hub. Because data is integrated 10x faster than with custom-developed solutions, users gain faster access to more data. And, as it's delivered as an enterprise cloud service, it deploys in minutes with no IT management burden and a level of security and scalability that other solutions can't match.



Critical Benefits That Accelerate Pharma Research

Advanced Discovery and Collaboration

Powered by advanced capabilities—semantics, fuzzy matching and AI, relevance ranking, and rich metadata—the hub delivers the highest-quality search results possible, then makes it easy to securely share results with colleagues, and stay alerted to any changes in the data.

10x Faster Pharma Data Integration

The hub ensures that researchers have all the data they need at their fingertips because it's all quickly integrated using MarkLogic's fast data pipelines. With the hub, researchers have the data they require, and IT isn't weighed down by complex data integration.

Built on a Trusted Enterprise Platform

The hub is built on the MarkLogic Data Hub Platform—a secure, enterprise-grade system that can be scoped to small data sets or scaled to petabytes. And, because it's deployed as an automated cloud service, you can trust MarkLogic to expertly manage the infrastructure—freeing up your IT department.

Key Features

Load any pharma data set – Start with pre-loaded data sources for publications, authors, drugs, and genes—and easily expand and scale. It’s not how many sources you start with, it’s how fast you can load and harmonize data relevant to your research.

Customize search results – Tweak the search results by adjusting weighting, relevance scores, and exclusions (researchers can do this without IT)

Save, share work packages – Aggregate search results (key publications, experts, compounds, and more) in one place for future reference and sharing with colleagues.

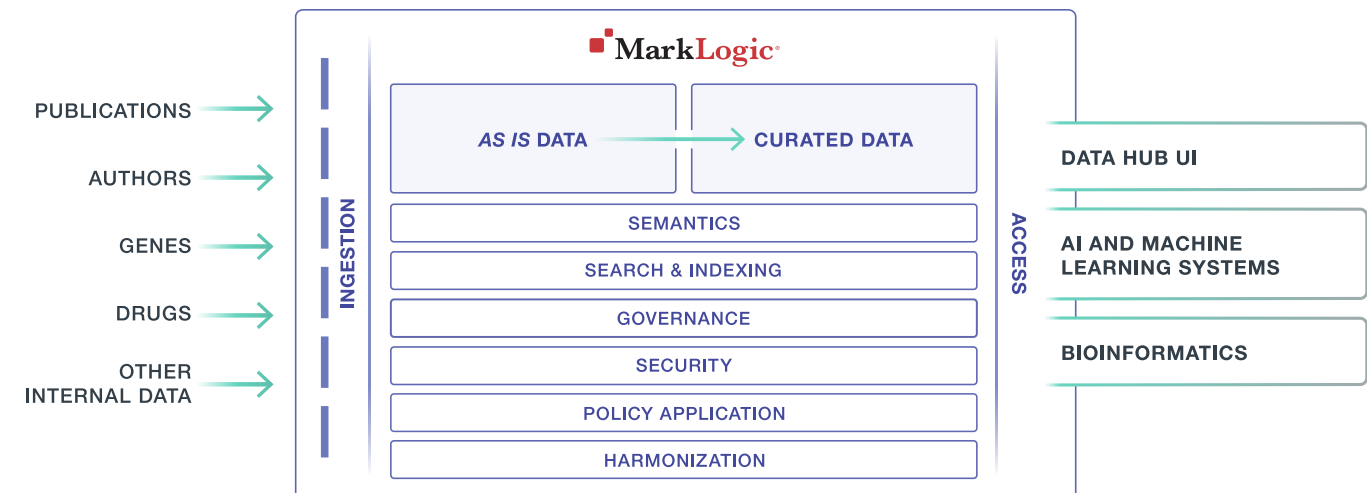
Leverage AI and machine learning – Get better search results on higher quality data mastered using MarkLogic’s Smart Mastering feature. You can also apply quality rules to data exports sent to bioinformatics and AI systems outside the hub.

Get notification and alerts – Receive notifications and alerts on new information immediately when it becomes available or is updated in the hub.

Visualize relationships – View, navigate, and search the graph of connections in your data by leveraging all the inherent relationships.

Powered by the MarkLogic Data Hub Platform

The Data Hub Service for Pharma R&D is powered by the MarkLogic Data Hub platform. The platform is designed to simplify data integration and quickly provide a 360°, low IT costs, and enable safe data sharing.



About MarkLogic

By simplifying data integration, MarkLogic helps organizations gain agility, lower IT costs, and safely share their data. Headquartered in Silicon Valley, MarkLogic has offices throughout world. Visit www.marklogic.com for more information.