

Transforming Healthcare Data Access with AI-Powered Cataloging

Current State

A global healthcare and life sciences company, boasting a vast data platform built on a leading cloud ecosystem, faced a common challenge: their valuable data assets were siloed and difficult to access for many employees.

Desired State

The company envisioned a future where data was democratized, readily available to analysts, engineers, scientists, and executives alike. They sought a solution that would empower users of all technical levels to easily access and extract relevant data insights, all while maintaining robust security protocols.

Challenge

Internal teams lacked expertise in advanced analytics. They needed a user-friendly system that could simplify data access, answer complex queries in natural language, and protect sensitive information.

Solution Framework

01 Analysis

We analyzed diverse data sources, including Veeva, Affinity, Marketing, Sales, Invoicing, Rep Notes, and HR data, spanning multiple countries. Our goal was to create a solution that provided both granular insights and ease of use.

03 Benefits

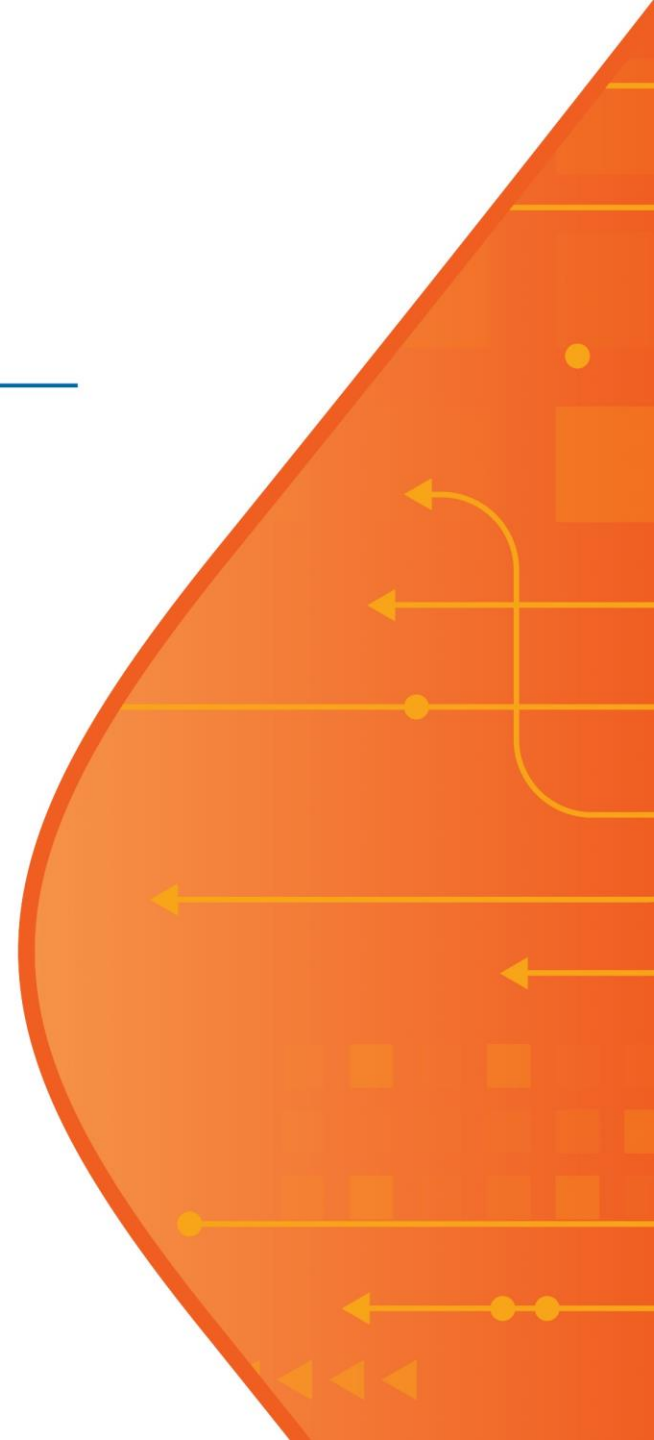
The new cataloging system empowered teams across the organization:

- **New Hires:** Accelerated onboarding and productivity with quick access to essential information making new hires productive sooner.
- **Cross-Team Collaboration:** Cross-team data sharing became seamless, improving efficiency and eliminating redundant efforts.
- **Department Identification:** Enabled swift identification and contact with relevant departments for specific information needs.

02 Methodology

Quation developed a cutting-edge, AI-powered cataloging solution with the following key features:

- **Intuitive Interface:** Developed a user-friendly interface powered by Generative AI, enabling users to effortlessly query datasets, domains, therapeutic areas, teams, and organizational structures.
- **Internal Knowledge Base Integration:** Built an internal knowledge base, powered by Generative AI, providing accurate answers to user queries.
- **External Search Integration:** The system seamlessly integrated with Google search to access external sources when needed, ensuring a comprehensive knowledge base.
- **Robust Filtering:** Implemented robust filtering options allowing users to easily refine results, ensuring responses meet specific user needs.



Impact

Outcome

The prototype successfully demonstrated the **power of AI-driven cataloging**, significantly **improving data access** and utility. Users across various roles could efficiently **retrieve data** using **natural language**, fostering a data-driven culture and enhanced operational efficiency.

Long Term Benefit

The Generative AI chatbot revolutionized data access within the organization. By offering intuitive, **real-time data** retrieval, it enabled faster, more informed decision-making, **streamlined workflows**, and unlocked the full **strategic potential** of its data assets.

