

# Accelerate Your Data-driven Success with Data Fabric: Seamlessly Connect, Manage, and Analyse Your Data

## Introduction

In today's rapidly evolving business landscape, the importance of data cannot be overstated. It is the lifeblood of modern organizations, powering everything from strategic decision-making to operational efficiency. However, as the volume and variety of data sources continue to grow, many organizations are struggling to effectively manage and harness the full potential of their data.

**Data Fabric represents a new paradigm in data management, enabling organizations to overcome the challenges of traditional data silos and legacy systems.**

By seamlessly connecting data from disparate sources, Data Fabric creates a unified view of data that can be easily accessed, analyzed, and acted upon in real-time. This revolutionary approach to data management is empowering organizations to drive innovation, increase efficiency, and achieve better business outcomes.

This white paper is designed to provide a comprehensive understanding of Data Fabric and its benefits. It will cover the key features and components of Data Fabric, explore the advantages of using Data Fabric for data management, and provide practical insights on how to successfully implement Data Fabric within your organization. Whether you are a business executive looking to leverage data to drive growth, a data analyst seeking to extract insights from complex data sets, or an IT professional responsible for managing data infrastructure, this white paper will equip you with the knowledge and tools necessary to fully realize the power of Data Fabric.



## Global Trends and Future Prospects: Navigating the World Outlook in an Uncertain Era

Data Fabric is revolutionizing the way organizations manage and utilize data. With the exponential growth of data from various sources such as IoT devices, databases, and applications, businesses are faced with the challenge of efficiently managing and analyzing it to make informed decisions. Data Fabric is a modern data management technology that provides a unified view of data across disparate sources, enabling real-time data insights and decision-making.

**The global Data Fabric market is expected to grow at a CAGR of over 20% from 2021 to 2028, driven by the increasing need for data integration and real-time analytics, the rising demand for cloud-based solutions, and enhanced data security and compliance.**

North America is the largest market for Data Fabric, due to the early adoption of Data Fabric solutions and the presence of leading technology providers. However, the Asia-Pacific region

is expected to witness the fastest growth, driven by the increasing adoption of cloud-based solutions and the rising demand for real-time analytics in emerging economies like India and China.

The industry outlook for Data Fabric is very positive. According to a report by MarketsandMarkets, the global data fabric market size is expected to grow from \$977 million in 2020 to \$4.2 billion by 2025, at a compound annual growth rate (CAGR) of 34.6% during the forecast period.

**The growth of the Data Fabric market is being driven by several factors, including the increasing volume of data generated by organizations, the need for real-time data access, and the growing adoption of cloud-based solutions.**

According to Forrester, 60% of organizations will expand their BI fabric investments. 60% of CIOs/chief data officers will pick the battles they can win and concentrate on technologies to integrate multiple BI platforms such as data catalogues, a common semantic layer, and BI portals (a collection of technologies Forrester calls BI fabric).

The Augmented BI platforms landscape report by Forrester defines augmented BI platforms as software that combines AI with enterprise reporting and analytics to provide a range of functions, including descriptive and diagnostic analytics, data visualization, reporting and dashboarding functionality, data integration, and advanced predictive and prescriptive analytics based on statistical analysis and machine learning.

**Forrester Research has recognized SCIKIQ, a data fabric platform developed by Data and Analytics Services Pvt Ltd, as a Notable platform in the augmented business intelligence (BI) platforms landscape Q1 2023 report. SCIKIQ has been acknowledged for its ability to support the development of domain-specific applications and use cases, making it a versatile data fabric platform. This report is Forrester's Overview Of 34 Vendors in the Augmented BI Platforms landscape.**

**The report is authored by Forrester Vice President and Principal Analyst Boris Evelson and other leading Forrester analysts**

Forrester predicts that the BI fabric market will continue to grow in 2023 as more BI vendors open their APIs for integration with all your organization's BI platforms.

According to a report by Deloitte, global M&A activity in the technology sector, which includes data companies, remained strong in 2020 despite the COVID-19 pandemic. In fact, there were a total of 3,732 technology M&A deals completed in 2020, totalling \$634 billion in value. This was a slight decrease from 2019, which saw 3,840 deals worth \$698 billion, but still a relatively high number. Nevertheless, none of them has created a technology on their own. Enhancing their offering through mergers and acquisitions.

**Companies are buying other companies to build capabilities as Data Fabric rather than building their own.**

Data Fabric is a game-changing technology that is transforming the way organizations manage and utilize data. With its ability to seamlessly connect, manage, and analyse data from any source, Data Fabric is poised to drive innovation, improve efficiency, and deliver better business outcomes. As the market continues to grow, businesses can expect to see new entrants and continued innovation in the space.

# Data fabric

## Technology



Data fabric can be defined as a unified architecture that lets you manage and organize your data that is spread over multiple platforms and environments to create single 360 degree view of data and enables data access to any member of an organization and in real-time. The ultimate aim of data fabric is to create a single view of data which is accessible to everyone.

A data fabric Leverages automation & AI capabilities for faster implementation, cost savings and eliminates the need for multiple data vendors or multiple solutions. A comprehensive Data fabric solution includes, data integration, data curation, data governance and data visualisation, all of these modules work with heavy AI and ML applications taking care of Data cataloguing, Active meta data, data lineage and Data protection, security at the same time to bring the one clean view of data without compromising on data quality.

It lets you connect to data that is spread in cloud, hybrid, multi-cloud, real time sources, physical premises, and much more. It helps you avoid data silos, and lets you access your data in real time, which increases your efficiency thereby reducing your costs.

One of the objectives of data fabric should be access of data to business users and let them leverage the data for business growth.

**According to Gartner, the use of data fabrics can lead to a reduction of "30% in integration design time, 30% in deployment time, and a whopping 70% in maintenance time. The adoption of data fabric platform can significantly increase data utilization efficiency by four times, while reducing human-driven data management tasks by half."**

Overall, the industry outlook for Data Fabric is very positive, and the technology is expected to continue to grow in popularity as organizations look for ways to manage their data more effectively in an increasingly complex and data-driven world.

# Architecture

Data Fabric provides organizations with a way to manage their data across multiple environments, including on-premises, cloud, and hybrid environments. This makes it easier for organizations to integrate and manage their data, which can lead to improved decision-making, increased productivity, and reduced costs.

SCIKIQ is revolutionizing the world of data operation by cutting edge data fabric With its AI-powered platform, SCIKIQ provides medium to large companies with the capability to manage data across multiple systems, topographies, legal realities, and functions, all in real time. Unlike traditional data operation results, SCIKIQ eliminates the need for multiple data merchandisers, performing in significant cost savings and briskly perpetration.

## What advantages does ScikIQ offer?

Scikiq's platform aims to accelerate the organization's business transformation by providing business users with faster and more reliable access to data. The platform achieves this goal through its innovative use of automation and AI, simplifying data management and reducing costs, installation time, and the need for multiple data vendors.

What sets Scikiq apart from its competitors is its focus on placing the business lens and context on data, rather than simply providing a new tool or methodology for faster compute and storage. This approach promotes data literacy and adoption throughout the organization by making it easy for business users to access and analyze their data, without requiring extensive technical training or expertise.

Moreover, Scikiq's platform is highly flexible and scalable, allowing businesses to customize it to their unique needs. This level of customization is not typically available with other solutions, which often result in siloed data and limited cross-functional collaboration.

Overall, Scikiq's emphasis on ease of use, business-centric approach, and flexibility makes it an excellent choice for organizations seeking to quickly extract insights from their data and drive growth.

## What are major benefits?

Integration with Major Data Stores: Use out of box integration, Connect any data source, ingest any structured and unstructured data

Visual No Code: Build for business users, ease of use, a simple no code platform, use drag and drop to manage your data. Self-learning platform,

Hybrid/ Multi-Cloud Platform: Cloud agnostic, environment agnostic. Build on top of any data environment. SCIKIQ architecture is designed specifically to address the challenges facing the complex hybrid data landscape.

Cost Effective: Compared to old tech and change management, SCIKIQ is easily deployable and delivers a trusted and real-time view of data across an enterprise in days or weeks instead of months and years.

Fast, Secure and Self-Serve Platform: The platform transforms the way Data is acquired, curated, consumed, and governed to create business value. Through its No Code, Drag and Drop User Interface, business teams can focus on decisions and outcomes.

SCIKIQ roadmap provides a clear path towards successful data management, monetization, and exchange. By guiding organizations from efficient data management to data monetization and ultimately to successful data exchange, SCIKIQ helps them unlock the full potential of their data assets. With step-by-step approach, organizations can optimize decision-making, improve collaboration, and increase revenue generation for a competitive advantage in the digital age.



# Contact Us

Know more about **SCIKIQ** and learn all the platform capabilities like **Data Integration, Data Governance, Data Curation**, and more. Check the general **FAQ** on the platform.