

Data Fabric

Combination of architecture and technology that is designed to ease the complexities of managing many different kinds of data, using multiple database management systems, and deployed across a variety of platforms. The data can be processed, managed, and stored as it moves within the data fabric. A data fabric ensures various kinds of data can be successfully combined, accessed and governed efficiently and effectively.



Capabilities

- ◆ Autonomous Data Engineering
- ◆ Unified Data Semantics
- ◆ Centralized Data Security & Governance
- ◆ Data Management Visibility
- ◆ Agnostic To Platform & Application
- ◆ Future-Proofs Infrastructure
- ◆ Zero Data Movement

Benefits

- ◆ Provides single environment for accessing & collecting all data
- ◆ Enables simpler & unified data management
- ◆ Delivers greater scalability
- ◆ Avoids data silos
- ◆ Improves service & reliability
- ◆ Reduces reliance on legacy infrastructures & solutions
- ◆ Makes it easier to leverage the cloud
- ◆ Mitigates risk

Trends

- ◆ The global market for data fabric is predicted to grow from \$ 1 billion in 2020 to \$ 4.2 billion by 2026, at a CAGR of 26.3%
- ◆ According to Gartner, data fabric reduces the time for integration design by 30%, deployment by 30%, and maintenance by 70%
- ◆ According to an IBM's report, data fabric capabilities can lead to 430% performance improvement