

INFOSYS DATA GOVERNANCE SOLUTION

The goal of data governance initiatives is to manage data with the purpose of delivering timely, trustworthy, and relevant information that enables informed business decisions. Data governance is not just about data, but also about enabling clear ownership, compliance with business rules, operational capabilities, smart business tools and processes, easy decision-making processes, seamless stakeholder interactions, and business feasibility.

It is therefore gaining significant

importance in banks and other financial institutions, as:

- Data is growing at rates of up to 80% per year
- Bad quality data is resulting in 40% failure rates of new initiatives
- Mergers and acquisitions are causing disintegration of data between applications
- New and renewed regulatory mandates from central governing bodies such as **CCAR and BCBS239** are becoming increasingly difficult to comply with

In addition, the Federal Reserve has also enforced several regulations through the Comprehensive Capital Analysis and Review (CCAR) framework for large banks and financial institutions, collectively referred to as Bank Holding Companies (BHCs). Accordingly, banks have to own sufficient capital to maintain access to future funding, address obligations towards creditors, and more. As a result, banks have no choice but to channel their efforts towards big data-based lakes and augmented data warehouses for better information management.

Infosys Data Governance solution

The Infosys Data Governance solution helps banks and financial institutions by enabling:

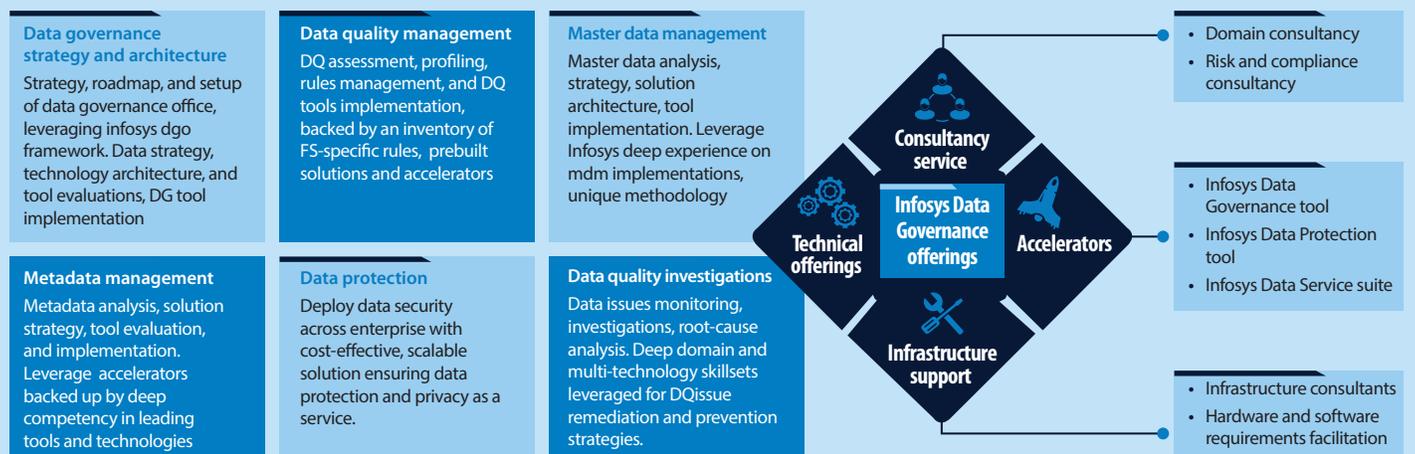
- **Collaborative data governance** – Actionable insights for all stakeholders in an organization; from the chief data officer to the IT support teams. It supports CCAR initiatives by providing single point access to data quality rules management, stewardship, and data quality metrics reporting, along

with traceability visualization.

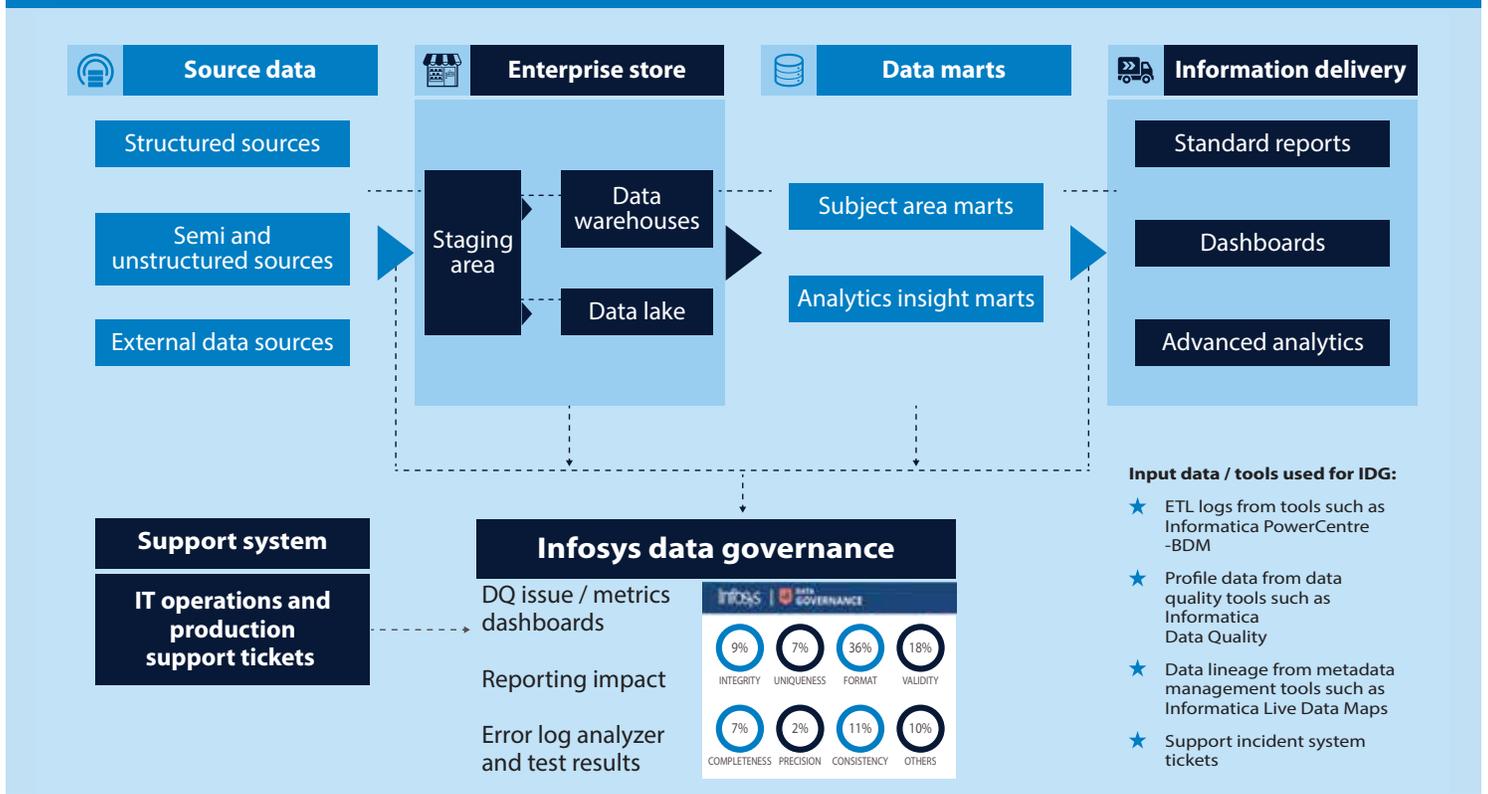
- **Metrics-driven data governance** – Enforces frameworks, metrics, and tools for measuring and analyzing data quality. It also enables enterprises to justify and sustain investments in data governance initiatives.
- **Next-generation information management systems** – Holistic data

governance metrics across both big data and traditional information management platforms.

- **Sophisticated data quality monitoring methods** – This is useful for various stakeholders in an organization and also enables traceability of data elements reported through data lake implementation for banks.



Solution architecture



Some of the key features of IDG are:

- Complements industry-standard data quality, metadata management, and ETL tools from various vendors such as Informatica, IBM, Ablnitio, etc.
- Works across big data lakes and traditional IM systems
- Achieves the core principle of accuracy lineage by providing intuitive metrics to various stakeholders in FS data governance, such as the chief data officer, data stewards, data managers, and operations teams; along with monitoring overall data quality for executive sponsors
- Identifies net transactional value under suspicion due to bad quality of data
- Maps data quality issues along the data lineage, from source to regulatory reports / downstream applications
- Provides traceability of impacted data elements, from reports to source systems
- **Generates a report of unhandled DQ issues** from support tickets to provide a 360-degree view of data quality
- **Provides advanced visualizations** like those available in cutting-edge tools such as Tableau and QlikView
- **Drives advanced analytics using NLP techniques** for text mining, in order to identify reasons for data quality incidents and application correlation

Success story

A leading, global financial services company that provides asset management, portfolio management, and mutual fund services was able to realize their enterprise data governance vision by implementing the Infosys Data Governance solution, along with data quality management and metadata management tools.

The client was able to better visualize metadata as well as data quality and its impact, thereby improving operational efficiency and **saving efforts of up to 60% for data quality check.**

For more information, contact askus@infosys.com

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