

INFOSYS INFORMATION GRID

Unlock value from data in the digital world @ scale

Enterprises are struggling to accomplish the goal of the data @ scale primarily due to reasons like – difficulty in adopting a technology focused approach, absence of Data Lake Management, continuous evolution of technology, federation of data, constant integration with newer data sources, ensuring compliance, ensuring security and meeting the need for an elastic and scalable platform.

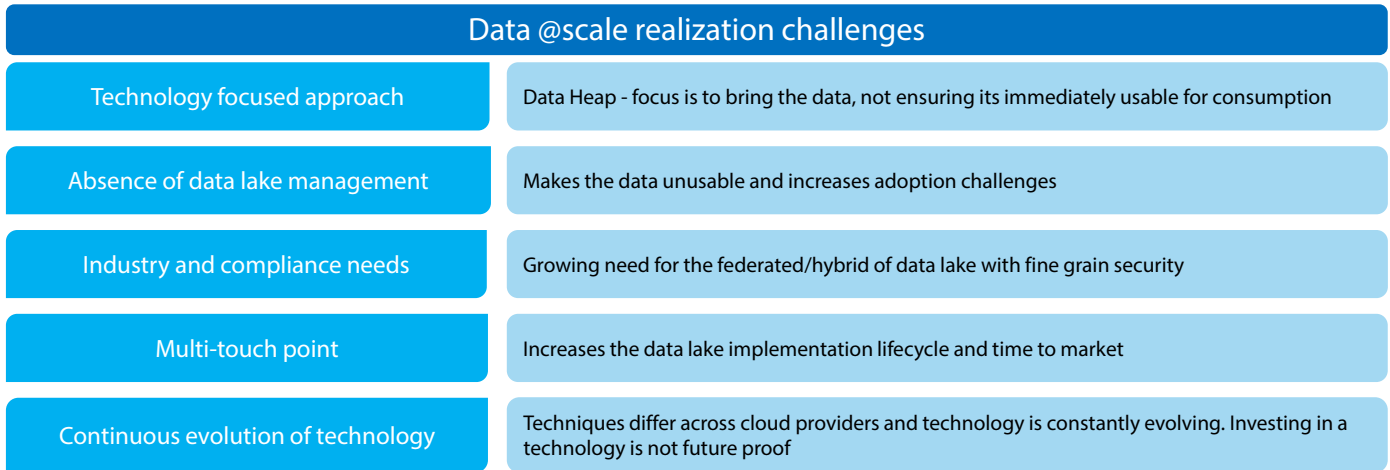


Figure 1: Data @ scale realization challenges

Enterprises need to unleash the full potential from “All” of their data assets to lead in the digital world to address these challenges. Investing in data foundation initiatives to foster a culture of making data-based decisions is inevitable. Infosys Information Grid provides the necessary framework to build an enterprise data foundation.

Infosys Information Grid – enabling data @ scale

Infosys Information Grid is a metadata driven data processing framework that abstracts underlying big data technologies and allows digitizing the data supply chain by leveraging native technology both on-premise and cloud. The platform is built on a solid data foundation management with extreme automation adoption. It is platform agnostic with an intelligent flow, all driven by metadata and decoupled design and runtime components.

Key Operating Principles:

- A simplified and intuitive user interface that takes care of the whole process, right from inception to operationalization with extreme automation to reduce the time to market.

- A capability driven component neutral and cloud native architecture with metadata driven plug and play components helps to abstract the technology challenges and accelerate implementation

A comprehensive data lake management that covers all the 9 yards of capabilities starting from ingestion, curation, harmonization, data publishing, security, multiple instantiations, data life cycle management simplifies the maintainability and increases adoption.

The framework works with prefabricated design templates that provide a huge acceleration to organizations in the entire data engineering supply chain.



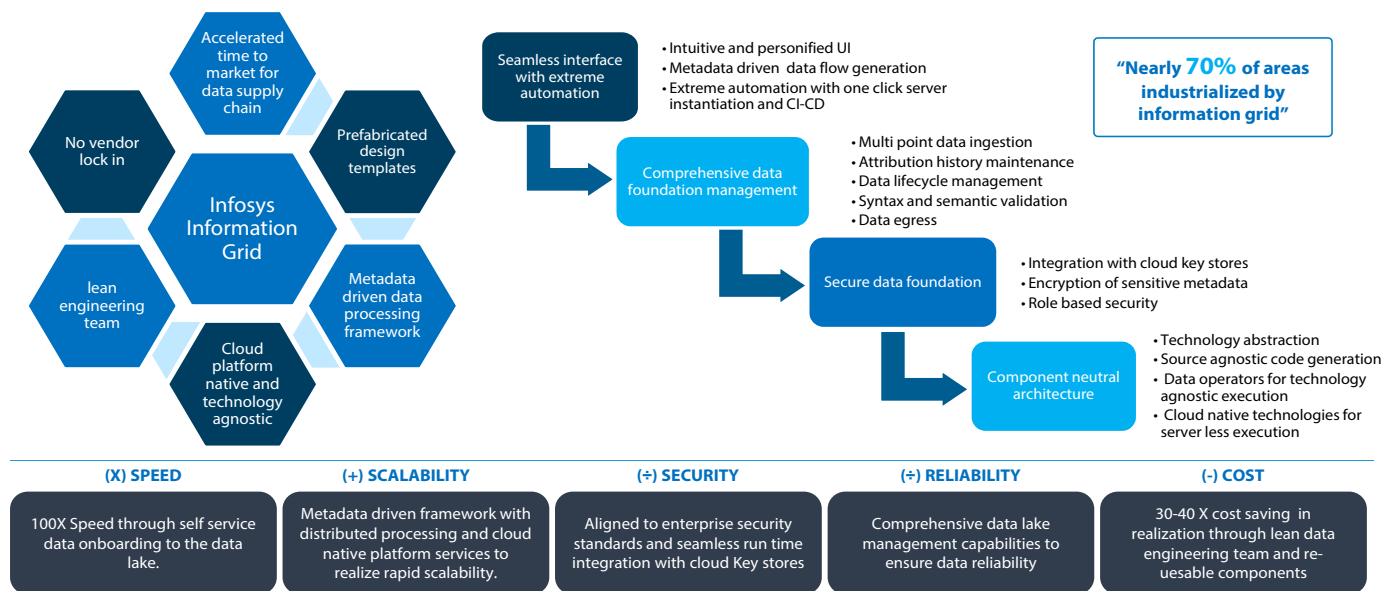


Figure 2: Value realization leveraging Infosys Information Grid

Case Study

Client Context:

One of the largest coffee retailers embarked on Cloud Big Data journey to address following challenges:

- Need to modernize the customer data analytics platform
- High cost and time to market of business experiments across stores
- Scalability and investment needed from data engineering for meet future business needs

- Estimated an implementation roadmap of 2 years to realize value

Infosys Solution:

Infosys helped in industrializing a next gen boundary-less data lake @scale powered by Information Grid Solution that enabled:

- An agile, self-service analytics solution to meet rapid prototyping and time-to-market needs to run analytics use-cases and deliver business value

- Extreme digitization of data lake foundation management resulted in 70% industrialization of data intake and engineering life cycle.
- Capability driven solution architecture that abstracted technology complexities and usage of native server less or ephemeral clusters
- Self service data management capabilities

The solution enables benefits like:

Quick set up of data foundation and improves data engineering productivity by 30-50%

1. Significantly improves development effort and ensures faster time to market:
 - By enabling capabilities such as intake, curation, harmonization, semantic validation, attribution history management, data life cycle management, data publish, security and multiple data lake instantiation

- By leveraging out of the box templates and metadata driven configuration that drives new/ change in pipeline or integration within a day or two & retrofitting historical data in few hours
2. Drives operational efficiency through a seamless workflow and intuitive user interface
 3. Reduces project risk by reducing dependency on technology experts and

allows adoption of new technologies, as needed. This is enabled by having a metadata driven component neutral architecture that encapsulates technology complexity.

4. Enhances data usage by leveraging data governance and data quality techniques embedded in the new data foundation
5. Seamlessly allows enterprises to drive standardization, best practices, re-usability and extreme automation

For more information, contact askus@infosys.com

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