BOUNDARYLESS INFORMATION PLATFORM

As aggressive digitization fuels the explosion of data, analytics-driven enterprises want to unlock value by gaining insights from big data. Gaining actionable insights allows them to stay competitive, increase operational efficiency, launch new revenue streams, and create new business models. However, generating insights requires uninterrupted information flow, which can be challenging owing to data boundaries or silos across the business landscape. In fact, almost 75 percent of effort in any data project is spent on integrating data. These silos are unable to support business goals, such as getting customer insights, improving operational efficiencies, managing risks, and complying with regulations.

Enterprises today need a boundaryless information platform to resolve their data challenges and leverage value from new market trends. Such a platform should include:

- **Pervasive self-service analytics:** To empower users with access to data and self-service technologies

- **Data governance:** To provide quality, curated, and secure data for pervasive analytics

- **Data democratization:** To give users the right tools for data-driven decision-making

- **Data science:** To give analysts the right tools and data

- **Cloud for business intelligence:** To reduce cost and integrate internal and external data
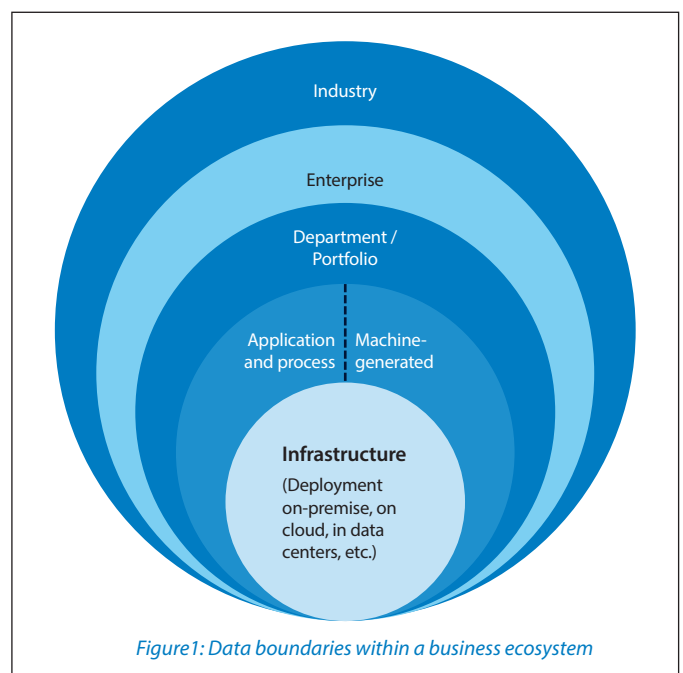

Industry

Enterprise

Department / Portfolio

Application and process   Machine-generated

Infrastructure
(Deployment on-premise, on cloud, in data centers, etc.)

Figure1: Data boundaries within a business ecosystem

Creating the Boundaryless Information Platform

Infosys leverages an approach that removes physical, process, and organizational barriers; builds the data and analytics foundation; and deploys the right structure and processes to create a boundaryless information platform. The building blocks include:

- **Data lake** to physically / virtually store raw / enriched structured and unstructured data from government agencies and industrial data from connected enterprises, such as structured master / transactional enterprise, social and public data

- **Data grid** to remove physical boundaries on cloud / premise and provide seamless and secure access to all data sets through metadata-driven physical / virtual integration services and self-service-enabled, data catalog-based data democratization service

- **Master data management** to create a business-specific data copy along with comprehensive and integrated views of key data domains such as the customer, product, supplier, and accounts

- **Real-time processing** to enable real-time and value-adding insights from streaming digital, machine-generated, and enterprise data

- **Data analytics platform and cloud** to enable new business models and leverage the right deployment models for cost efficiencies and interoperability with external data

Infosys leverages strategic services to support the platform. These services help clients:

- Define a comprehensive and business-aligned **data and analytics strategy**

- **Simplify and modernize** the current landscape for agile, faster, and accurate decision-making

- Create reference **architecture and engineering** along with purposeful and cost-effective technologies

- Ensure **data governance** for well-defined, real-time, quality, secure, and accessible data

Infosys has developed the Infosys Information Platform (IIP) as a reference implementation of the boundaryless concept along with the AiKiDo Transformation Framework, the design thinking-driven problem-solving approach, and over 80 assets to accelerate your journey towards becoming an analytics-driven organization.
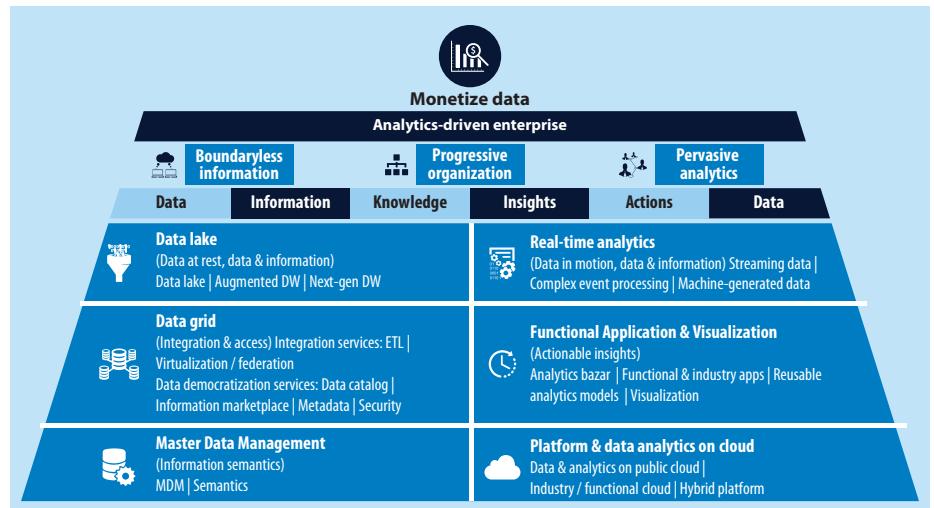

Figure2: Components of a boundaryless information platform

Success stories

20% increase in processing efficiency: A US-based healthcare major engaged Infosys to implement a B2B data exchange platform that boosted their transaction processing efficiency for customer queries by 20%.

20% higher manufacturing yield: Infosys implemented a data solution for a hi-tech application solution provider that improved production test yield by 20% and saved annual costs by US$7–15 million.

Improved brand perception by 17%: Infosys helped a global beverage leader to generate insights from semi-structured market survey data, thereby increasing the brand perception score and consumption by 17%.

30% drop in workload: Infosys helped a global energy client define and deploy data federation capabilities that reduced their workload by 30%.

For more information, contact askus@infosys.com

Infosys®
Navigate your next