

Digitized Information Management Ecosystem (DIME)

Analytics & Insights



In the age of the fourth industrial revolution, an enormous amount of data is being generated across the value chain for businesses. With technological advances, enterprises want to fully utilize the digital and machine data gathered from a wide variety of sources. However, its potential in driving business and decision making has not been fully realized. To compound the problem, increasingly stringent regulatory guidelines are pushing organizations to streamline their data management capabilities. There is a need for ways to enable organizations to gain transparency and control over their data in effective, cost-efficient and technology-agnostic ways.

Tata Consultancy Services (TCS) Digitized Information Management Ecosystem (DIME) is a solution accelerator enabling the deployment and operationalization of future-ready data management tools at the enterprise, departmental and application levels. DIME helps businesses build an all-encompassing view of their data assets, drive increased adoption of their data estate and accelerate the return on investment of data interventions. It simplifies digitization of data management practices, allowing global enterprises to democratize and monetize data and derive deep actionable insights, transforming them into Business 4.0™-ready organizations.

Overview

Companies today are looking to harness their data assets to create more business value. That requires superior data management. However, manual and IT-dependent solutions are not able to cope with the dynamic and heterogeneous nature of data accumulated by enterprises. Organizations are struggling to enhance visibility into business processes, improve the reliability of data, and exercise better control over data assets to ensure the success of analytics programs. There is a lack of standardization and centralization of data management practices, which can be extremely counterproductive in scenarios where the IT landscape consists of an amalgamation of legacy, relational, big data, on-premise and on-cloud platforms. Add to that the pressure to remain competitive and customer-centric in an experience economy, and comply with strict regulatory mandates, while ensuring watertight data governance.

TCS DIME provides a proven framework for operationalizing data management across an enterprise in a comprehensive way. The solution includes a future-ready data model for building an enterprise-grade information management repository. It has a robust engine to drive various functions such as data controls execution, data health scoring, and a rich library of metrics and analytic templates. TCS DIME helps build a 360-degree view of an organization's critical business elements.

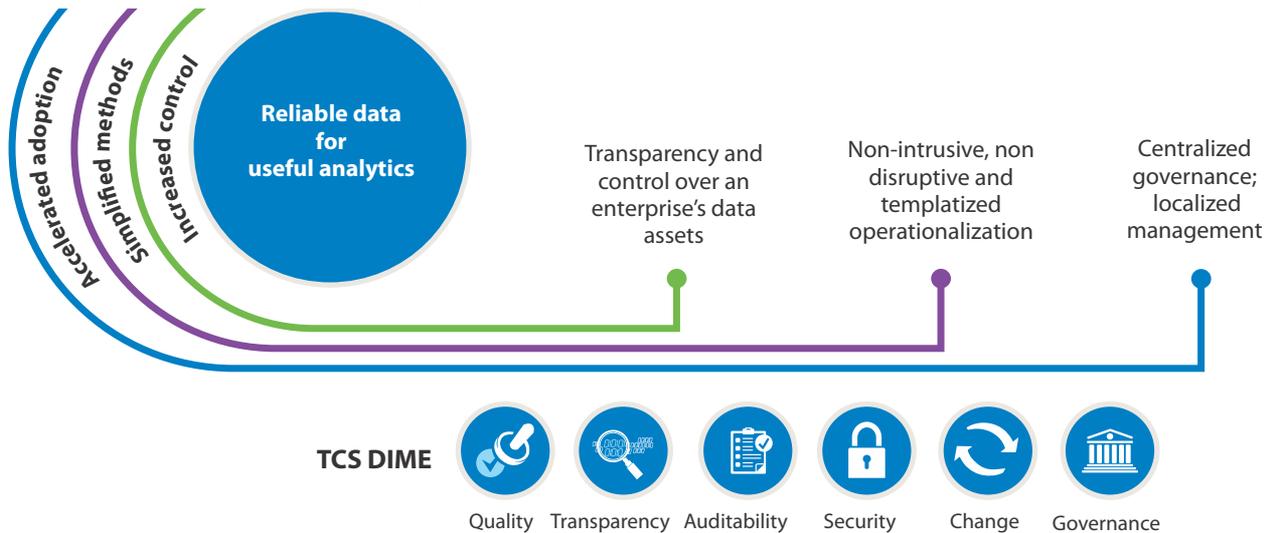
DIME's modules cover the whole data management spectrum (see Figure 1). They help weave people, processes and technology into a smooth fabric of capabilities. Moreover, DIME allows Chief Data Officers to manage transition better as organizations modernize their data and analytics estates.

Our Solution

The technology-agnostic solution accelerator has the following salient features:

- **End-to-end information management** Covers all aspects of information management, including data governance, data quality management and metadata management. Its centralized integrated data model enables a comprehensive view of various enterprise data elements
- **Data quality and governance** Provides a data quality index that can be superimposed with business metadata to derive a business impact index. It boosts the effectiveness of governance operations by delivering insights into how a data steward or domain owner is performing
- **Implementation-ready components** Comes with implementation-ready software components, including UI wireframes, data model, analytical layer, and services components such as registration, priming, execution, measurement and reporting. The solution accelerator is also equipped with out-of-the-box rich dashboards and visualizations, and comprises a flexible, data-driven execution and orchestration engine

Figure 1: An overview of TCS Digitized Information Management Ecosystem (DIME)



- Enhance data gravity
- Drive adoption of data and returns on investment
- Benchmark, measure and manage data maturity

Benefits

With TCS DIME, you benefit by:



Accelerating time-to-value: Leverage pre-defined solution templates to jumpstart your information management efforts. Benefit from enterprise data transparency and better data quality to drive significant business results



Enhancing data gravity: Empower the business community through digitization of various data management functions



Driving simplification: Simplify a complex analytics landscape through a comprehensive, low-risk and non-intrusive approach to data management. Enable next-generation platform and program management capabilities



Managing data as an organizational asset: Democratize data assets across the organization and monetize them through greater visibility and control



Enabling superior compliance: Enable centralized data governance with localized data management to achieve effective regulatory compliance with minimum overheads and ensure smooth audits year after year



Reducing overall TCO: Avoid vendor lock-in by adopting a technology- and project-agnostic enterprise data management (EDM) strategy, eliminate recurring capital expenditure and reduce overall operating expenditure

The TCS Advantage

By partnering with TCS, you can leverage:

- **Proven experience:** DIME has been developed by leveraging our experience over hundreds of data management engagements with clients across the globe. The solution accelerator has been built to deliver exceptional business outcomes
- **Agile solution:** TCS has built the solution accelerator keeping in mind the agility needs of digital enterprises, allowing them to quickly adapt to the changing technological landscape. DIME combines TCS' organization-specific contextual knowledge with the latest technological improvements to help enterprises achieve a sustainable competitive advantage
- **Open architecture:** The solution accelerator is a low-risk investment due to its open architecture, robust capabilities and fitment to industry needs

Awards & Recognition



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