

Data Governance Practice

Defining, Realizing, and Driving a Corporate Data Strategy

CIMdata’s Data Governance Practice supports an organization’s need to create an information framework for an enterprise-spanning communication tool that enforces rules of engagement, decision rights, and accountabilities for departmental and business unit solutions that are part of an enterprise’s data and process management foundation.

As digital transformation spreads throughout business, the need for effective Data Governance is gaining in importance, benefiting every task and process where trustworthy data is indispensable. Digital transformation is only one of the drivers of the need for data governance. Others include fundamental changes in the ways products are planned, developed, marketed, and serviced.

Data governance is a discipline that ensures that an organization’s data can be trusted and that problems associated with it will be uncovered before an analysis or decision is made based on bad data.

Why Data Governance?

Data has always been and always will be a driving force for organizations. Organizations implement data governance processes and organizational structures to reduce the risks associated with making decisions based on “bad” or missing data. Data governance is also critical during data cleansing and migration efforts.

Organizations and their suppliers need data to reflect reality and to be trustworthy throughout their extended enterprise. Data governance must also be embedded across product processes—in software development, in the use of data for analytics, in

keeping track of master data (lists, repositories, files detailing business basics), metadata, and supporting “smart” connectivity that is increasingly demanded by business.

Data governance oversight must cover many different forms of data, both structured and unstructured. Under a well-formed data governance strategy, data-related business rules move from being inconsistent, scattered, and hidden throughout the organization, to managed and organized. A well-formed data governance strategy allows business rules to dependably create and consume correct and consistent data from a logical enterprise repository.

A well-implemented data governance strategy safeguards the value of the enterprise’s data despite continuous use and evolution, constant change, rapid accumulation, fragmentation, and conflicting claims of ownership. Data governance is also a protection against corruption that can occur when data is incorporated from outdated and unconnected tools.

Data Governance Framework & Components

Organizations need to choose a Data Governance framework to ensure that data can be measurable, timely, compliant, and reusable. There is a wide variety of frameworks to select from, such as Mike2.0 Framework, the Data Governance Institute Framework, the IBM Data Governance Council Framework and Maturity Model, Quality Function Deployment, the Zachman Framework, Modified

Zachman, and many others developed for specific industries. One size does not fit all. So, selecting and following the correct framework is critical.

The framework is used to make complex data structures and procedures easier to understand, maintain, and communicate where components and metadata can be listed as a hierarchy—Detailed, Physical, Logical, Conceptual, and Contextual. The ways data are to be implemented and managed can be identified by the Why, How, What, Who, Where, and When. No two implementations and enterprises have the same data governance needs. As a result, CIMdata tailors its services to the specific business and operational needs of its clients.

CIMdata's Approach

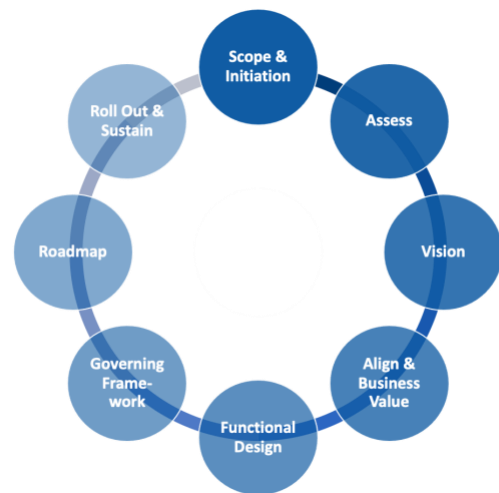
CIMdata's data governance methodology recognizes that successful planning, selection, and implementation of new business strategies and enabling solutions involves an ongoing, and cyclical process that is comprised of eight phases that successfully define and implement a data governance strategy and supporting structures. This applies to every organization—whatever the industry, whatever the particular requirements or applications, and whatever the desired end result. Each of the eight phases (as illustrated below) is separate and unique. Each is equally important, and for the outcome to be successful, each requires a set of targeted activities and deliverables. CIMdata is ready to provide support during each phase.

CIMdata's Data Governance Consulting Practice provides end-to-end data governance guidance and strategic support in the following areas:

- Vision, strategy, and goals definition
- Requirements definition
- Framework definition
- Implementation roadmaps

- ROI and metrics models
- Evaluation and selection of data governance supporting solutions
- Education of staff
- Organizational change management

To learn more about CIMdata Data Governance consulting services, please contact CIMdata at +1.734.668.9922.



Phases of Data Governance Strategy Fulfillment¹

About CIMdata

CIMdata, an independent worldwide firm, provides strategic management consulting to maximize an enterprise's ability to design, deliver, and support innovative products and services by identifying and implementing appropriate digital initiatives. For forty years, CIMdata has provided industrial organizations and providers of technologies and services with world-class knowledge, expertise, and best-practice methods on a broad set of product lifecycle management (PLM) solutions and the digital transformation they enable. CIMdata also offers research, subscription services, publications, and education through certificate programs and international conferences. To learn more, visit www.CIMdata.com or email info@CIMdata.com.

¹ Adapted from: Ladley, John. Data Governance: How to Design, Deploy and Sustain an Effective Data Governance Program. Morgan Kaufmann. 1st Edition. July 2012.