DATA MANAGEMENT

How we contribute

- Provide critical experts from a single source, such as business analysts, enterprise architects and data engineers in your organization.
- Analysis and assessment of your organization’s current data management structure and governance.
- Requirement engineering by conducting interviews and workshops with relevant stakeholders to identify strengths and gaps in your data management structure.
- Evaluate existing data, develop architecture specifications and develop a roadmap for implementation.
- Involvement of technical experts to advise on matching data strategies with fitting technical solutions.
- Technical implementation of the plan involving development and quality control.
- Post-production maintenance, and adaptation to new developments and trends.

Why Data Management?

A stable data foundation and infrastructure is important to implement sound business processes and successful operations in a functional work environment.

Organizing and combining the several dimensions of data management ensure the optimization of interdependencies between applications and different business units.

Approach

1. Strategy

- **Data Architecture**
  - In-depth analysis to identify the needs of the organization and a blueprint that fits the needs and objectives.
  - Facilitating business decisions on investments and aligning the technology to the data strategy.

- **Data Modelling & Design**
  - The process of discovering, analyzing, and scope data requirements.
  - Representing and communicating requirements in a precise form called the data model.

2. Operations

- **Data Storage & Operations**
  - The design, implementation, and support of stored data to maximize its value and availability.
  - Improving the integrity and performance of data transactions.

- **Data Interoperability (Applications)**
  - Managing the movement and consolidation of data between applications and business units.
  - Reference & Master Data
  - Managing shared data to meet organizational goals, reduce risks, redundancy, ensure higher quality, reduce costs.

3. Organisation

- **Document & Content Management**
  - Lifecycle management organizes data from its initial creation to the archiving period up until its deletion date.
  - The documentation, storage, and legal requirements form the basis of document & content management.

- **Metadata & Data Quality**
  - The planning and implementation to enable high-quality integrated metadata, i.e., defining a standard of business terms.
  - The control of activities that apply quality management to assure it is fit for consumption.

4. Analytics

- **Data Warehousing & Business Intelligence**
  - The collection, structuring, and presentation of decision-making data.
  - Data warehousing technology (ETL), it allows data scientists to engage in the query, analysis, and reporting of business intelligence.
  - Building and maintaining of the technical environment and business processes needed to deliver structured data in support of operational functions and compliance requirements.

Main Challenges

- **Strategic**
  - Finding a data management strategy that fits your needs and objectives.
  - Choosing the right model to match your business goals.

- **Commercial & Legal**
  - Adherence to laws and regulations.
  - Compliance with company policies.
  - GDPR compliance with sensitive customer data.

- **Operational**
  - Inefficiencies caused by inconsistent data and difficulties accessing critical data.
  - Insufficient or non-existent flow of data between applications and business units.

Deliverables

- A detailed documented assessment of all the managed data and its governance currently in place in the organization.
- A documented strategy for the transformation of the organization’s data management in the areas in need of improvement.
- An implementation roadmap including the matching technologies and qualified experts to implement the data management strategy.
- Quality assurance through testing and seamless migration of the new data management system.

By making data management a priority in your organization, you are ensuring that your data is in a **secure place** and available when your business users need it. This **benefits your daily operations** by enabling the following:

- Better visibility & accessibility of data through documentation & content management.
- Improved Quality of data to increase overall efficiency and communications.
- Enhanced Security of data to minimize external threats.
- Higher efficiency through Interoperability of data flow between applications and departments.
- Smarter decision making by utilizing advanced analytics to measure present and future scenarios.

**Benefits**

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