Migrate, govern, and manage your data

**Intelligent Data Management from KPMG, Informatica and Microsoft**

Data has the power to create great value by driving better decisions. Yet, the quality and the speed at which key decisions can be derived depends on your ability to:

Leverage automation and cloud-based architectures to maintain agility and flexibility.

Govern according to new regulations and evolving technologies.
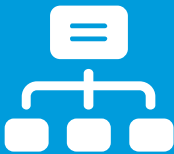
Manage and maintain trusted data throughout the organization.

More and more federal government agencies store data in legacy, on-premises warehouses or platforms and are considering a move to the cloud. Information technology leaders must identify what assets to migrate and then efficiently onboard the data, files, and databases to cloud-based platforms.

To reduce errors and streamline business processes, enterprises seek to create a single, master source for all critical business data. Master data management (MDM) helps to ensure policies are maintained and adhered to, builds confidence in data quality, and provides access to trusted data required for analysis.

Whether your needs to modernize a legacy data warehouse, stand up a governance office, or improve overall quality of data, KPMG, Informatica, and Microsoft

have the knowledge and technology to address a broad range of data challenges. Regardless of your size, the joint Intelligent Data Management offering can help to meet your needs across the data supply chain.

KPMG: Build confidence in your data

A leader in data and analytics (D&A) services, KPMG provides the understanding of data, processes, and technology to help companies unlock actionable insights and make transformative business decisions. With deep industry and functional knowledge, KPMG professionals can help you:

— Develop a strategy and target operating model for D&A supported by Informatica's and Microsoft's tools

— Define a cloud-based solution architecture for integrating data tools into your technology stack

— Design and execute MDM, data quality, and validation rules as part of a data program

— Implement and configure Informatica technologies across cloud, data governance, and MDM.

The KPMG Federal advisory practice delivers design, delivery, and implementation services based on people, tools, and processes. Our consulting experience in areas such as data management and strategy, data quality, data governance, cloud data migration, and data privacy specifically complement Informatica products. KPMG professionals access training, sandbox environments, and product experts, resulting in offerings that quickly deliver measurable value to clients. With KPMG, you can leverage data to better address unique business challenges.

Forrester named KPMG a D&A services leader in *The Forrester Wave: Enterprise Insight Service Providers, Q3 2020.*

Informatica: An intelligent data platform

For more than 25 years, Informatica has been helping federal government agencies and companies unleash the power of their data. A leader in enterprise data management, Informatica supports more than 9,500 customers in 83 countries and has a presence at 85 percent of the Fortune 100 companies.

The company's intelligent data platform is hybrid, modular, and built on a microservice-based, application program interface-driven, and artificial intelligence (AI)-powered architecture. This platform supports a broad range of data management activities across three major areas:

— **Cloud Data Warehouse:** Cloud-based solutions such as data warehouses and lakes, iPaaS, and data integration.

— **Data Governance/Privacy:** MDM and business analytics for customers, suppliers, products, and finance.

— **Business 360:** MDM and business analytics for customers, suppliers, products, and finance.

Informatica's products support data integration, transformation, data quality, data governance, and management of data on various cloud and big data platforms. These products are unified on an integrated data platform, so you can power your business with intelligent data.

Gartner has named Informatics a leader in five Magic Quadrant Reports: *Magic Quadrant for Enterprise Integration Platform as a Service, September 21, 2020; Magic Quadrant for Data Integration Tools, August 18, 2020; Magic Quadrant for Data Quality Solutions, July 27 2020; Magic Quadrant for Master Data Management Solutions, January 13, 2020;* and *Magic Quadrant for Metadata Management Solutions, October 16, 2020*.

Informatica has been named a leader in two Forrester Wave reports: *Master Data Management Q1 2019 and Enterprise Data Fabric, Q2 2020*.

Microsoft: Commitment to data privacy

KPMG and **Informatica**, in Enterprise Cloud Data Management, help you to modernize your data architecture with intelligent data management, purpose-built for **Microsoft Azure**, that easily adapts and scales as your data types, volume, applications, and architecture change. Informatica's AI-driven Intelligent Data Platform has a modular microservices architecture that accelerates your Azure Synapse project deployment by automating your data integration development lifecycle, including connectivity, development, deployment, and management.

To fully seize the benefits of an **Azure** data architecture, you need the backing of an established data management and integration solution across structured and unstructured data offerings. These data offerings can use both Linux and/or Windows, and even reside in containers. The data solutions can be Oracle, SQL, Postgres, MySQL, NoSQL, MongoDB, etc. You'll require a high-performance, scalable data integration and management solution that provides native automated connectivity to key Azure data services such as Azure Synapse, Azure Blob Storage, Azure HDInsight, Azure Data Lake Store, Azure SQL Database, and Azure Cosmos DB, to accelerate your analytics and other data-intensive initiatives. These solutions simplify access to the many data sources accessible via Azure and on-premises data centers, and then automate their access.

The datasets are owned and controlled by the customer. There is data profiling meaning that the datasets are not shared for commercial purposes. There is strong legal protection as well as extending General Data Protection Regulation data protection rights worldwide. **Azure** implements safeguards for NIST SP 800-53 R5 control IR-9, *Information Spillage Response*; however, customers are responsible for data spillage incidents within their subscription and should refer to their internal incident response processes. **Microsoft Azure Security Response in the Cloud** outlines Microsoft and customer roles when responding to security incidents within **Azure**.

No matter what your service level objectives are, **Azure** empowers you to achieve your organization's reliability goals. Take advantage of built-in features that help you design and operate mission-critical systems with confidence—across high-availability, disaster recovery, and backup scenarios.

Intelligent data management: KPMG, Informatica and Microsoft

The Intelligent Data Management offering combines KPMG Federal Advisory services with Informatica's enterprise data management products for Microsoft Azure. It supports cloud migration, data governance, and MDM across various data platforms. By emphasizing data-driven, rapid decision-making, the offering changes the way organizations interact with data.

KPMG, Informatica, and Microsoft also help clients manage their in-cloud and on-premises data needs across cataloging, lineage, usage, transformation, storage, and privacy. By leveraging advanced technologies such as AI and machine learning, KPMG, Informatica, and Microsoft can bring additional value through searchable catalogs, data marketplaces, and predictive data quality.
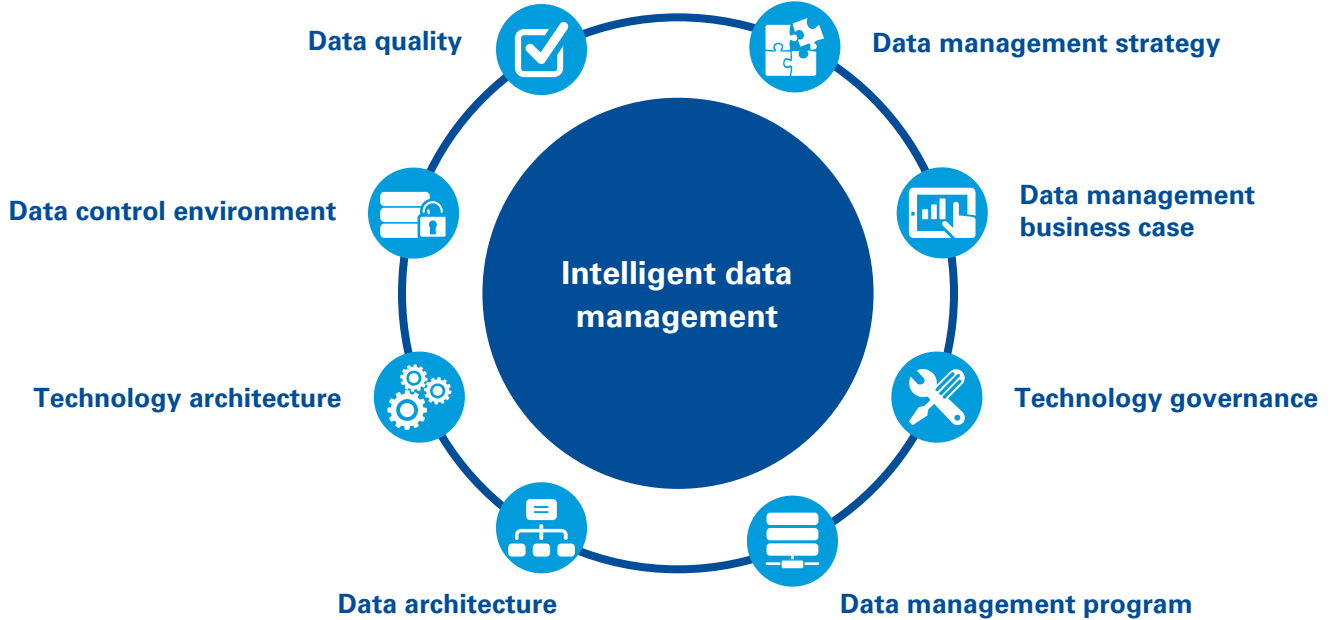
Intelligent data management can deliver benefits that include:

— Increased revenue by driving better outcomes and monetizing data

— Reduced costs through effective use of resources and efficient service delivery

— Improved decision-making by transforming data into trusted insights

— Reduced risk by decreasing waste and fraud

— Greater compliance with privacy regulations

Conclusion

As federal government agencies build data-driven cultures and extend data literacy, they face challenges in migrating data to the cloud, governing data for compliance, and instituting MDM. The Intelligent Data Management offering from KPMG, Informatica, and Microsoft provides the strategy, framework, and technology to help your company address these challenges. Contact us to learn how Intelligent Data Management can impact your business.

Data quality

Data control environment

Technology architecture

Data architecture

Intelligent data management

Data management strategy

Data management business case

Technology governance

Data management program

Engage with KPMG, Informatica, and Microsoft

Engagements provided by KPMG, Informatica, and Microsoft via Intelligent Data Management offering include:

— Cloud data migration readiness assessment

— Migration to a cloud data warehouse or data lake on Azure or other data platform

— Action plan for complying with data privacy and regulations

— Execution of data quality profiling and providing cleaning roadmaps and developing analytic tools to track data quality improvement

— Development of master data and reference data solutions

— Development of a repository for real-time and streaming analytics.

Contact us

Ginger Bonin
Managing Director
703-628-6804
gbonin@kpmg.com

Nirali Chawla
Managing Director
443-691-8544
niralichawla@kpmg.com

Nathan Pieper
Navy Account Lead
832-622-8630
npieper@informatica.com

Monica DeZulueta
Microsoft Technical Strategist
786-797-7900
monicad@microsoft.com

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