

IBM Consulting



G-Cloud 15 IBM – Data Management and Quality Enrichment Services Service Definition Document

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Data Management and Quality Enrichment Services

Key features of this service

- Comprehensive Data Management Strategy
- Data Governance Framework Implementation
- Data Quality Assurance
- Data Quality Enrichment
- AI-Enhanced Data Management
- Metadata Enrichment
- Data Lineage Mapping
- Self-Service Data Access and Data Marketplace
- Regulatory Compliance Automation
- Data Management solution design
- Data Management tooling selection.

Data Management and Quality Enrichment Services

Why this service is needed

In today's AI-driven world, effective data management and quality is critical for organisations to harness the full potential of their data. Many organisations struggle with data reliability, accessibility, and compliance, which hampers their AI and analytics initiatives. IBM Consulting addresses these challenges by offering comprehensive Data Management and Quality Enrichment Services that include data governance, cataloguing, quality assurance, lineage mapping, and access controls. Our expertise in navigating the complex tooling landscape ensures that organisations can implement robust data solutions that drive business value and innovation.

Data management is essential for ensuring that data is reliable, accessible, and compliant with regulatory standards. Data governance frameworks help organisations establish clear policies and procedures for managing data, while data cataloguing enables easy discovery and access to data assets. Data quality assurance ensures that data is accurate and fit for use, and data lineage mapping provides visibility into data flows and provenance. These capabilities are crucial for supporting AI and analytics initiatives, as they ensure that data is trustworthy and can be used to generate valuable insights.

Many organisations struggle to implement effective data management practices due to the complexity of the tooling landscape. There are numerous solutions available for data governance, quality, cataloguing, and lineage, each with its own strengths and weaknesses. IBM Consulting helps organisations navigate this landscape by providing expert guidance on selecting and implementing the right solutions for their needs. Our comprehensive approach ensures that organisations can build robust data management solutions that support their business objectives and regulatory requirements.

Data Management and Quality Enrichment Services

Key benefits of this service

- Improved Data Reliability
- Enhanced Data Accessibility
- Streamlined Data Compliance
- Accelerated AI Deployment
- Reduced Data Management Costs
- Increased Data Usability
- Scalable Data Solutions
- Enhanced Decision-Making
- Accelerated Data Product delivery
- Optimised Data Operations
- Compliance
- Data of sufficient quality for use in analytics and AI

Data Management and Quality Enrichment Services

Why IBM?

Experience and scale

With over 100 UK practitioners skilled in data management, data quality, data governance, data architecture, data modeling, data engineering, data integration, and data cataloguing, IBM Consulting has the experience and scale to deliver comprehensive data management solutions. Our global presence allows us to provide cost-efficient services through blended teams of onshore and offshore resources, ensuring high-quality services at competitive prices.

Expertise

Our team includes experts in data governance, data quality, and metadata management, ensuring that we can address the full spectrum of data management needs. We leverage our deep industry knowledge and technical expertise to provide tailored solutions that meet the unique requirements of each client. Our practitioners are certified in industry-leading solutions and frameworks, enabling us to deliver high-quality implementations and support.

Watsonx.Data Intelligence

IBM Consulting is uniquely positioned to deliver IBM Technology's Data Management suite, including the cutting-edge WatsonX.Data Intelligence suite. Leveraging our deep expertise and extensive experience in data management, we seamlessly integrate IBM's advanced technologies into our clients' ecosystems. The WatsonX.Data Intelligence suite, recognised by industry analysts for its innovative capabilities, offers state-of-the-art solutions for data governance, quality, and analytics. Our strong partnership with IBM Technology enables us to help organisations unlock the full potential of their data, driving business value and innovation.

Partner Ecosystem

We also have strong partnerships with leading data management vendors, such as Collibra and Informatica. These partnerships enable us to take a technology agnostic approach and deliver solutions that meet diverse client needs. Our certified practitioners are skilled in using these solutions, ensuring that we can provide high-quality implementations and support. Our partnerships allow us to stay at the forefront of industry trends and leverage the latest technologies in our solutions.

Comprehensive Frameworks and Accelerators

IBM Consulting utilises comprehensive frameworks and accelerators to ensure that we deliver high-quality, scalable data solutions. Our frameworks cover core components of data projects, including data strategy, delivery, and maintenance. These accelerators help streamline processes, reduce implementation time, and ensure consistent delivery of high-quality solutions.

Modern Data Accelerator Assets

Our Modern Data Accelerator assets streamline our delivery, reducing implementation costs by up to 40%. These assets include the Data Product Console, Data Platform Genius, Master Data Management Engine and more. By leveraging these assets, we can deliver rapid results and reduce the time-to-value for our clients.

Cost Efficiency

Our blended teams of onshore and offshore resources enable us to provide cost-efficient services without compromising on quality. We leverage our global delivery model to optimise resource allocation and reduce costs for our clients. Our approach ensures that clients receive high-quality services at competitive prices, making data management initiatives more affordable and accessible.

AI-enhanced Data Management and Quality

IBM leverages AI-enhanced data management and quality capabilities to significantly improve the efficiency and effectiveness of our delivery. For example, AI can automate data quality checks, generating rules and identifying errors in real-time, to ensure that data remains accurate and reliable. AI-driven metadata enrichment can automatically generate business-friendly metadata, such as tags and descriptions, making data more discoverable and easier to use. Additionally, AI can optimise data cataloguing processes by automatically classifying and indexing data, which enhances data discoverability and accessibility. By integrating AI into data management solutions, IBM enables organisations to streamline their data processes, reduce manual effort, and enhance overall data governance.

Data Management and Quality Enrichment Services

Service Description

50-word summary:

IBM Consulting's Data Management and Quality Enrichment Services leverage AI, advanced analytics, and robust data governance frameworks to enhance data reliability, accessibility, and compliance. Our comprehensive approach ensures scalable, future-proof data solutions, optimising data operations and accelerating AI deployment for impactful business outcomes.

IBM Consulting offers a comprehensive suite of services designed to address the full spectrum of data management and quality needs, ensuring that organisations can effectively leverage their data assets to drive business value and innovation. Our approach is structured around several key service offerings, tailored to meet client needs.

Maturity Assessments:

We typically begin engagements by conducting thorough maturity assessments to evaluate the current state of an organisation's data management capabilities. This involves a detailed analysis of existing data governance frameworks, data quality processes, and Data Management Solutions. Our assessments identify gaps and areas for improvement, providing a clear roadmap for enhancing data management practices. We utilise industry-leading benchmarking frameworks, such as the Enterprise Data Management Council's Data Management Capability Assessment Model (EDMC-DCAM), to ensure a comprehensive evaluation.

Strategy Development:

Based on the findings from our maturity assessments, we work closely with clients to develop a comprehensive data management strategy. This strategy aligns with the organisation's business objectives and regulatory requirements, ensuring that data management initiatives support overall business goals. Our strategy development process includes defining data governance policies, establishing data quality standards, and outlining data management processes. We also consider the organisation's technology landscape, recommending solutions and platforms that best meet their needs.

Advisory Services:

Our advisory services provide clients with expert guidance on best practices for data governance, quality, and management. We help organisations implement effective data solutions by offering insights into industry trends, regulatory changes, and emerging technologies. Our advisory services cover a wide range of topics, including data governance frameworks, data quality management, metadata management, and data lineage mapping. We also assist clients in developing data stewardship programs and establishing data governance councils.

Policy Writing:

We assist organisations in drafting data policies that ensure compliance with regulatory standards and support data governance initiatives. Our policy writing services include developing data governance policies, data quality policies, and data privacy policies. We work with clients to ensure that these policies are aligned with their business objectives and regulatory requirements. Our policies provide clear guidelines for data management practices, helping organisations maintain data integrity and security.

Data Management Solution Requirements Gathering:

We work with stakeholders to gather and prioritise requirements for Data Management Solutions. This involves conducting workshops and interviews with key stakeholders to understand their data management needs and challenges. We document these requirements in a comprehensive System Requirements Document (SRD), ensuring that the selected solutions meet the organisation's needs. Our requirements gathering process also includes evaluating existing solutions and recommending new solutions that integrate seamlessly with the organisation's technology landscape.

Data Management Solution Design:

Our team designs Data Management Solutions that integrate seamlessly with existing systems and support the organisation's data strategy. We leverage our expertise in data architecture, data modeling, and data management to design solutions that meet the organisation's requirements. Our solution design process includes creating detailed design documents, scoring solutions based on their requirements coverage and defining the target architecture. We also ensure that the designed solutions support data governance and quality initiatives.

Data Management Solution Build and Adoption:

We build and implement Data Management Solutions, providing training and support to ensure successful adoption and ongoing use. Our implementation process includes configuring the solutions, developing custom integrations, and migrating data from existing systems. We also provide training sessions and user guides to help users understand and utilise the solutions effectively. Our support services include ongoing maintenance and updates, ensuring that the solutions continue to meet the organisation's needs.

IBM advocates starting small with Data Management Solutions to prove the value on a simple use case before scaling. This approach allows organisations to demonstrate quick wins and build confidence in the data management solutions. By starting with a pilot project, organisations can refine their processes and solutions, ensuring that they are well-prepared for larger-scale implementations. This iterative approach helps mitigate risks and ensures that the data management solutions are scalable and sustainable.

AI-Enhanced Data Management

IBM leverages AI-enhanced data management to significantly improve the efficiency and effectiveness of data operations. For example, AI can automate data quality checks, generating rules and identifying errors automatically, to ensure that data remains accurate and reliable. AI-driven metadata enrichment can automatically generate business-friendly metadata, such as tags and descriptions, making data more discoverable and easier to use. Additionally, AI can be used to map data lineage, providing detailed insights into data flows and transformations across systems, which is crucial for regulatory compliance and impact analysis. By integrating AI into data management solutions, IBM enables organisations to streamline their data processes, reduce manual effort, and enhance overall data governance.

