



IBM Consulting

G-Cloud 15 IBM - ERP Data Transformation

Service Definition Document

Email: ukcat@uk.ibm.com

Contact: Anne-Marie Wheeler



Contents

1. Introduction
2. Enterprise Data Design
3. Services and Solutions
4. Benefits of IBM's approach
5. Key IBM Enabler: IBM GenAI Data Accelerators
6. Key IBM Enabler: Enterprise Data Design Methodology

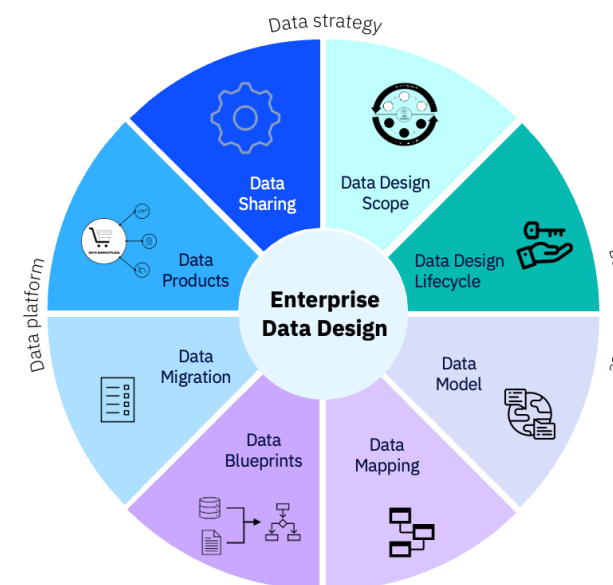


Introduction

- Organisations are accelerating **ERP transformations** driven by application standardisation, business process modernisation, and growing demands from AI. The success of these initiatives depends on **trusted, harmonised, and fit-for-purpose data** across operational and analytical plane.
- Many enterprises face **fragmented Data landscapes**, low trust in data, limited business engagement, increasing volumes of (unstructured) data, and rising regulatory and compliance requirements.
- A growing trend is the adoption of a **Data Product-oriented approach**, enabling composable architectures, and scalable data sharing through operational and analytical data products.
- IBM's **ERP Data Transformation** approach provides a **pragmatic path** to modernise ERP data foundations, reduce complexity, and enable AI-ready data at scale.

Enterprise Data Design

The **Enterprise Data Design** tackles the key data design areas that commonly become blockers in large ERP transformations, while enabling organisations to become truly data-driven and ready for AI and automation use cases.



Why Enterprise Data Design

Enterprise Data Design provides the missing link between ERP modernisation and business value.

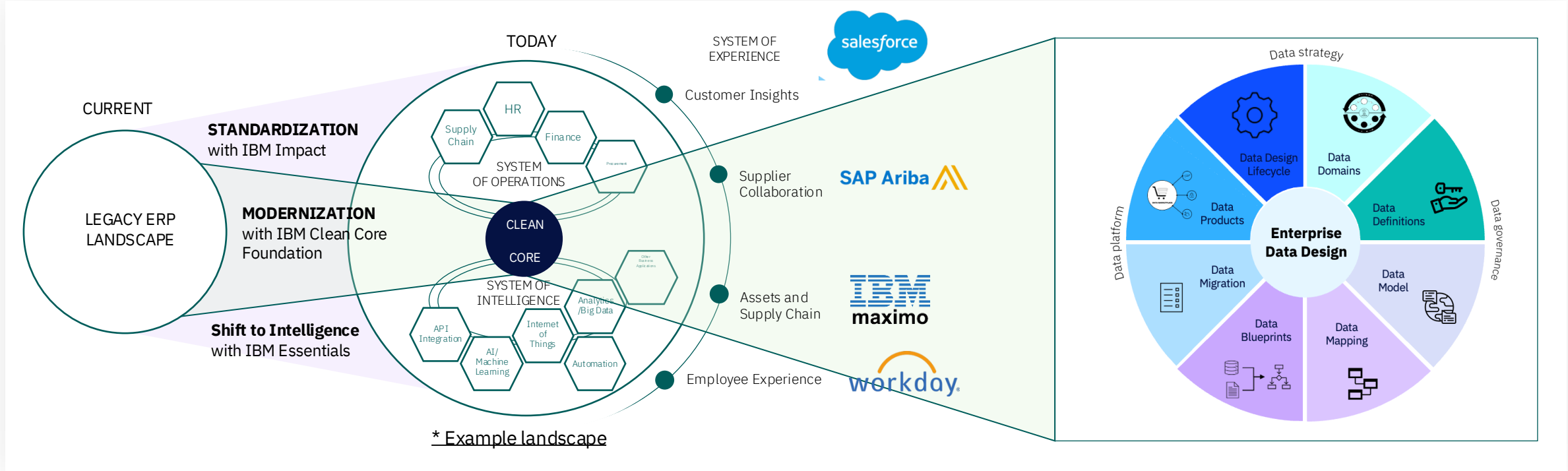
While modern ERP architectures standardise and stabilise the ERP landscape, Enterprise Data Design ensures data is harmonised, governed, and fit for purpose and enabling analytics, AI, and automation to transform the ERP from a system of record into a system of intelligence.

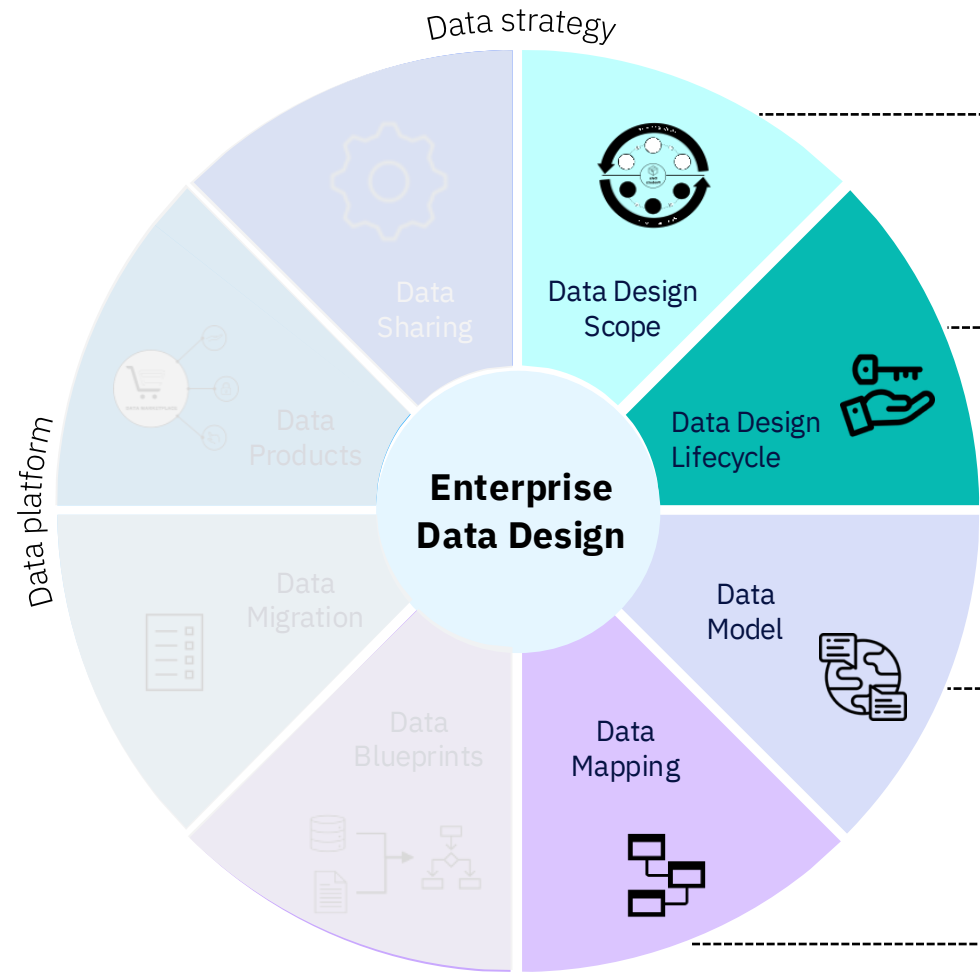
Enterprise Resource Planning (ERP) Modernisation*

A **loosely coupled architecture** that preserves a standardised Clean ERP while enabling continuous innovation and business differentiation through modular extensions and integrations...

Enterprise Data Design

... powered by harmonised data, establishing a **system of intelligence** that enables the ERP into transform in an intelligent enterprise





Data Direction - Purpose, scope and accountability

ENTERPRISE DATA READINESS ASSESSMENT (2-3 weeks)

- A rapid, structured assessment of the organisation's data readiness for transformation across 4 key pillars: Governance, Quality, Integration and Migration. Produces a heatmap of risk areas and actions for quick wins.

ERP DATA STRATEGY (3-4 weeks)

- A structured engagement to define the organisation's ERP data strategy in support of ERP transformation. Produces a clear target state, guiding principles, and an actionable Data Transformation roadmap to support scalable ERP Transformation.

Data Structures - Consistency, integrity and alignment of Data

FOUNDATIONAL ENTERPRISE DATA MODEL (6-8 Weeks)

- A structured engagement to design a foundational enterprise data model aligned to ERP and business domains. Establishes common definitions, relationships, and standards to enable data harmonisation, system interoperability, and scalable AI and analytics.

AI-POWERED DATA MAPPING (2-4 Weeks)

- Use IBM's accelerators and LLM-powered tools to automate source-to-target mapping, improve consistency, reduce manual efforts and increase traceability.

Services & Solutions 2/2

Data Transition - Control, integrity and continuity

AI-POWERED DATA BLUEPRINT GENERATION (6-10 weeks)

Leverage IBM AI accelerators to generate target-state ERP data blueprints. Translates data models and mappings into physical designs, accelerating implementation while ensuring consistency and scalability.

ERP MIGRATION READINESS (8-10 weeks)

A structured engagement to assess readiness for ERP data migration. Validates data quality, mappings, volumes, and migration approaches, identifies risks and dependencies, and produces an actionable remediation and migration plan

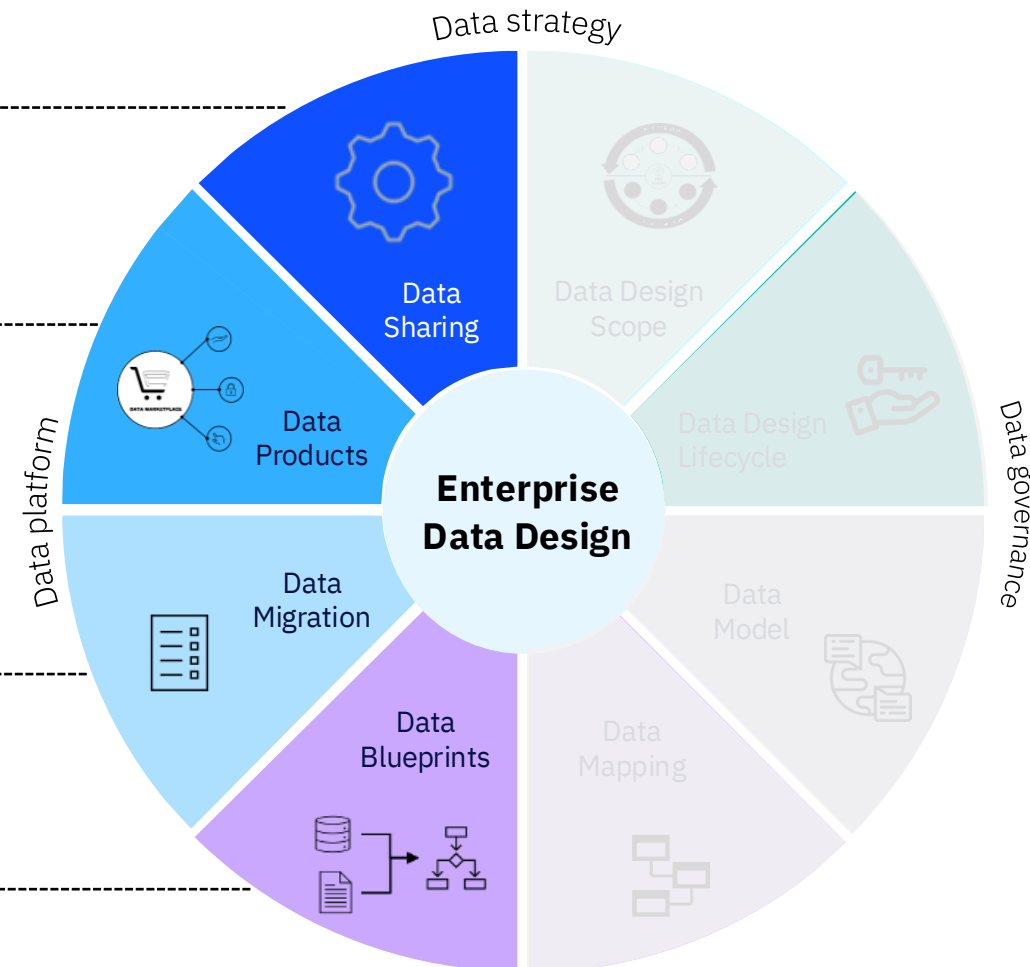
Data Enablement - Access, re-useability and value creation

DATA PRODUCT DESIGN (2-4 Weeks)

A structured engagement to design fit-for-purpose data products for operational, analytical, and AI use cases. Defines data product canvas, solution design, data model, data contract, required for development and adoption.

DATA MARKETPLACE DISCOVERY (3-4 Weeks)

A structured engagement to define the internal data marketplace vision and scope. Identifies key persona's, metadata, and access patterns, and produces a solution design document and roadmap



Benefits

Capability	Feature	Benefits
Enterprise Data Design & Governance	• End-to-end data design framework covering scope, lifecycle, and standards	• Consistent decisions, trusted data, and controlled ERP transformation
Clean Core Data Architecture	• Loosely coupled data architecture aligned to Clean Core principles	• Continuous innovation without ERP customisation or technical debt
Harmonised Enterprise Data Model	• Enterprise-wide data models spanning ERP and key business domains	• Single source of truth enabling reuse, insight, and scale
AI-Accelerated Data Design & Migration	• AI-powered mapping, blueprinting, and migration readiness	• Faster delivery, lower cost, and reduced transformation risk
Data Products & Marketplace Enablement	• Operational and analytical data products with governed sharing	• Self-service data access and faster business value
Intelligent Data & Process Enablement	• Data foundations designed for analytics, AI, and automation	• ERP data becomes a system of intelligence driving measurable outcomes

Key IBM Enabler: IBM GenAI Data Accelerators

A suite of AI-powered tools that streamline data architecture and processes, reduce implementation costs by 40%, and rapidly accelerate the transformation of our client's data environment. Our accelerators cover core components of data projects, including data strategy, delivery and maintenance.

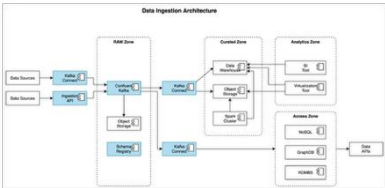
Our Assets and Accelerators

Data Strategy

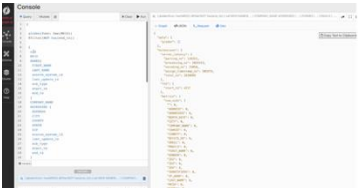


 **GenAI Data Platform Genius**

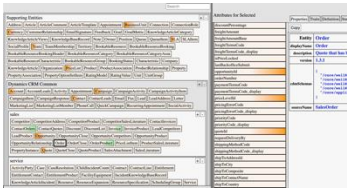
Data Delivery



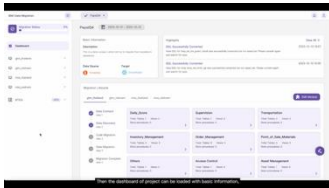
 **Intelligent Integration Engine**



 **Lightweight MDM Engine**

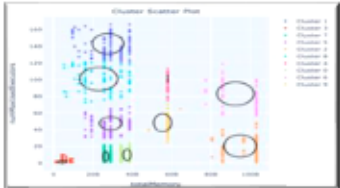


 **Intelligent Workflows**

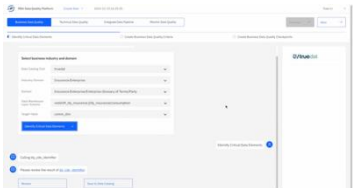


 **GenAI Data Migration Assistant**

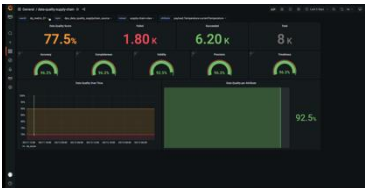
Data Maintenance & Evolution



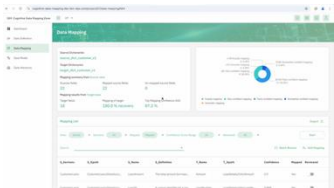
 **Truedat Data Catalog**



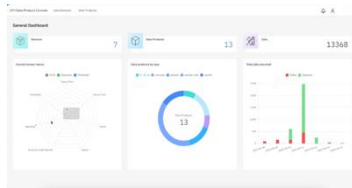
 **Data Quality Platform**



 **Real-Time Data Quality Component**



 **Cognitive Mapper**



 **GenAI Data Product Console**

Key IBM Enabler: Enterprise Data Design Methodology

A structured, end-to-end methodology that enables organisations to design, govern, and operationalise enterprise data in support of ERP transformation, Clean Core principles, and scalable AI and automation.

What does the methodology cover:

- Structured readiness assessment across multiple data pillars, using predefined questions and weighted scoring to identify gaps and priorities.
- Enterprise domain models defining core business entities, reusable across industries and large-scale ERP transformations.
- Data-first migration approach focusing on data quality, harmonisation, and fit-for-purpose data rather than system-only migration.
- Data product design playbook providing clear definitions, patterns, and guidance for designing operational and analytical data products.
- Data marketplace reference architecture accelerating the setup of governed, scalable data sharing and self-service consumption.

