

Data Governance & Compliance

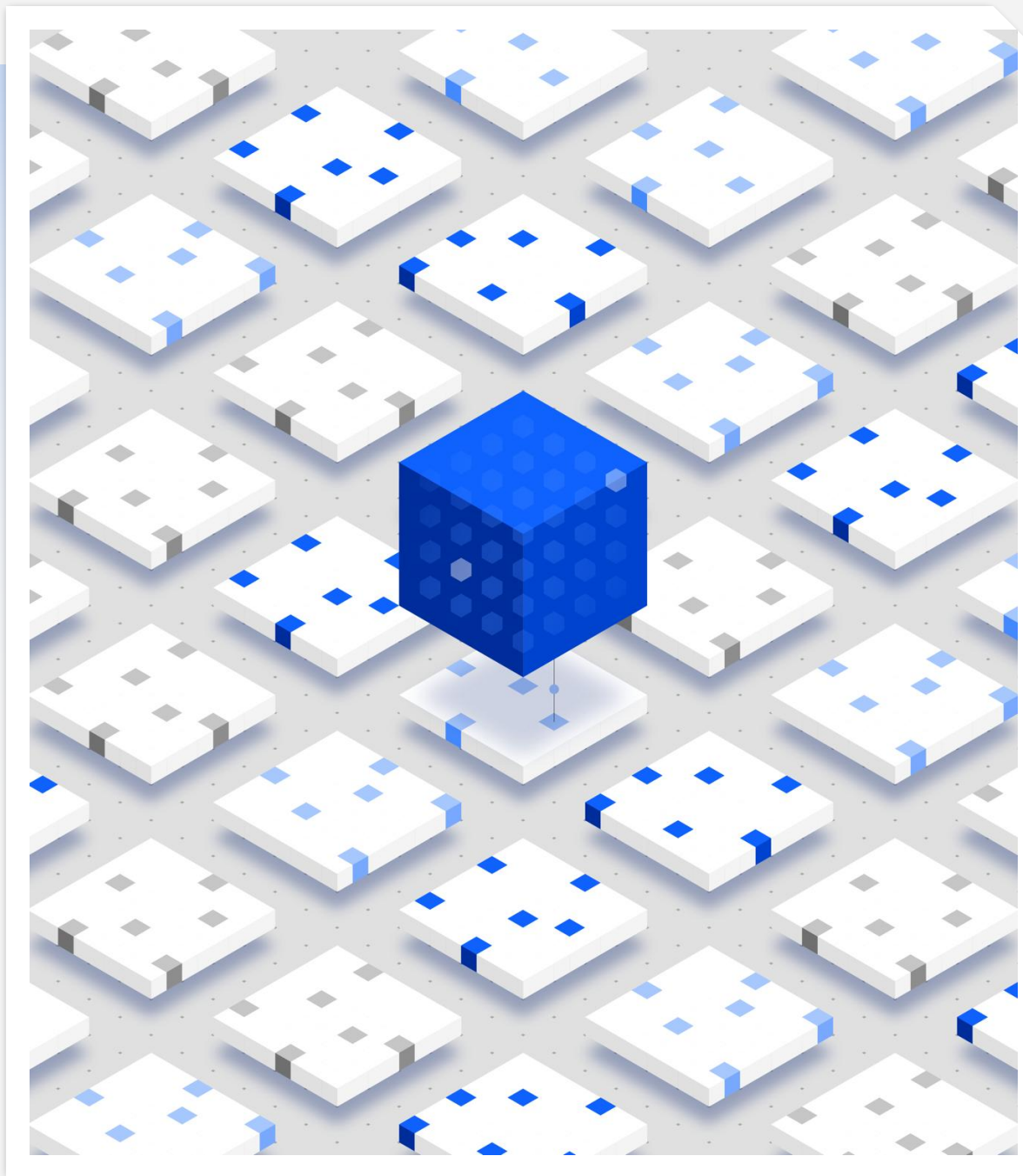
Compliance by design

CRRS : Delivering trusted, auditable data

Bart Dekempe

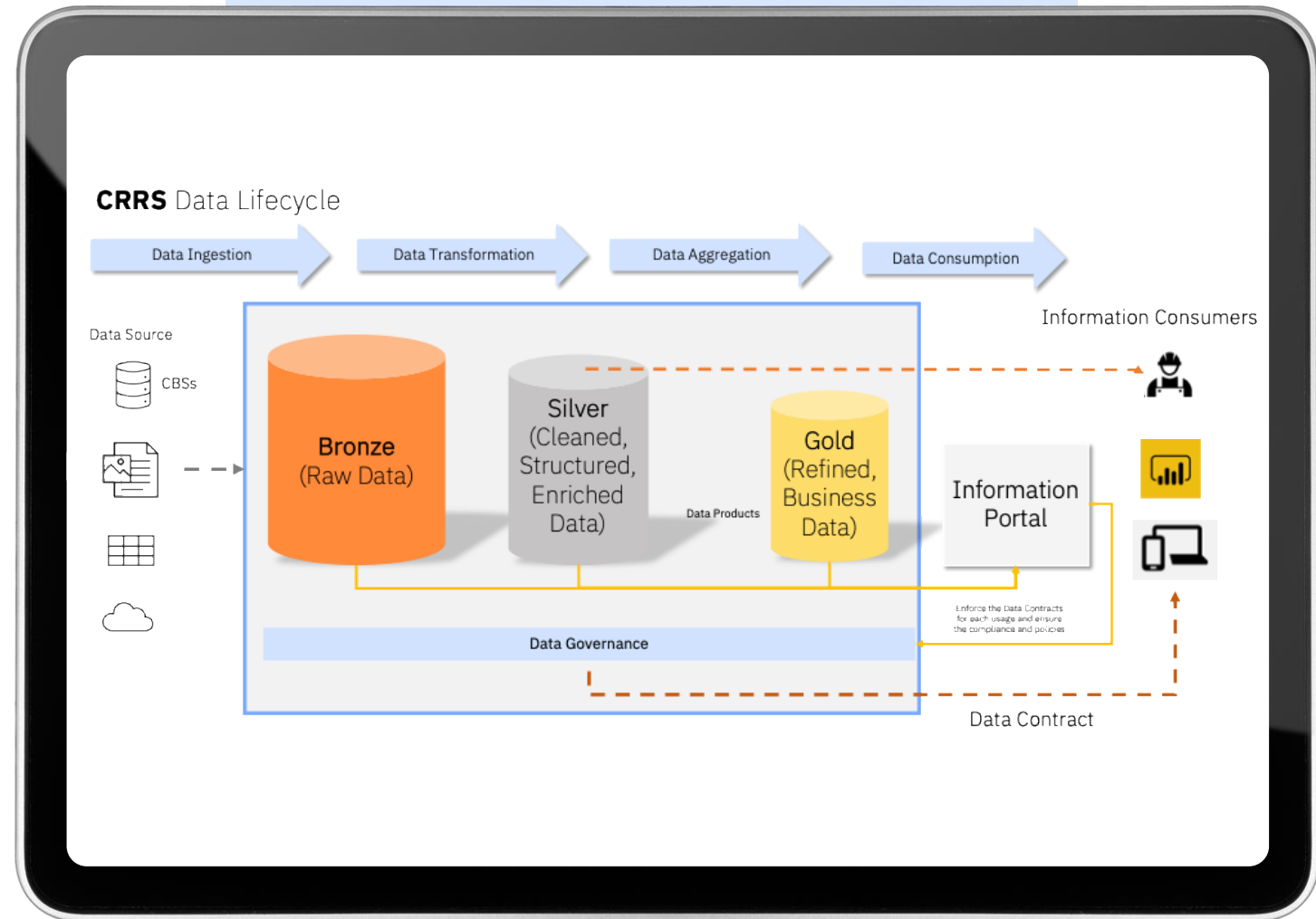
Data & AI Solution for EU

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CRRS – Solution Overview

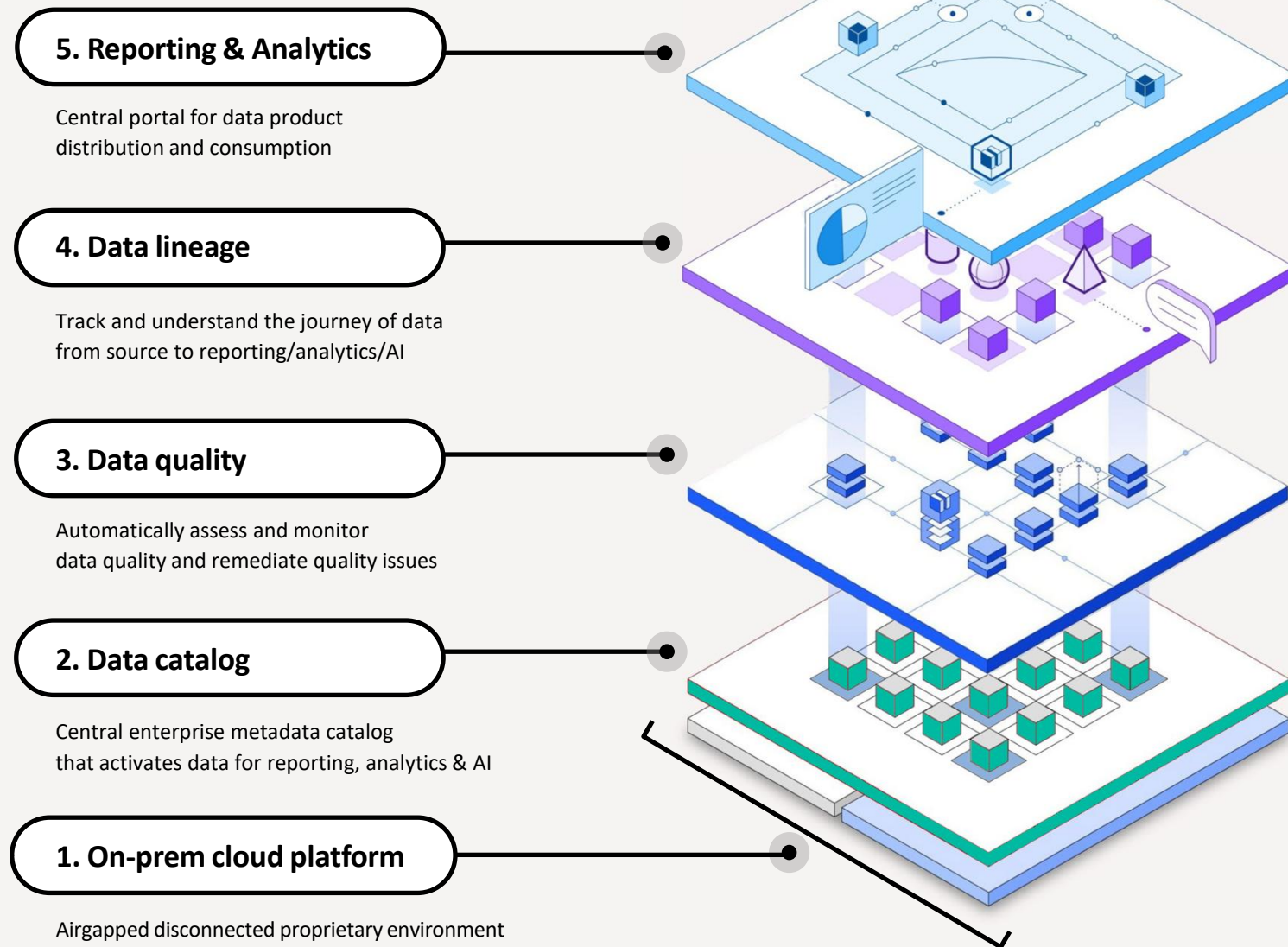
- Consolidates data from the different Core Business Systems (ECRIS, Eurodac, ETIAS) and Interoperability components (CIR, ESP,sBMS) anonymised
- Stored in S3-compatible Open Object Storage and Postgres using Open Data Formats
- Data restructured and integrated in support of reporting & advanced analytics
- Role based access
- Sovereign Data & AI Solution



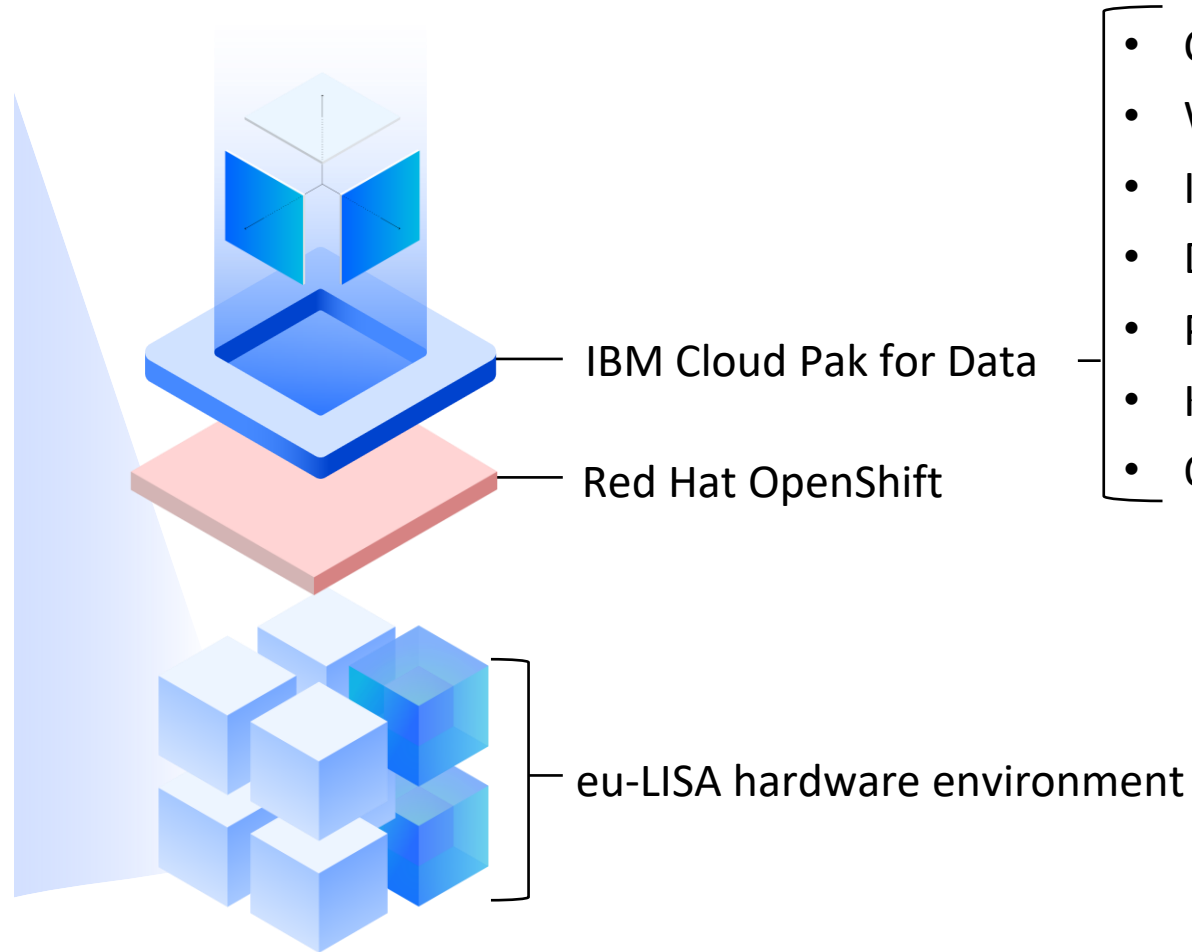
Data Governance layers in CRRS

Integrate, access, govern, and secure **all data** with an **open data architecture**

Confidence in the **quality of the data** and the **insights it generates** using IBM's data intelligence solution



1. On-prem cloud platform : Sovereign Data & AI solution



- Cognos Analytics
- Watson (AI)
- IBM Knowledge Catalog + Data Lineage
- DataStage
- Postgres
- Kafka
- Object Storage

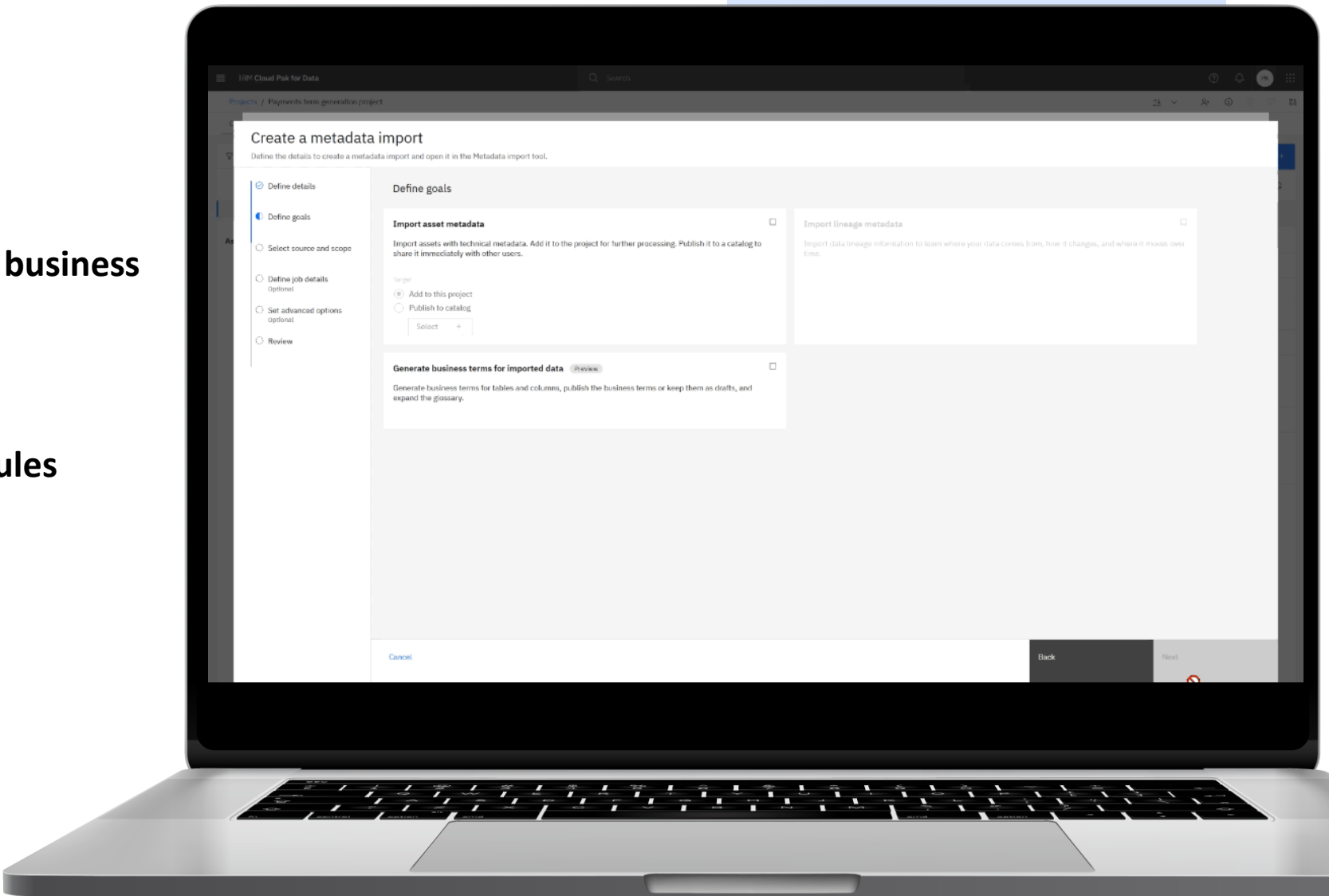
2. Intelligent Data Catalog

Facilitates advanced data discovery

AI assisted & automated generation of new business terms

Data privacy risk assessment

Real-time enforcement of data protection rules



3. Data Quality Automation

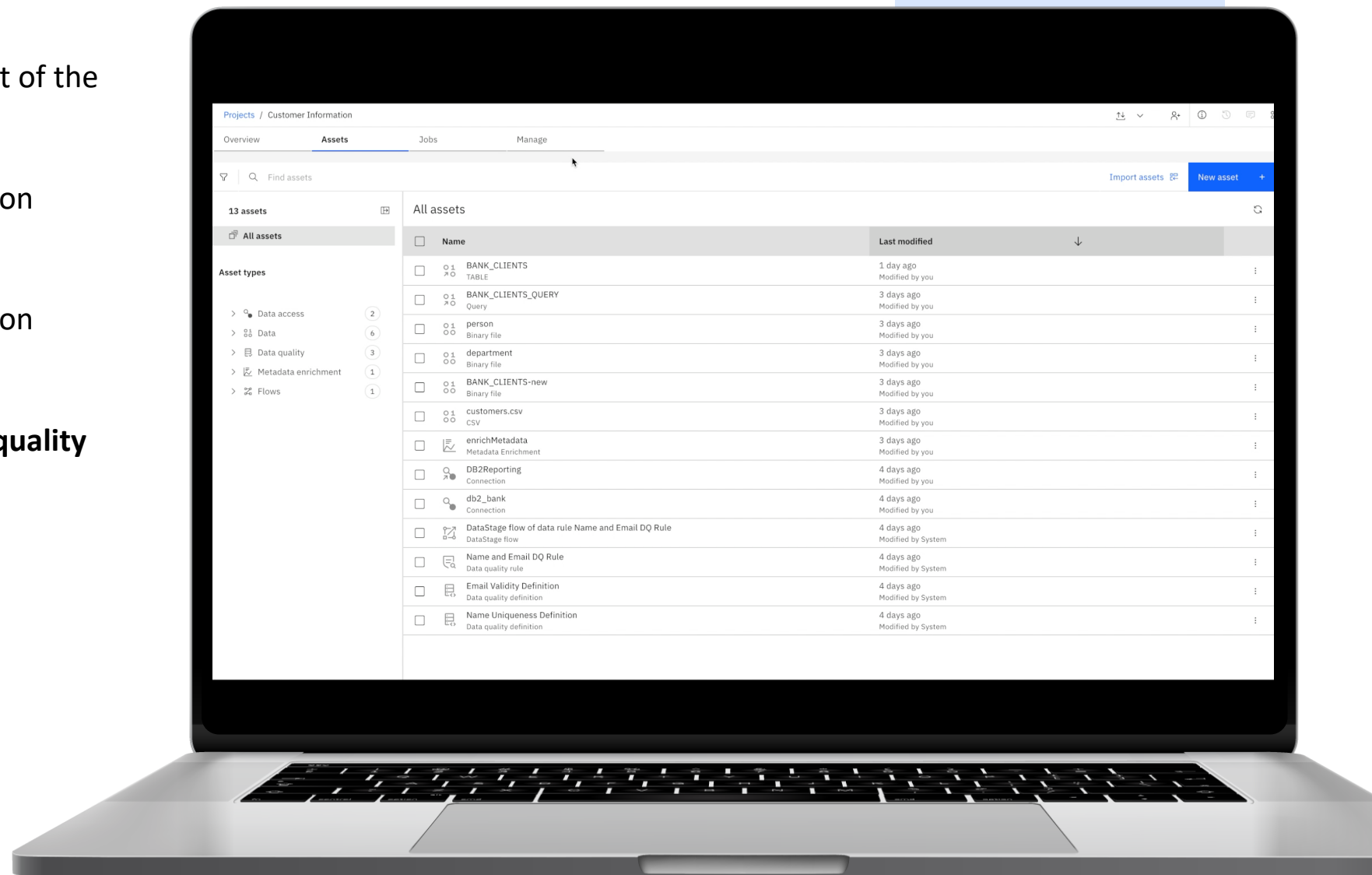
Defining data quality requirements as part of the glossary

Auto generated data quality checks based on **Profiling**

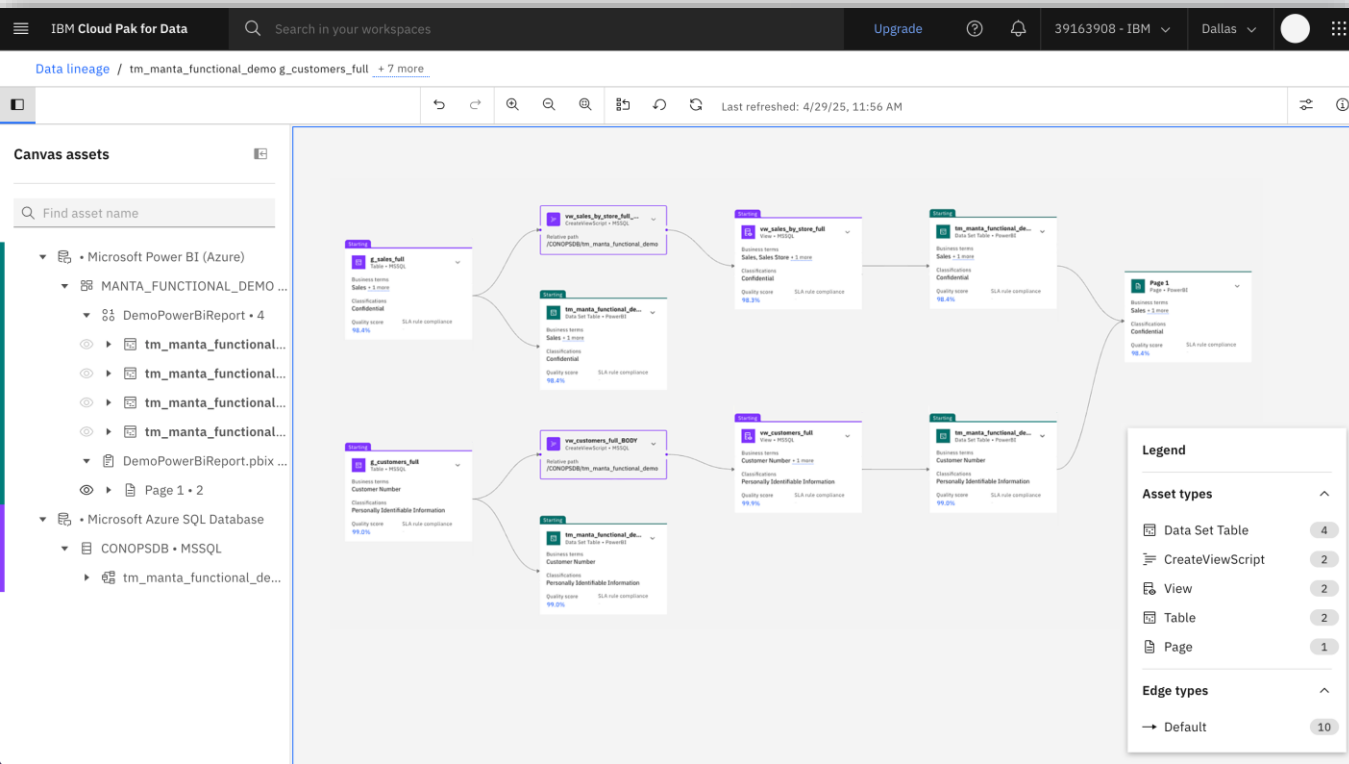
Auto generated data quality checks based on **Business Terms**

Auto generated **referential integrity** data quality checks

Data quality 'Homogeneity' for **historical stability** data quality checks



4. Unified Data Lineage: Business, Technical and Quality Metrics



Introspect technologies across the **end-to-end** journey of data exposing detail at a level that is **fit-for-purpose**

Lineage is enriched with business **vocabulary** and **quality** assessment to drive understanding and identify data issues

5. Cognos Analytics : AI Powered Reporting & Analytics



Analysis & Discovery

AI powered self-service with a natural language interface for guided insights & dashboards. Without deep technical skills identify trends and patterns with predictive analysis and AI assisted Visualizations

Powerful report distribution

Deliver reports to any number of users in multiple formats with different filters, in any language, on a schedule

Fully Auditable

All reports are versioned, access recorded.

IBM Data Governance Solution components position in the 11/2025 Gartner® Magic Quadrant™

Metadata Management Solutions



Explore insights in the [blog](#) and [report](#). Gartner

Data Analytics and Governance Platforms



Explore insights in the [blog](#) and [report](#). Gartner

Augmented Data Quality Solution



Explore insights in the [blog](#) and [report](#). Gartner

CRRS: extendable platform for trustworthy AI driven analytics

Platform can easily be enriched when required

EXTENDABLE

Adding new (type of) data

Add data from anywhere

Add (semi-) unstructured to the analytical equation

Keeping data governance & access consistent for consistent for structured & unstructured data data

Real-Time Streaming

Become single source of truth for real-time & historical data

By adding a streaming pipeline the Data Lakehouse becomes a Streamhouse.

Bringing past and current data together delivers a full picture of the situation, all the times.

GOVERNED GenAI

for trusted & compliant use of AI

Adding Operational governance for AI models models and GenAI assets.

OPEN

Built on open source, open standards, and an open ecosystem – Keep Digital Sovereignty

Summary → CRRS is ready for its purpose. + Easily extendable to support additional (unstructured) data, real-time streaming and generative AI capabilities.



