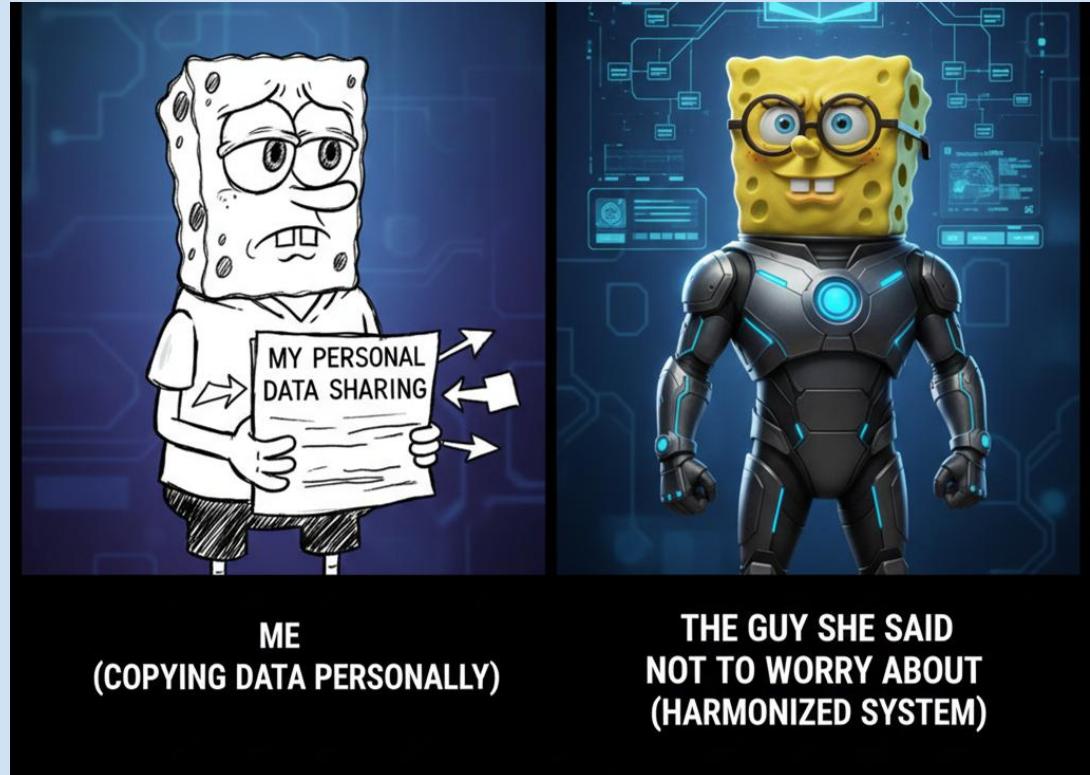


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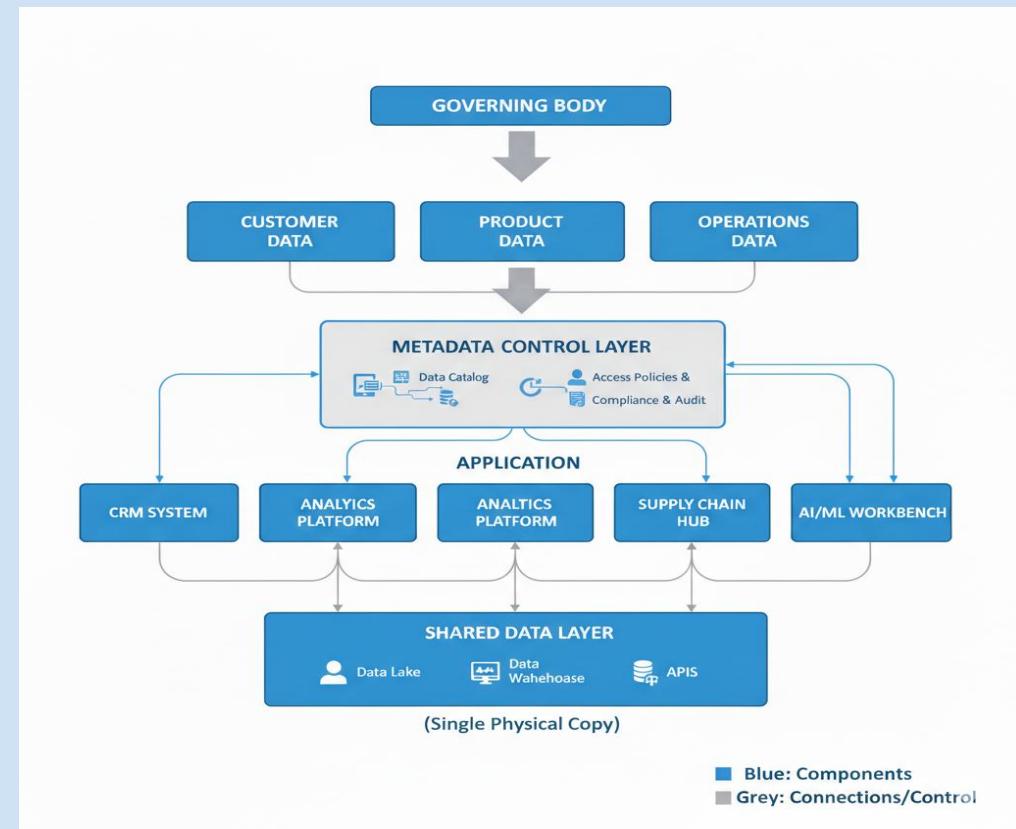


Why copy data when you can just share the original?

# What is ISO/IEC 25642, 2025?

02/05

- 01: Blueprint designed for IT professionals and leaders who are facing complex data integration challenges.
- 02: Specifies minimum recommendations for "zero-copy data integration".
- 03: Directs organizations to avoid creating application-specific data silos.
- 04: Instead of copying data, recommends shared data architecture that allows multiple applications to collaborate on a single, shared physical copy of data.
- 05: Ensures security by embedding granular data access controls at metadata layer, rather than at app or code layer.



**Data is an asset. Every unnecessary copy is a liability.**

# Why was this standard created?

03/05



- 1 To reduce data duplication caused by traditional data sharing methods.**
- 2 To enable secure data collaboration without physically copying data across teams or systems.**
- 3 To establish a standardized governance framework for zero-copy data integration.**
- 4 To improve consistency and trust in shared data across departments and organizations.**
- 5 To support scalable and compliant data ecosystems in an increasingly digital economy.**

**Don't copy data. Govern it.**

**01: Decouple Data from Applications :**  
Avoid application-specific data silos by separating data from software.

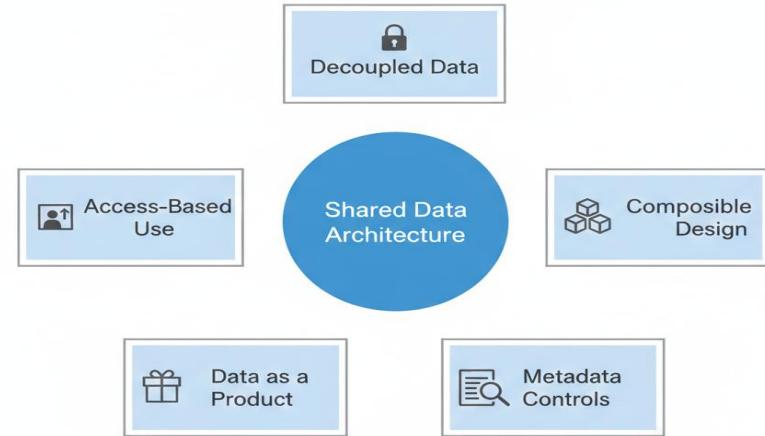
**02: Access-Based Collaboration:**  
Enable collaboration on shared data without creating copies.

**03: Govern Data as a Product :**  
Establish clear ownership governance boundaries for data domains.

**04: Enforce Controls at the Metadata Layer :**  
Apply granular access policies directly at the data layer.

**05: Design for Enterprise Composability:**  
Build modular applications that evolve without duplicating data.

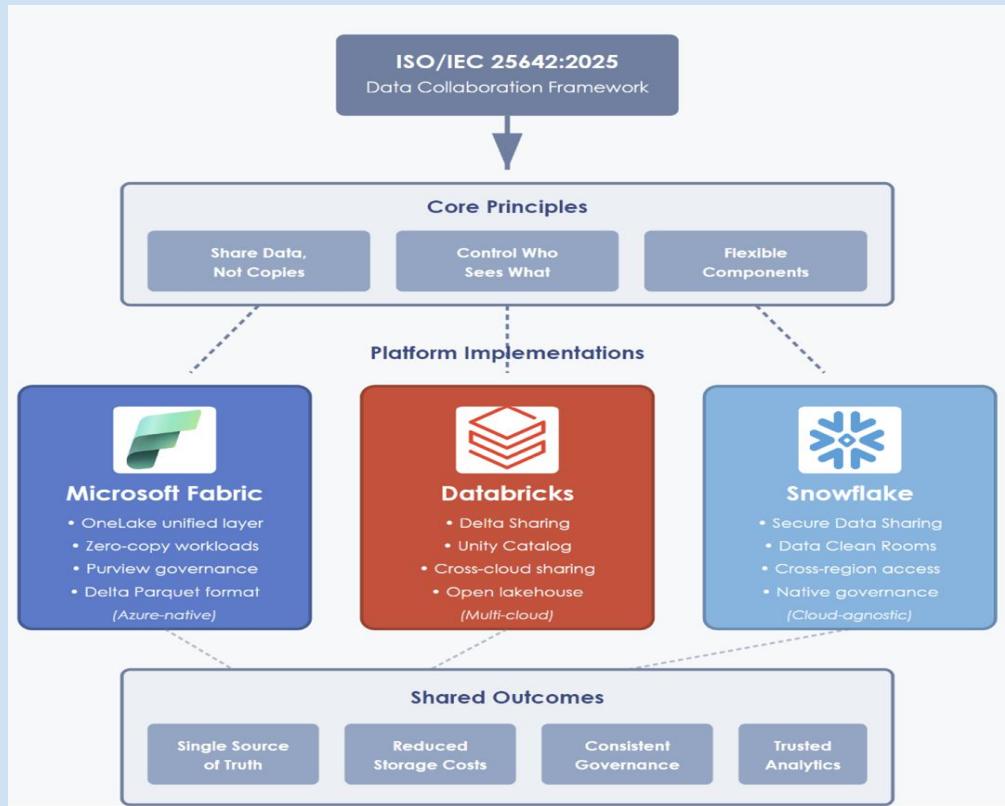
#### ISO/IEC 25642 Core Principles



Build the rules into the data, not the application.

# Practical Implications & Benefits

05/05



- 01: Enables Secure Data Collaboration
- 02: Preserves Data Sovereignty and Control
- 03: Reduces Regulatory & Compliance Risk
- 04: Supports Zero-Copy Data Integration
- 05: Improves Trust Between Organizations
- 06: Enhances Data Quality and Consistency
- 07: Facilitates Trusted Analytics and AI
- 08: Improves Interoperability
- 09: Lowers Data Management Costs

The standard writes the rules. The platforms make it cool.