FACTSPAN

www.factspan.com



Data Mesh-Powered Data Marketplace for a Financial Services Enterprise

Executive Summary:

A leading U.S. consumer financial services organization wanted to move from project-driven data delivery to a governed, product-oriented data operating model. Business teams faced challenges with fragmented data access, limited metadata context, slow discovery, and dependency on central IT teams for analytics delivery.

Factspan helped establish a Data Mesh-aligned Data Product Factory supported by Collibra Data Catalog, Collibra Marketplace, Databricks, and MicroStrategy. The engagement created a governed pilot data product for IT portfolio capacity metrics while defining the ownership, stewardship, metadata, access, and marketplace workflows needed to scale future data products.

About the Client:

The client is a leading U.S. consumer financial services organization operating across consumer banking, credit cards, wealth management, and related financial solutions.

The organization manages a complex, regulated, multi-domain data ecosystem where trusted access, lineage, quality, and reusable data products are critical for analytics, reporting, risk management, and enterprise decision-making.

Business Impact:

- Established a governed Data Product Factory foundation
- Created a pilot data product for IT capacity metrics
- Enabled marketplace-based data discovery and access
- Standardized ownership, stewardship, and RACI workflows
- Improved readiness for future Data Mesh adoption
- Built reusable playbooks for scaling additional data products

Business Challenge:

The client's data environment had grown into a centralized and complex estate, making it difficult for business teams to discover, understand, and consume trusted data independently. Data assets were fragmented across business lines, while metadata, lineage, ownership, and quality context were not consistently available to users.

Analytics delivery depended heavily on central IT teams, slowing time-to-insight and limiting self-service adoption. The organization needed a repeatable way to define, govern, publish, and consume data products with clear ownership, stewardship, access controls, and quality expectations.

The pilot focused on IT portfolio management capacity metrics using JIRA and Planview data, including project, task, estimate, and actual-hours information.

Our Solution:

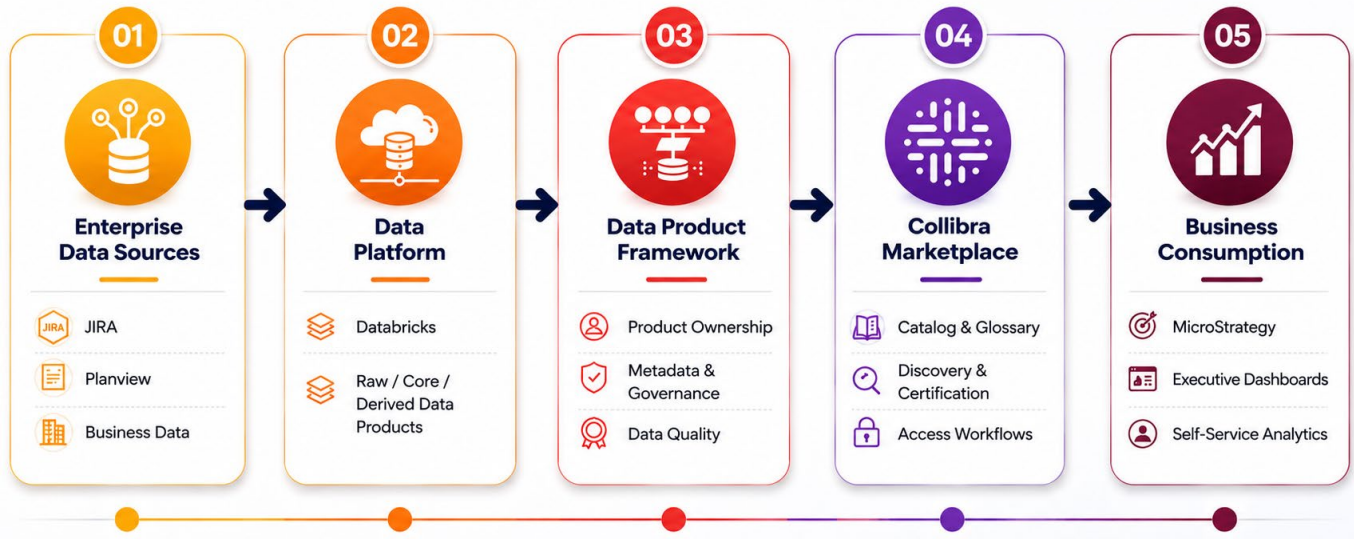
Factspan helped design and implement a Data Mesh-aligned Data Product Factory model to shift data delivery from one-off project outputs to governed, reusable data products. The pilot data product was engineered on Databricks using JIRA and Planview data. It unified capacity, utilization, project activity, and actual-hours information into a governed consumption layer for IT portfolio reporting and decision-making.

The data product structure followed a layered model across raw, core, derived, and BI-ready data products. This enabled source-level traceability, standardized data preparation, governed business logic, and consumption-ready reporting through MicroStrategy.

Collibra served as the governance and marketplace layer. Factspan enabled data product publishing, discovery, access request, approval, certification, glossary, Critical Data Element definition, stewardship, and data quality visibility through Collibra Data Catalog and Collibra Marketplace.

To support long-term scale, Factspan also created a Data Product Playbook and runbook covering use case selection, tollgates, RACI, metadata requirements, publication workflows, approval processes, and steps for building future data products.

Architecture



Factspan is a Data and AI company. We help global enterprises and product companies collect, manage, and analyze complex data structures to drive operational intelligence and business outcomes.