Accelerate your journey to data mesh
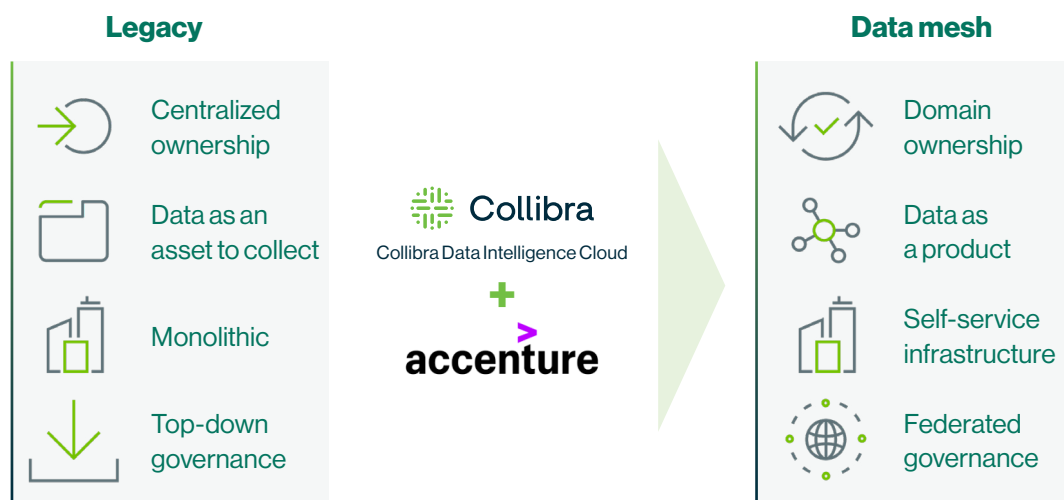
powered by Collibra + Accenture

The Collibra + Accenture partnership helps organizations across all industries rapidly become "Cloud First" and accelerate their digital transformation to realize greater value at speed and scale.

Why data mesh

Many organizations have adopted traditional data warehouses and data lakes as a centralized architecture, but this approach creates significant friction to discover, understand and extract value from data assets. As volumes and demand for data increase, we find the technology and operations are unable to scale – additional factors around data sharing, sensitivity and ownership add to the complexity of a centralized model.

Accelerate the data mesh transformation

Legacy
- Centralized ownership
- Data as an asset to collect
- Monolithic
- Top-down governance

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Data mesh
- Domain ownership
- Data as a product
- Self-service infrastructure
- Federated governance

To harness the true power of data at scale, there is a need to re-shape the fundamental data architecture at organizations. Moving to a distributed and domain driven architecture (and operating model) – aided by standard blueprints, patterns and integration methods, allows organizations to scale data and insights efficiently without compromising quality.

What is data mesh

Data mesh is a new approach based on a modern, distributed architecture for analytical data management. It is designed to maximize the value of data in a data-driven world. It enables data users to easily access and query data where it lives without first moving it to a data lake or data warehouse. The faster access to query data directly translates into faster time to value without needing data transportation.

Data mesh benefits

Remove IT bottlenecks and empower business domains to produce and curate trusted data at scale

Put the control of data in the hands of the data stewards who have deep expertise to maintain the quality of the data

Ensure data is always measured by the value it brings to data consumers and the business

Reduce the complexity for domain owners and take away the friction for users to consume data

Enable enterprise-wide authority while also supporting domain-specific needs with a federated governance approach

Data mesh core principles

Domain ownership
Decentralized ownership of data to business domains who are the subject matter expert

Logically decomposed data artefacts, i.e., data, code, metadata, policy

Federated computational governance
Federated approach to support enterprise-wide authority and enable domain-specific requirements

Codified and automated execution of policies at data product level

Data as a product
Data domains' accountability to share data as a data product

Data product quantum encapsulating all structural components (data, code, policy, infrastructure, metadata)

Provision of domain-specific baseline usability characteristics (consumer experience)

Self-service data platform
Facilitate automated data production and consumption without burdening the business with managing the complexity of compute, networking, security, and storage

Streamlined data consumer experience to discovery, access and use data products

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The decentralized strategy of data mesh distributes data ownership to domain-specific teams that manage, own and serve the data as a product. Business domain teams can ensure data is clean and trustworthy, while also enabling the enterprise data management architecture that provides data consumers rapid access to the data they need.

Collibra and data mesh are a natural fit

Accenture has utilized Collibra as a foundation to successfully implement a data mesh framework at several clients. Based on the experience and proven methodology, Accenture has built out ready to use assets and accelerators along the data mesh experience and data product experience planes – enabling a robust data mesh platform with Collibra.

Collibra + Accenture have collaborated for over eight years delivering best in class, highly scalable, value based outcomes for our mutual clients. Together we enable our clients to unlock meaning in their data, deliver trusted insights as the basis for decisions and unify entire organizations through a solid data governance foundation.

About Accenture
Accenture is a global professional services company with leading capabilities in digital, cloud and security. Combining unmatched experience and specialized skills across more than 40 industries, we offer Strategy and Consulting, Interactive, Technology and Operations services — all powered by the world's largest network of Advanced Technology and Intelligent Operations centers. Our 721,000 people deliver on the promise of technology and human ingenuity every day, serving clients in more than 120 countries. We embrace the power of change to create value and shared success for our clients, people, shareholders, partners and communities. Visit us at www.accenture.com or email Brenda.Bennett@accenture.com for more information.

Domain ownership
Organizational structure
Flexible operating model

Data as a product
Data Catalog
Data Quality
Data Lineage

Self-service infrastructure
Data Catalog
Data Marketplace
Active metadata graph

Federated governance
Centralized framework
Centralized data modeling
security and compliance policies
Role-based access and permission model