

B.A.-BA



10 REASONS TO ADOPT A DATA MESH ARCHITECTURE





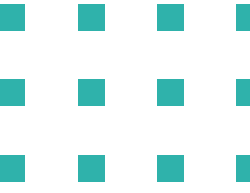
AUTONOMY

Empower businesses to leverage data capital

By distributing data accountability to business teams, you facilitate access to relevant data and accelerate the decision-making process.

Your business users no longer depend on the IT team: they control their own data domain, from data governance to data visualization or the creation of reports.

A structural Data Mesh Self-BI puts all the services needed to fully exploit the potential of data into the hands of business users. Intuitive services from integration to data retrieval, without requiring technical expertise.



Your business Users enrich each other in data integration and sharing

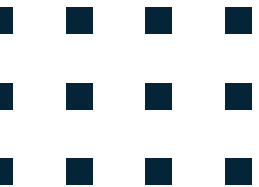
Metadata standardization facilitates the interpretation of data that is more accessible, transparent and understandable for the entire organization. The teams enrich each other.

They collaborate to integrate and share relevant data across domains, enabling knowledge dissemination and sharing across the organization.

A Data Mesh architecture promotes the USE of Data and co-creation.



COMMON KNOWLEDGE





AGILITY

The implementation of your projects becomes more agile and flexible in resource management

The teams do not depend on each other, which avoids any slowdown or blockage from another service. Distributing data processing and use reduces bottlenecks in the decision-making process.

Structurally Data Mesh Self-BI allows everyone to intervene throughout the data lifecycle, modify its structure or management rules, expose them to demand and create or adjust their restitutions in real time.

The IT team can focus on its core business, documentation, security and the provision of the company's data capital.

Each business is responsive to changes and covers its use cases faster

Decentralizing data management allows Business users to respond quickly to specific needs, without depending on the IT team (adding new domains, integrating new sources, adjusting the architecture according to a context...)

The structurally Data Mesh Self-BI allows the Business users to produce renderings on demand, in a few clicks, and to modify them easily if the context changes.



RESPONSIVENESS



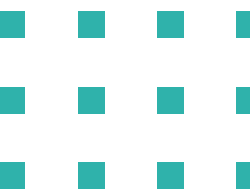
QUALITY

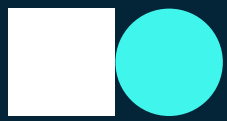
Each Business user is responsible for the quality of its data, which shines on all teams

Each user is responsible for the quality of the data it produces, collects or uses in its operations.

The Business user is responsible for the reliability of its data domain and participates in its governance: administration of management and quality rules, control of sources and verification of the consistency of data with a business reference (customers, products).

Distribute the responsibility of Data Management embarks all the organisation in a process continuous improvement.





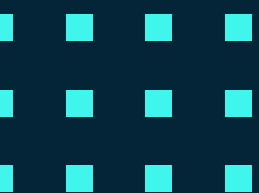
SECURITY

Your governance is secured upstream and configurable to each stage of the cycle of life

By distinguishing raw data from usage data, you give back to each department its original role: IT dedicates itself to its technical expertise, and the Business, to value creation.

By intervening upstream of the abstraction layer, the technical teams determine from the beginning the governance scheme, from the catalog to the data model and the datalineage.

True Self-BI integrates advanced security features to act on the entire data lifecycle and, if necessary, perform targeted restorations that guarantee the security of data capital.



Better communication in the management of your data, thanks to a common semantics

The data catalog provides a unified view of available data. The detailed documentation provides a common reference for the entire organization.

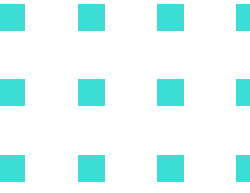
The missing link remains the “usage data” which allows metadata to be defined in a common semantics (field names and Business Line labels, descriptions, documentation, etc.)

This allows teams to better understand and interpret their own and other data.

Use-oriented BI facilitates inter-service communication and collaboration.



DIALOGUE



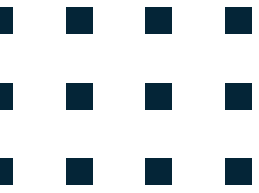
Give yourself the means of scalability

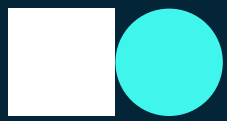
Distributing data and responsibilities across multiple domains allows multiple processing in parallel. It is also a way to manage a growing volume of data.

The structurally Data Mesh Self-BI scales services independently according to the needs of each. Combining the Data approach Mesh to Kubernetes Open Source System, which orchestrates the containerization of micro services, allows to optimize the agility of teams and maximize the scalability of the platform.

As your needs evolve, the services integrated within the platform adapt without impacting the active user experience.

SCALABILITY



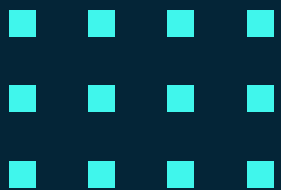


COMPLIANCE

The use of your data is freed while remaining reliable and under control.

You allow each domain to have its own governance rules while maintaining data consistency and ensuring that the overall compliance policy is respected.

True Self-BI provides a monitoring module that covers the entire data lifecycle. Each operation is recorded. Data access and anonymization is defined by user or user group. Because restores to earlier versions are possible, you ensure continuity of services in case of errors.

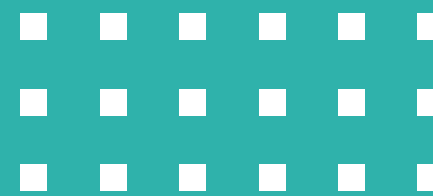




Foster innovation by empowering your teams

Democratizing data means making it more agile, diverse and collaborative. Teams can quickly experiment and iterate on new ideas, new services/products.

With true Self-BI, Business users can test their insights in real time, stimulating innovation and creativity at all levels of the organization.



INNOVATION

Suadeo Self Data Services® Platform Fully Implements Data Mesh Architecture.

FEDERAL GOVERNANCE

INTEROPERABILITY

Roles manager
Service API
Object export
DCTA export
API manager

Suadeo Admin®
Suadeo Catalog®

DOCUMENTATION

Business glossary
Doc manager
Context manager

Suadeo Catalog®

SECURITY

Business glossary
Context manager

Suadeo Catalog®

PRIVACY

Sensible fields encryption
User authorisation manager

Suadeo Admin®
Suadeo Catalog®

COMPLIANCE

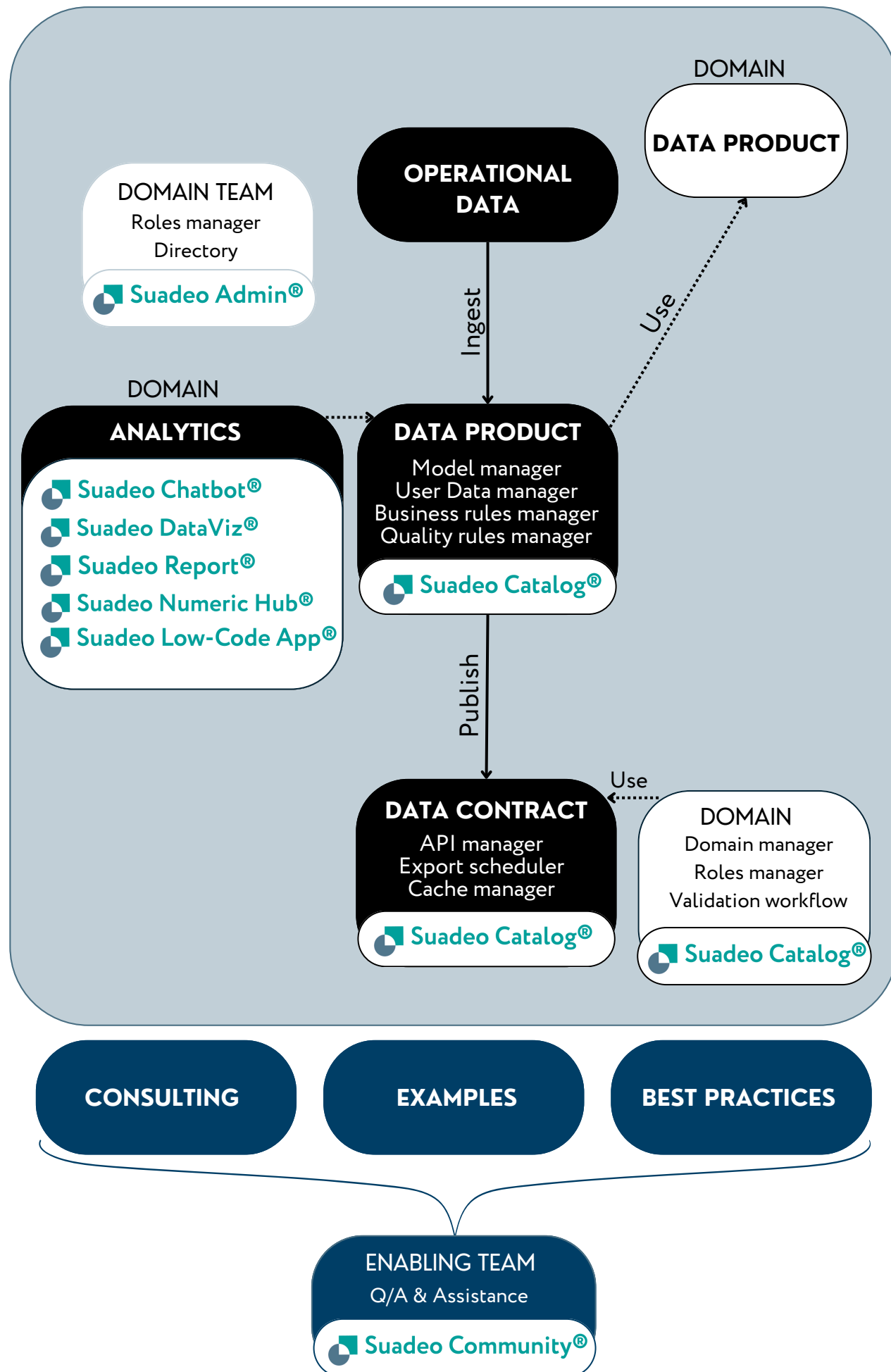
Audit manager
Alert manager

Suadeo Admin®

GOVERNANCE

Roles manager
Directory
User authorization manager

Suadeo Admin®



USER GOVERNANCE

STORAGE AND QUERY ENGINE

Roles manager
Query manager

Suadeo Catalog®

CATALOG

Source manager
Data catalog

Suadeo Catalog®

ACCESS MANAGEMENT

Roles manager
Directory
User authorization manager

Suadeo Admin®

MONITORING

Supervisor
Lineage automator

Suadeo Catalog®

AUTOMATISATION

Service API

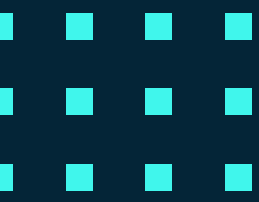
Suadeo SDS®

GOVERNANCE

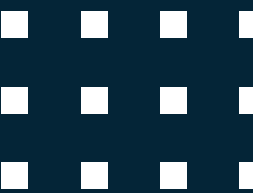
Roles manager
Directory

Suadeo Admin®





THE DATA MESH TURNKEY



Adopt a DATA MESH oriented architecture to enhance your data and promote autonomy and the search for innovation.

Don't miss out on the cultural shift in how companies view their data!

THE SUADEO SELF DATA SERVICES® PLATFORM IS THE ONLY "SELF-BI" SOLUTION ON THE MARKET WITH AN INHERENTLY DATA MESH ARCHITECTURE.

Thanks to Suadeo's Full Data Mesh accelerators, the business and SIs teams gain in performance, dedicating themselves to their own expertise, while converging towards the same objectives.

