



FinTech and InsuranceTech case studies digitally transforming Europe's future with BigData & Al driven innovation

Overview & Key offerings

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BigDataStack main proposition

- Data-driven (cluster management) system
 - Efficient and optimized infrastructure management for data operations and big data applications
- Key enablers
 - Deployment and orchestration of data analytics pipelines and composite applications
 - Data-focused application analysis and dimensioning
 - Cluster resources / nodes characterization
 - Information-driven networking
 - Triple monitoring (infrastructure, application operations)
 - Runtime optimizations / adaptations





Offerings to different stakeholders

Data-driven infrastructure management system for infrastructure providers

Data as a Service for data providers, decision makers, private and public organisations



Process
modelling and
optimization
framework for
business analysts

Data toolkit for data scientists and practitioners







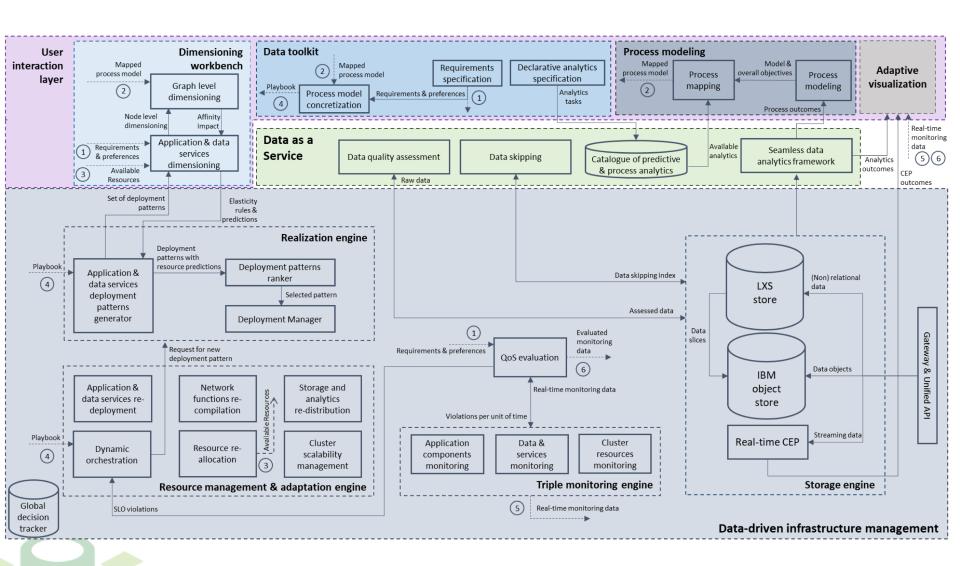


Application dimensioning workbench for application providers and engineers





Putting the pieces together





Shaping Europe's digital future

"Improving <u>access</u> to and the <u>management</u> of data is fundamental. Without data, the development of AI and other digital applications is not possible."

White paper: AI - A European approach to excellence and trust

- Offerings across the complete data path and seamless data analytics framework on top of diverse datastores
- "Increase <u>access</u> to <u>high-quality</u> data"

 Communication: Shaping Europe's digital future
 - Domain-agnostic data quality assessment and
 - improvement
- European <u>data spaces and federated cloud</u> <u>infrastructures</u> replying to key challenges for "data interoperability and quality" and "data infrastructures and technologies"

White paper: A European strategy for data

Data-driven infrastructure management incorporating AI approaches for infrastructure operations





Ready-to-use innovations

