SAP Data Unleashed - SAP Datasphere
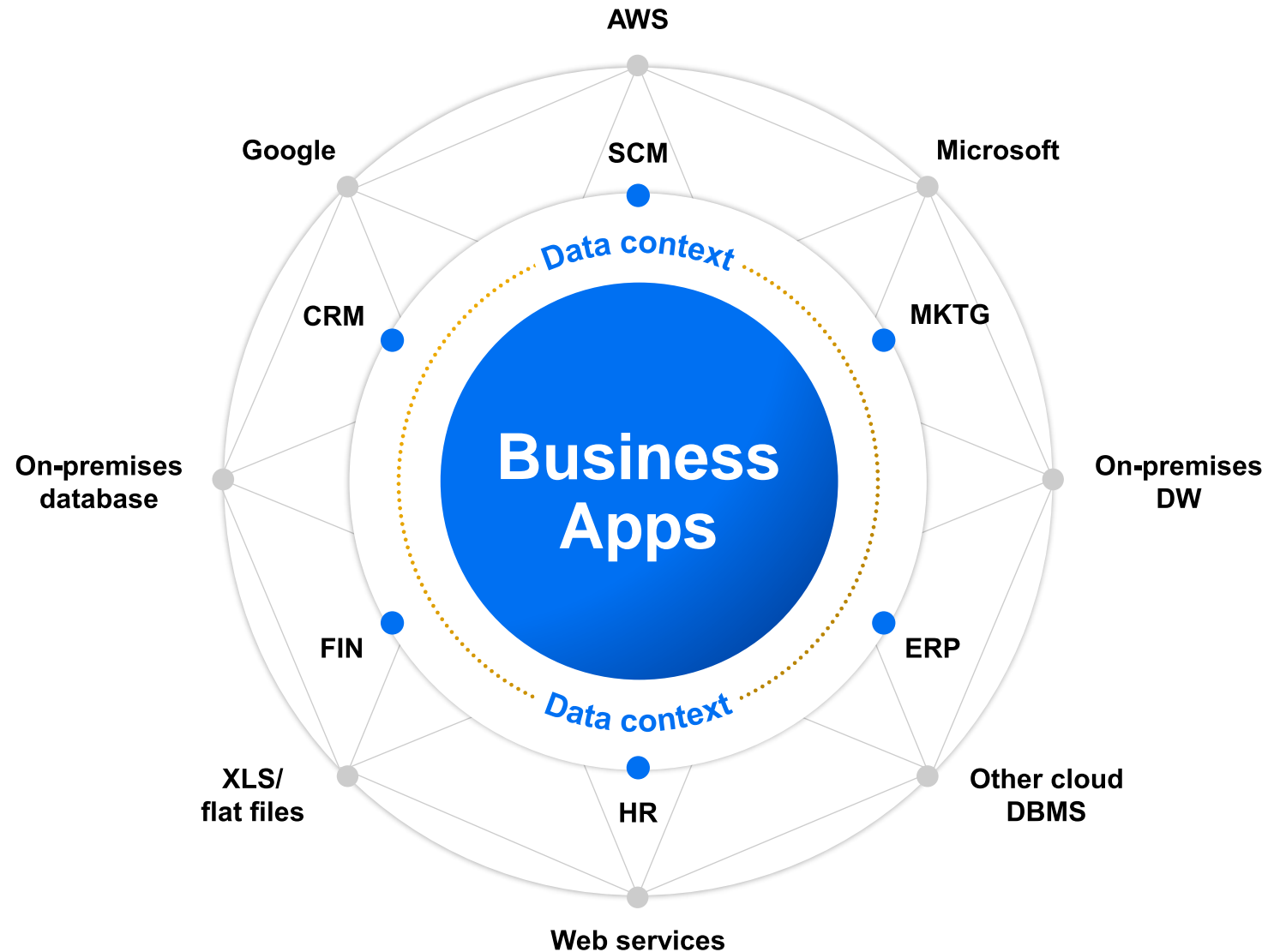
Mikal Netteberg, COE EMEA N
March, 2023

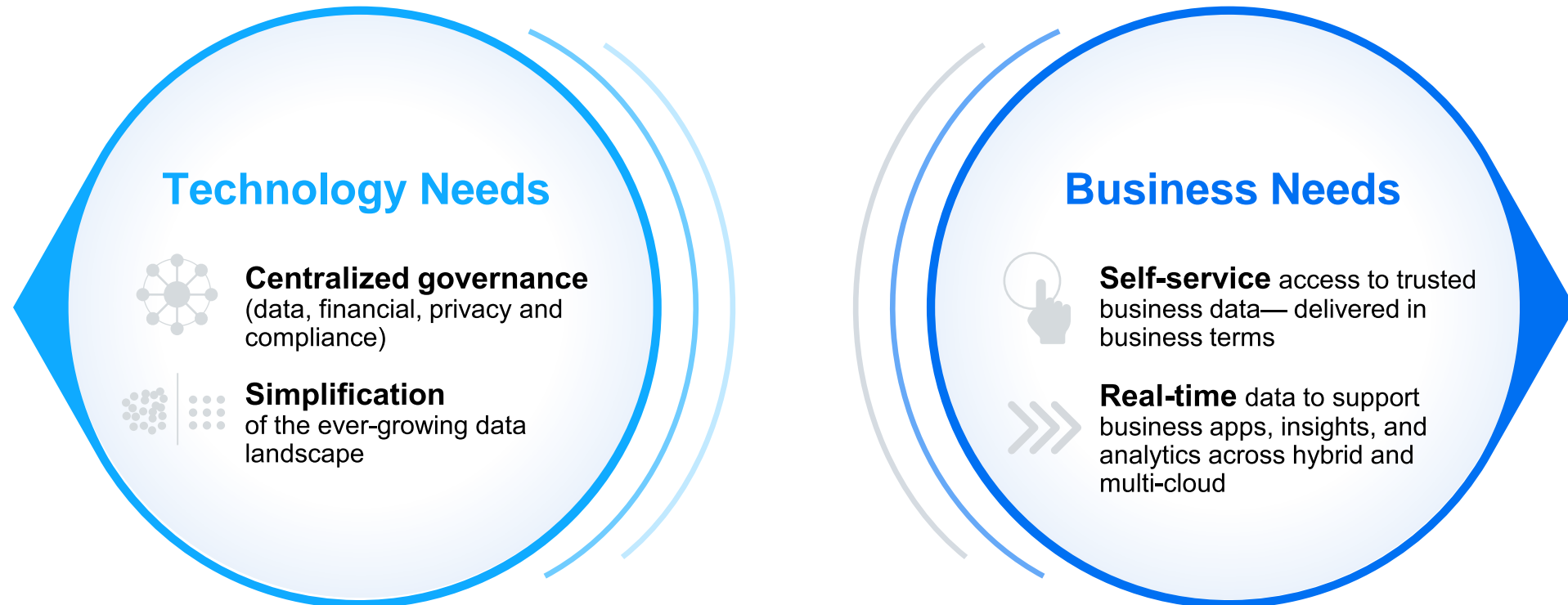# (Multi-) cloud brings new opportunities and challenges

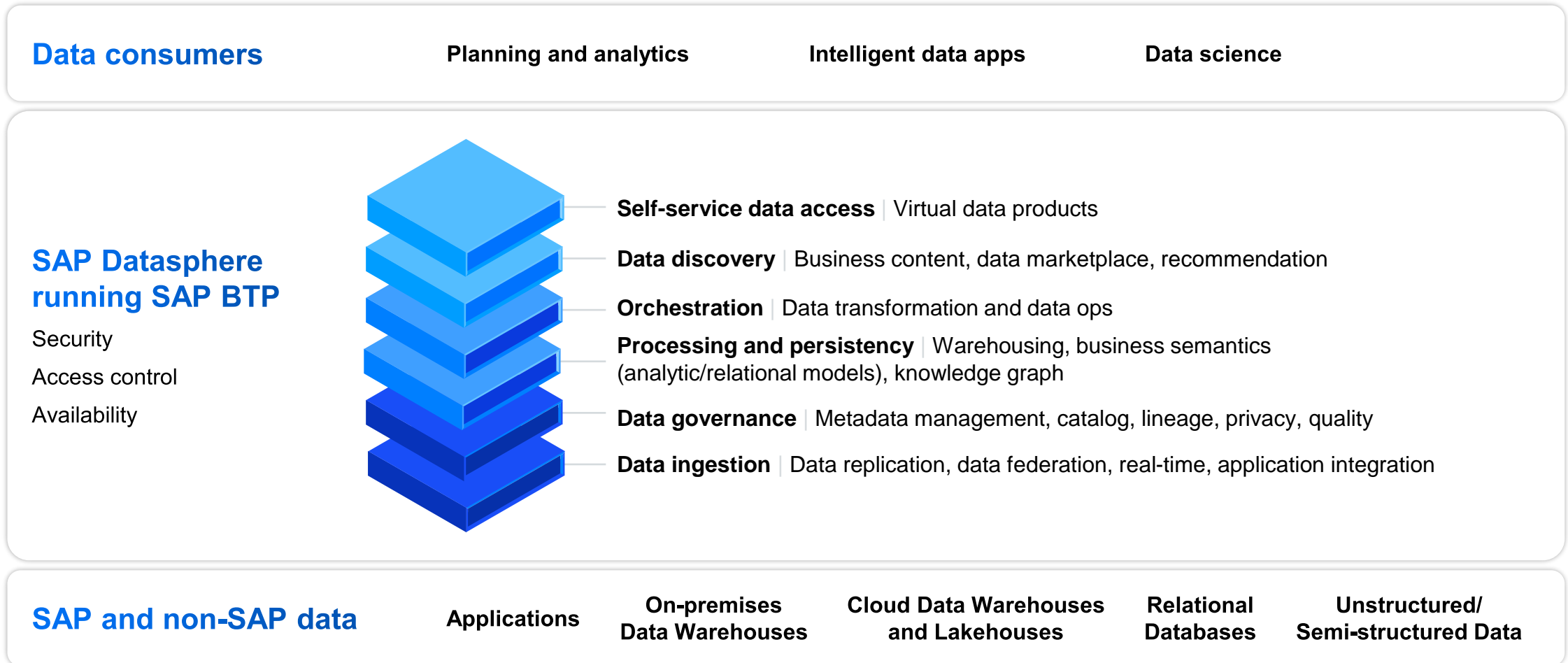New data sets spawn new projects

On-premises sources remain

Complexity has increased, shifting governance and integration work back to customers

Universal yet opposing data needs for business and technology stakeholders

Technology Needs

Centralized governance
(data, financial, privacy and compliance)

Simplification
of the ever-growing data landscape

Business Needs

Self-service access to trusted business data— delivered in business terms

Real-time data to support business apps, insights, and analytics across hybrid and multi-cloud

SAP Datasphere is the foundation for a business data fabric architecture

Data consumers   Planning and analytics   Intelligent data apps   Data science

SAP Datasphere running SAP BTP

Security

Access control

Availability

Self-service data access | Virtual data products

Data discovery | Business content, data marketplace, recommendation

Orchestration | Data transformation and data ops

Processing and persistency | Warehousing, business semantics (analytic/relational models), knowledge graph

Data governance | Metadata management, catalog, lineage, privacy, quality

Data ingestion | Data replication, data federation, real-time, application integration

SAP and non-SAP data   Applications   On-premises Data Warehouses   Cloud Data Warehouses and Lakehouses   Relational Databases   Unstructured/ Semi-structured Data

Together with our open data partners

Data consumers
      Planning and analytics   Intelligent data apps   Data science

SAP Datasphere running SAP BTP

Security

Access control

Availability

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CONFLUENT

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SAP and non-SAP data
    Applications   On-premises Data Warehouses   Cloud Data Warehouses and Lakehouses   Relational Databases   Unstructured/Semi-structured Data
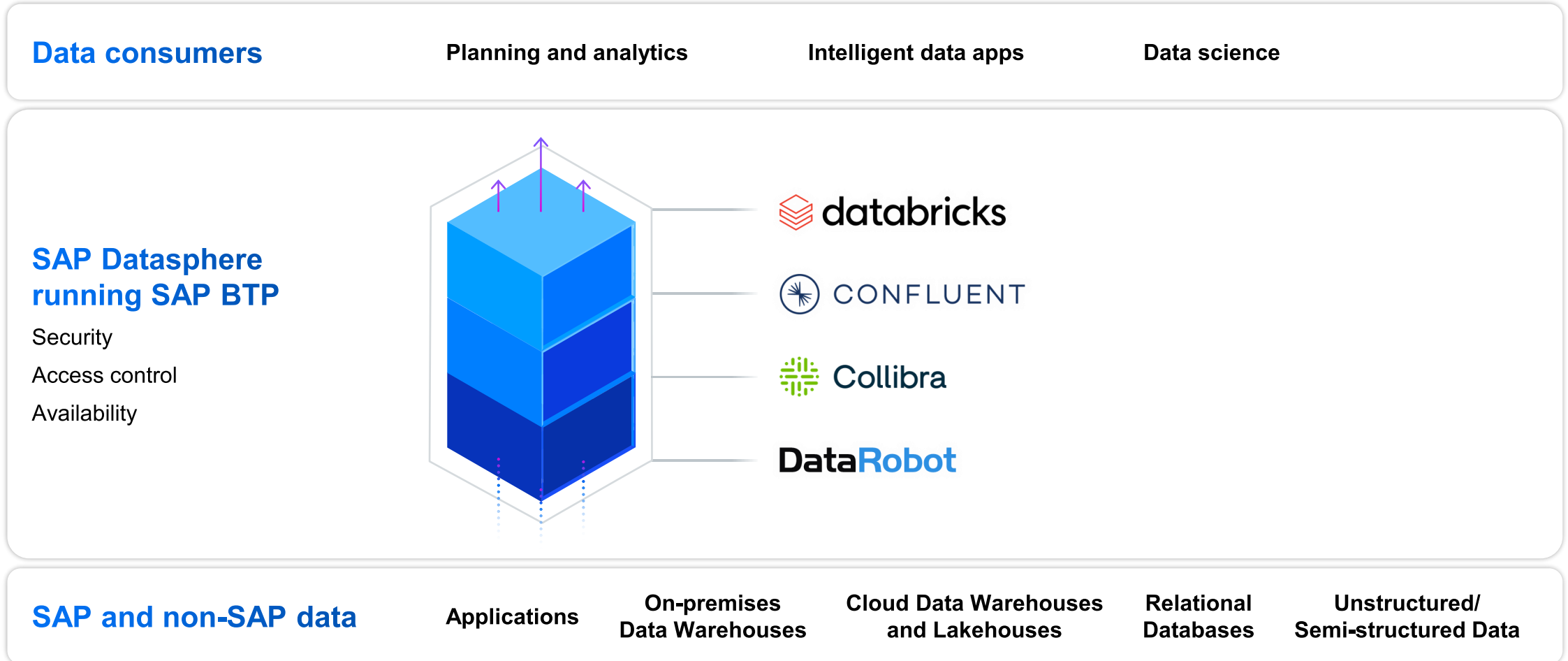
Evolving SAP Data Warehouse Cloud towards a business data fabric

Key features of SAP Datasphere

Data warehousing and data federation	Business content	Data marketplace	**NEW** Semantic modeling: analytic models	**NEW** Data catalog, quality, and orchestration	**NEW** Application and data integration
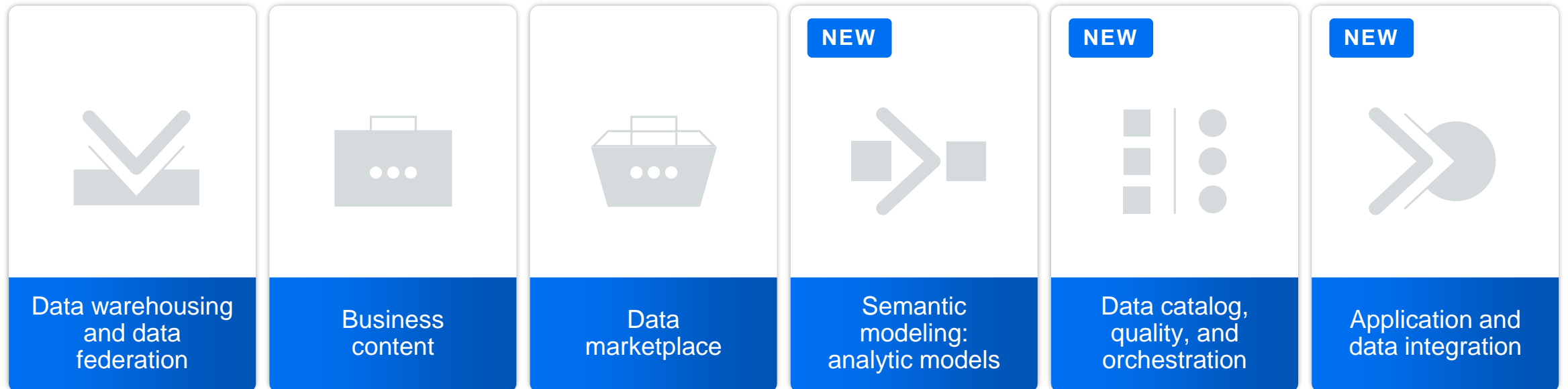
Semantic Modeling

Make it effortless to model your business

Solve complex modeling requirements with new SAP Datasphere Analytic Model

Satisfy needs of business and technical users

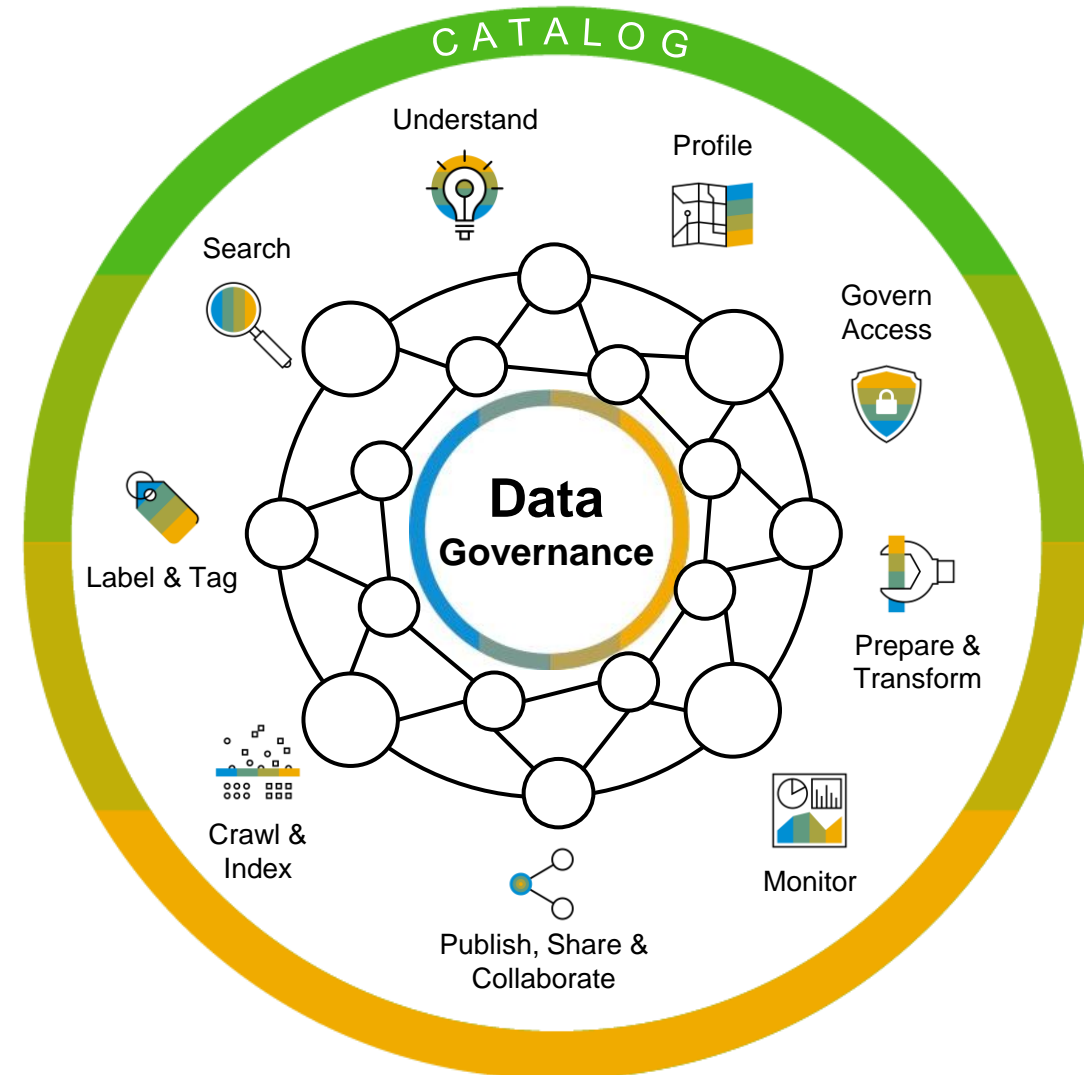Reuse the semantical definitions and associations from SAP applications
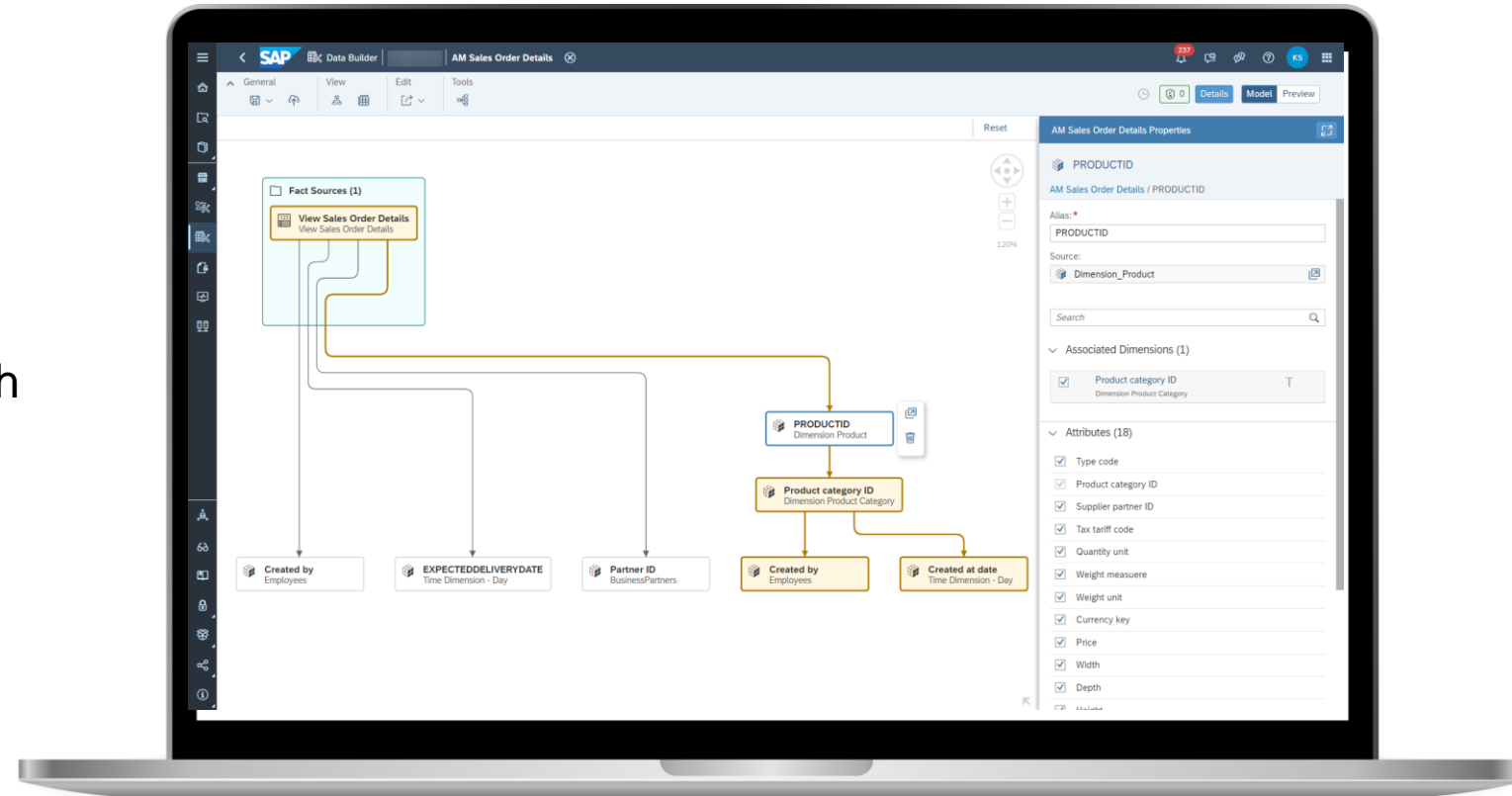
Catalog

Enabling Governance

Discover data (*crawl*, *profile*, *organize*, *link*, and *enrich*) and make data accessible (*browse*, *search*)

Classify, organize, and understand data (*location*, *attributes*, *quality*, *lineage*, *sensitivity*)

Enforce centralized authorization and security for data orchestration, and control data quality standards

CATALOG

Understand

Profile

Search

Govern Access

Label & Tag

Data Governance

Prepare & Transform

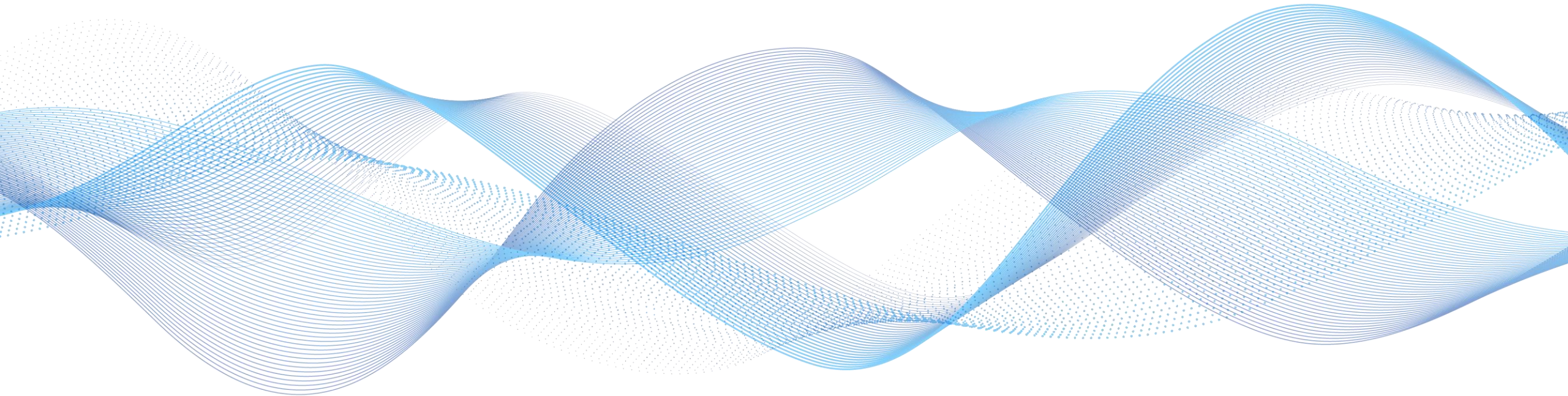Crawl & Index

Monitor

Publish, Share & Collaborate

Why a business data fabric

Maximize valuable business context of mission-critical processes in real-time

Accelerate trusted decisions

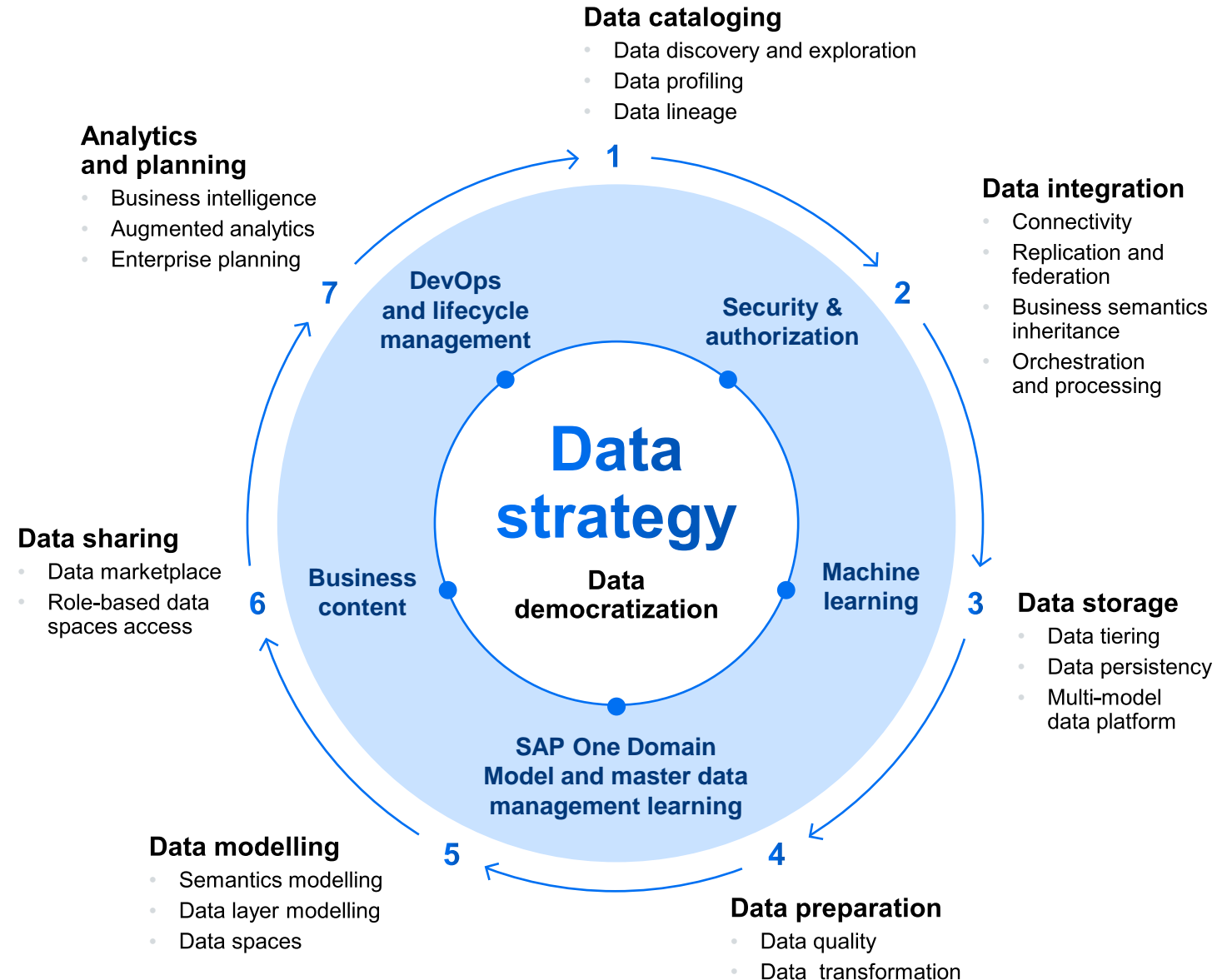Leverage existing skills and projects

Access authoritative data

Ensure governance throughout the data lifecycle

Discover, manage, and govern all data with the SAP Datasphere Catalog

Manage data governance from a central point

Establish and share governance rules across systems

Data cataloging
- Data discovery and exploration
- Data profiling
- Data lineage

Data integration
- Connectivity
- Replication and federation
- Business semantics inheritance
- Orchestration and processing

Data storage
- Data tiering
- Data persistency
- Multi-model data platform

Data preparation
- Data quality
- Data transformation

Data modelling
- Semantics modelling
- Data layer modelling
- Data spaces

Data sharing
- Data marketplace
- Role-based data spaces access

Analytics and planning
- Business intelligence
- Augmented analytics
- Enterprise planning

DevOps and lifecycle management

Security & authorization

Machine learning

SAP One Domain Model and master data management learning

Business content

Data strategy

Data democratization

1
2
3
4
5
6
7

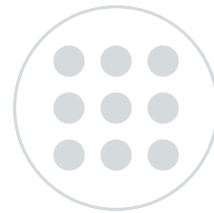# Unleash the power of business data with SAP Datasphere

Access authoritative data

Deliver business data in its business context

Make it effortless to model your business

Ensure governance throughout the data lifecycle

Enrich all data projects

Virtually access or physically store data from anywhere

Leverage trusted data partners and securely share data across the organization

Integrate with industry-leading data and AI platforms to capitalize on data investments

Simplify the data landscape

Innovate across hybrid architectures leveraging existing SAP models

Enable self-service data access

Leverage existing SAP BW models and transformations to innovate in the cloud

Enrich all data projects

Integrate with industry-leading data and AI platforms to capitalize on data investments

Bring SAP and non-SAP data together leveraging tailored integration with solutions from open data ecosystem partners.

Reduce integration complexity

Get an integrated view of information regardless of where it is stored or how it was designed

databricks

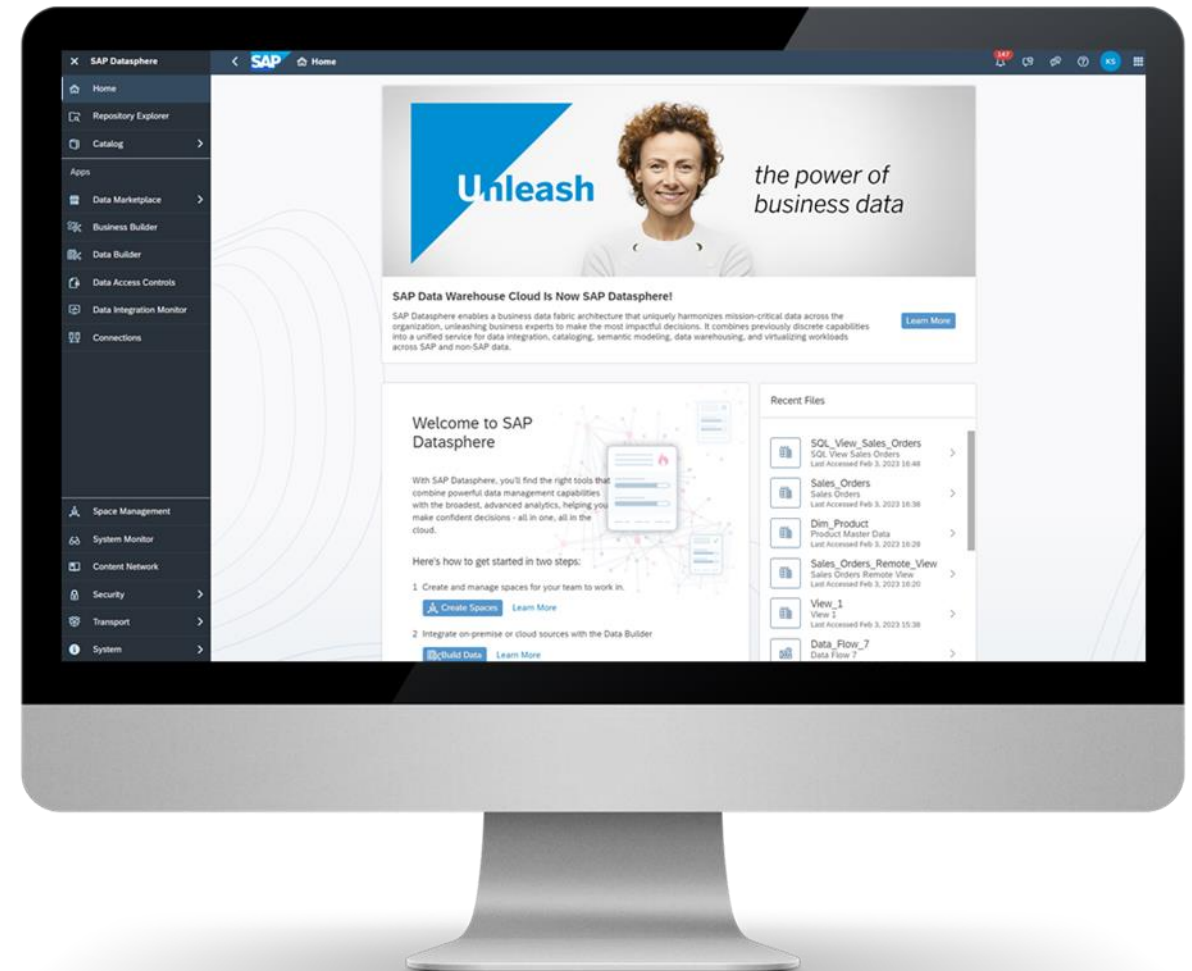CONFLUENT

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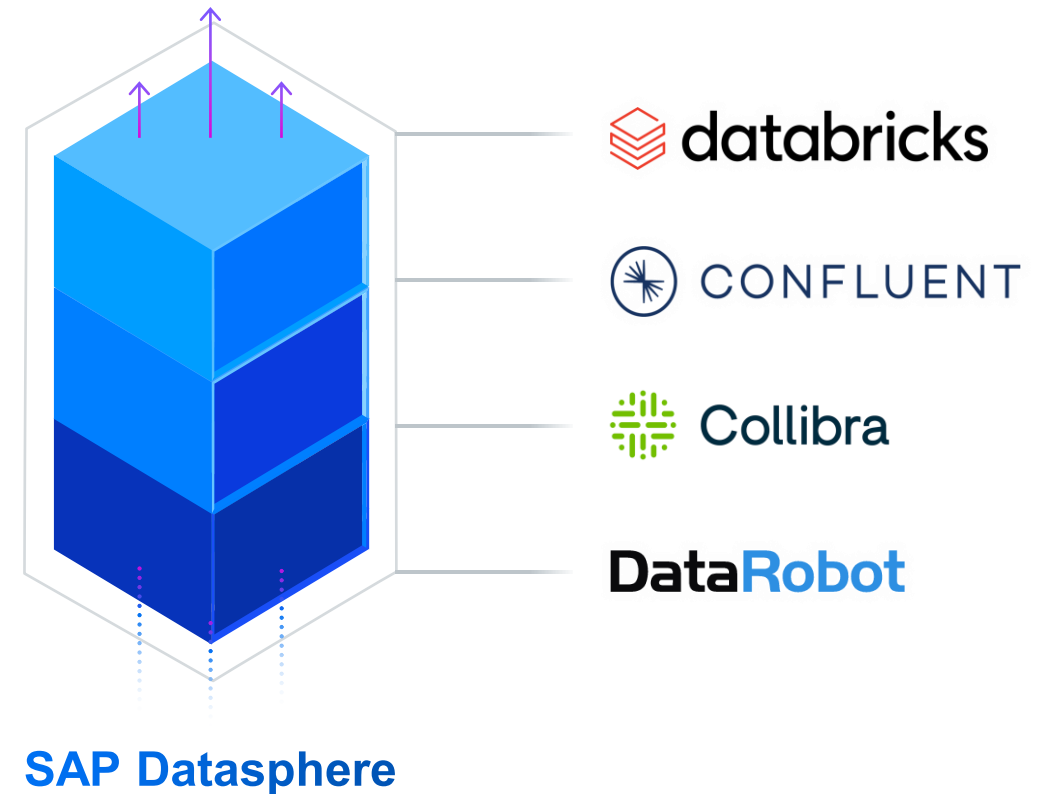
SAP Datasphere

Start your data and analytics journey with SAP Datasphere

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Thank you.

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