Bring Out Your Best with SAP Datasphere

SAP
March 2024

PUBLIC

Data needs context for authoritative decision-making

Innovation has happened in silos

Data, especially metadata, has been removed from its context

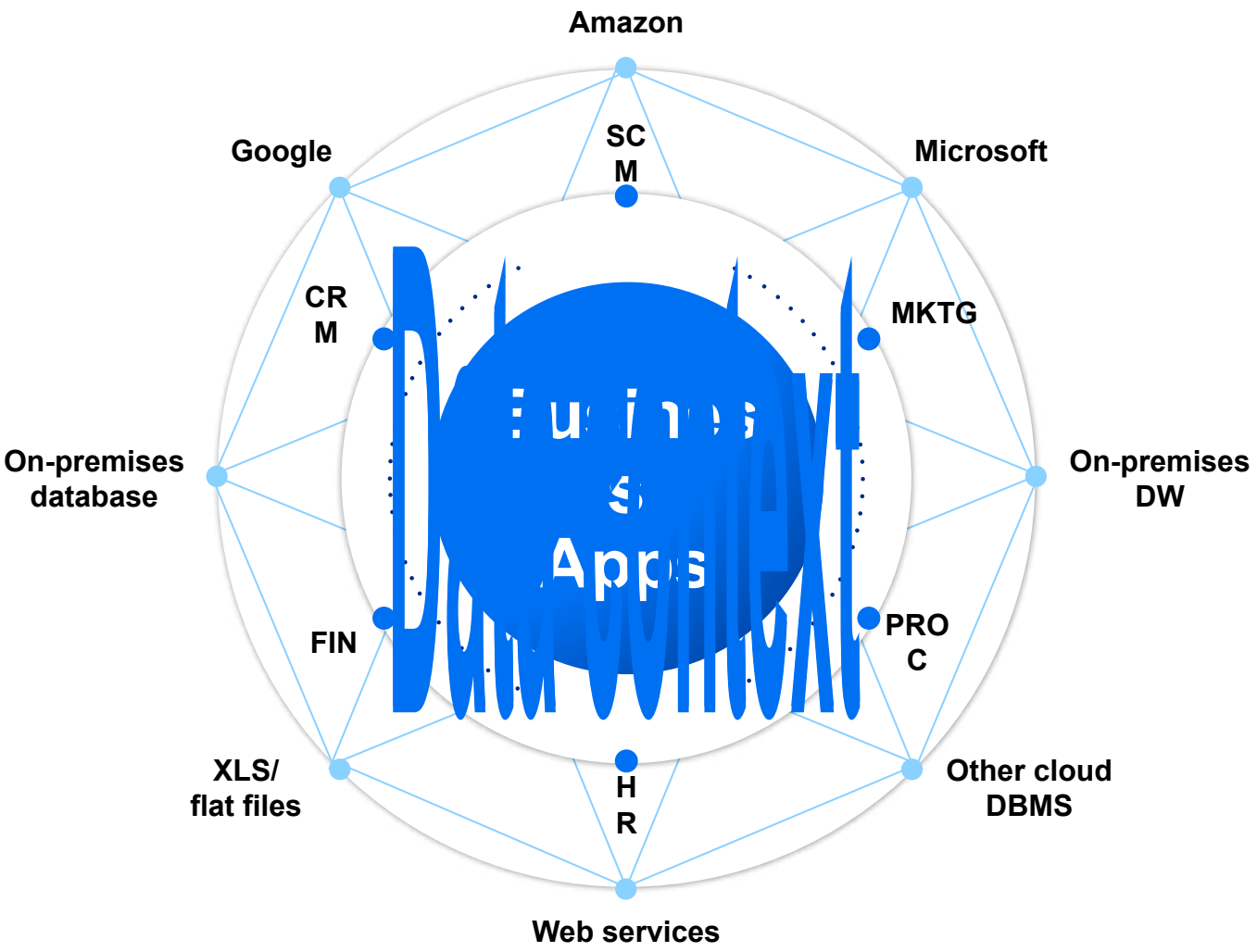
There’s been a fundamental error—focusing solely on technology rather than the data

(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)

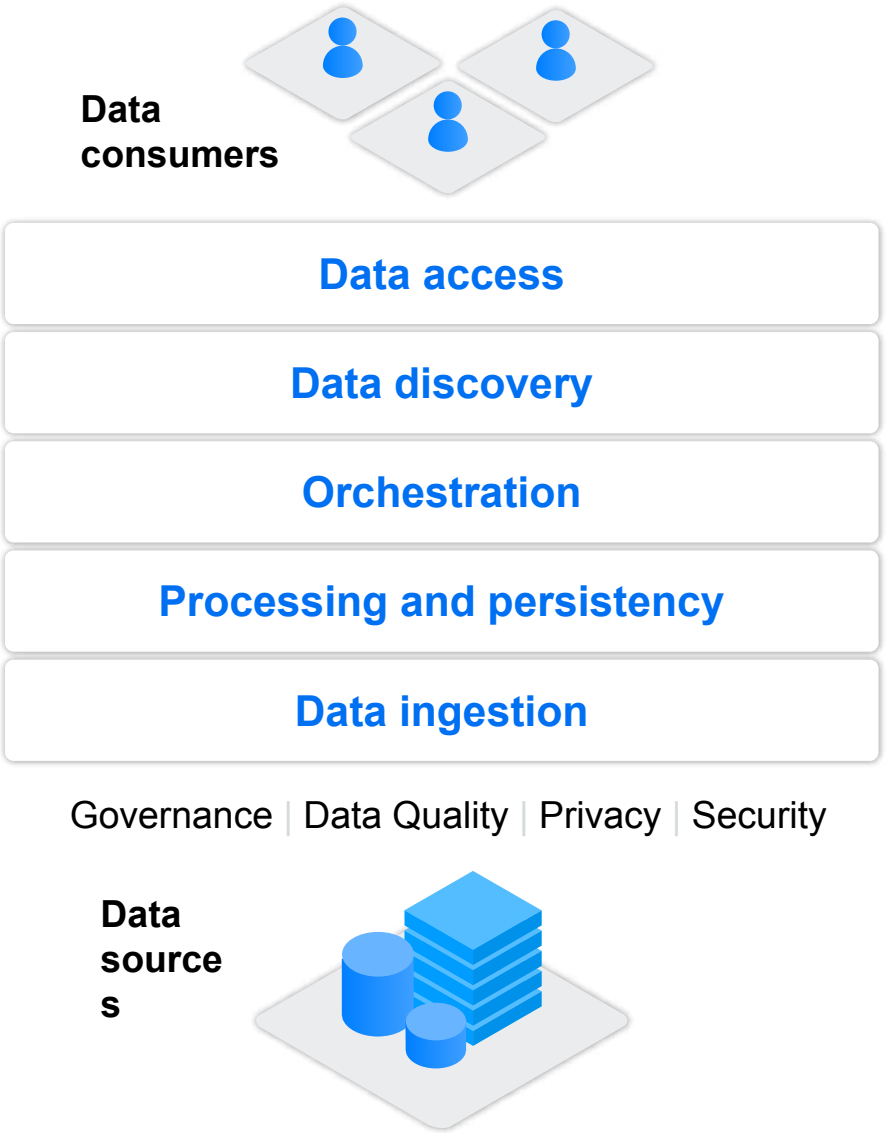
Simplification of the ever-growing data landscape

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

A business data fabric radically simplifies your data landscape



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, recommendations

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

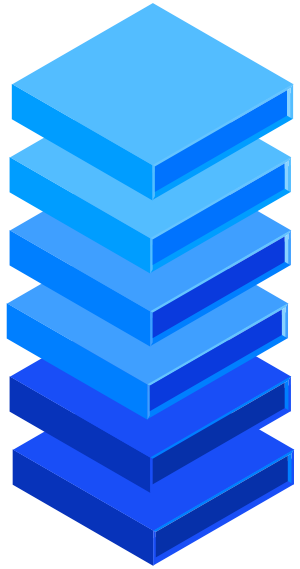
Data science

SAP Datasphere running SAP BTP

Security

Access control

Availability



Collibra

CONFLUENT

DataRobot

databricks

Google Cloud

SAP and non-SAP data

Applications

On-premises Data Warehouses

Cloud Data Warehouses and Lakehouses

Relational Databases

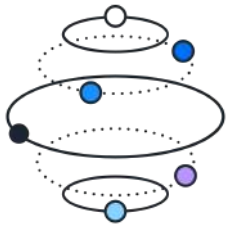
Unstructured/ Semi-structured Data

Why a business data fabric

- **Self-service access** to trusted data breeds agility and accelerated, accurate decisions
- **Comprehensive data governance** assures every stakeholder that private data stays private
- **Real-time data**, infused throughout your data architecture helps business users, partners, and employees make in-the-moment improvements
- **A simplified data landscape** reduces costs and technical debt while maximizing current investments

Public

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
- Discover hidden insights and patterns

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 using existing SAP models
- Enable self-service data access
- Leverage existing SAP BW models and transformations to innovate in the cloud

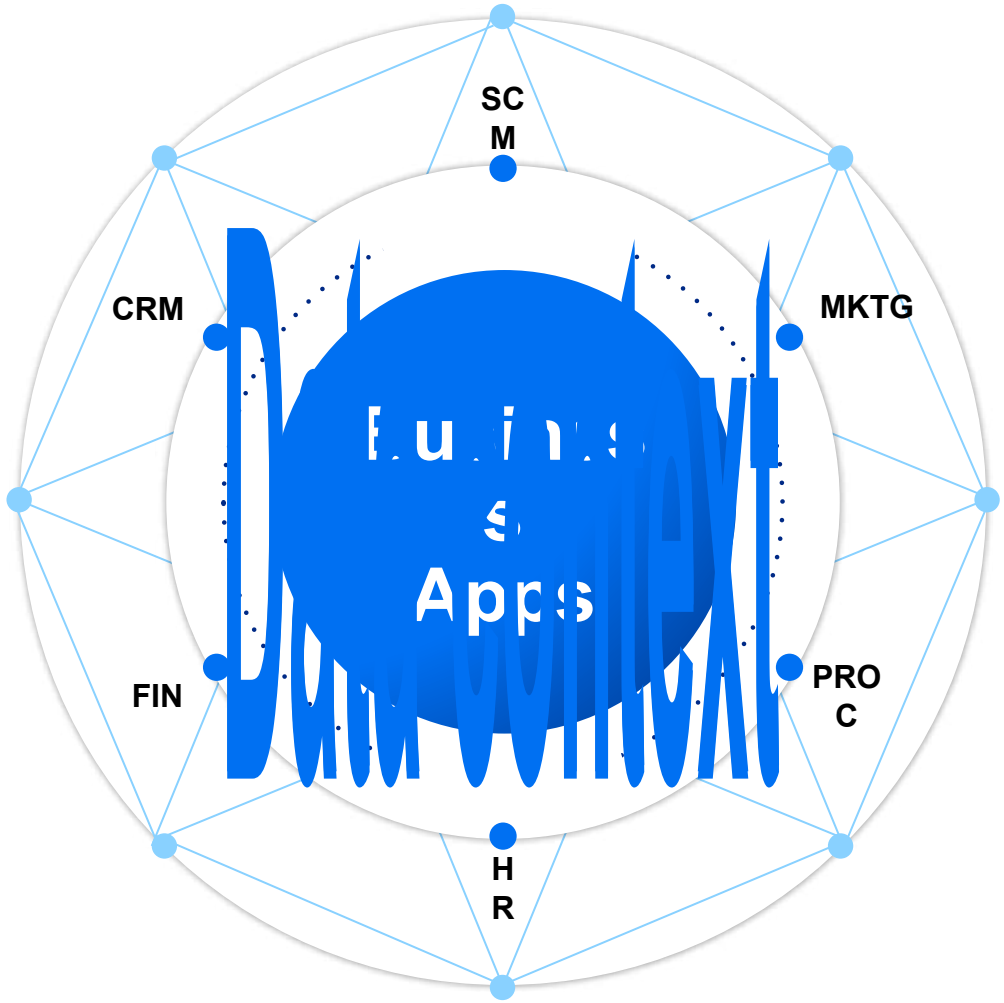
Access authoritative data

Deliver business data in its business context

Maintain a direct line to mission-critical business data and metadata

Keep business context intact

Utilize the organizational knowledge graph to demonstrate data authority



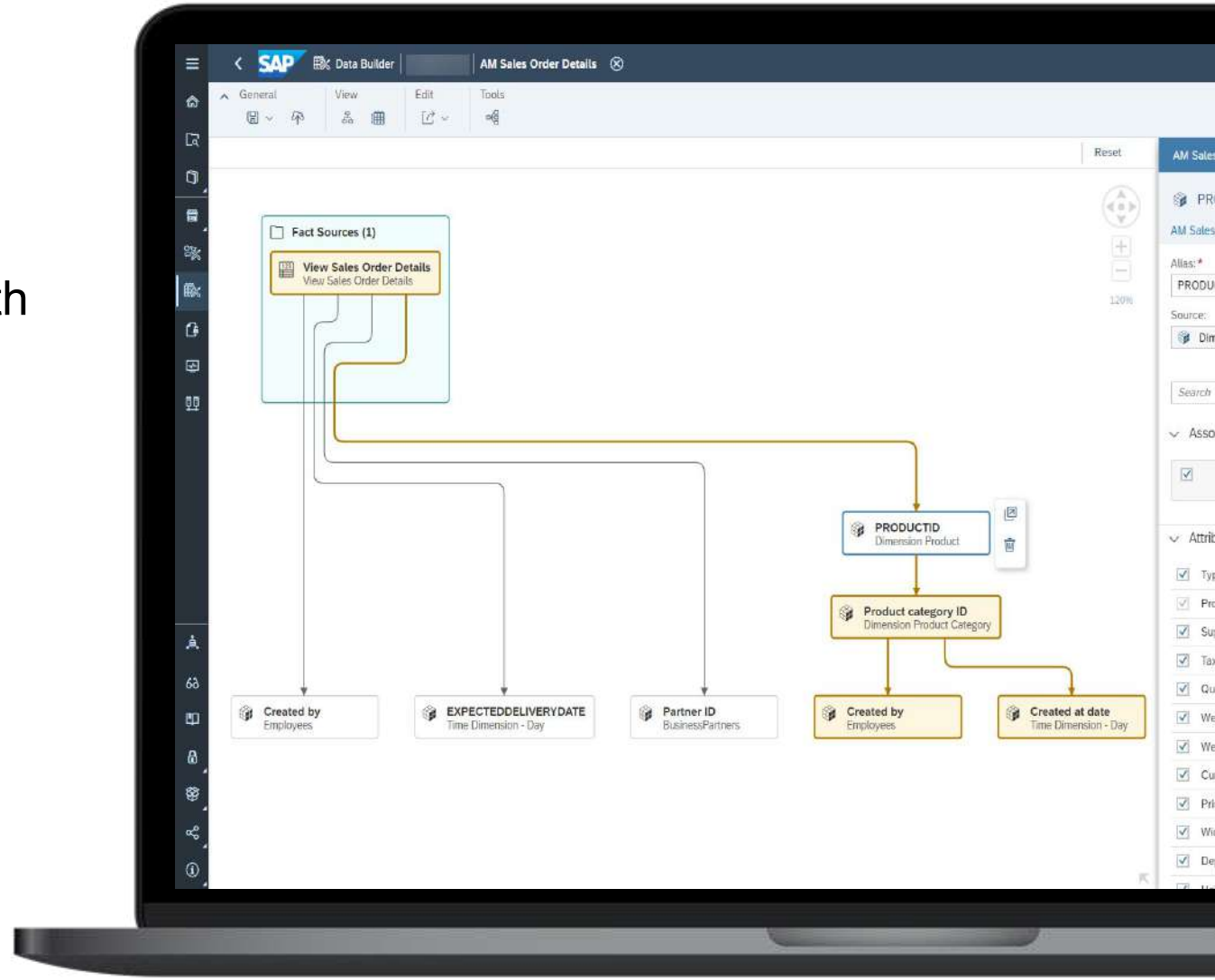
Access authoritative data

Make it effortless to model your business

Solve complex modeling requirements by reusing semantic definitions from SAP apps with the new SAP Datasphere Analytic Model

Leverage a new multi-dimensional modeling experience with rich analytical capabilities

Satisfy the needs of business and technical users



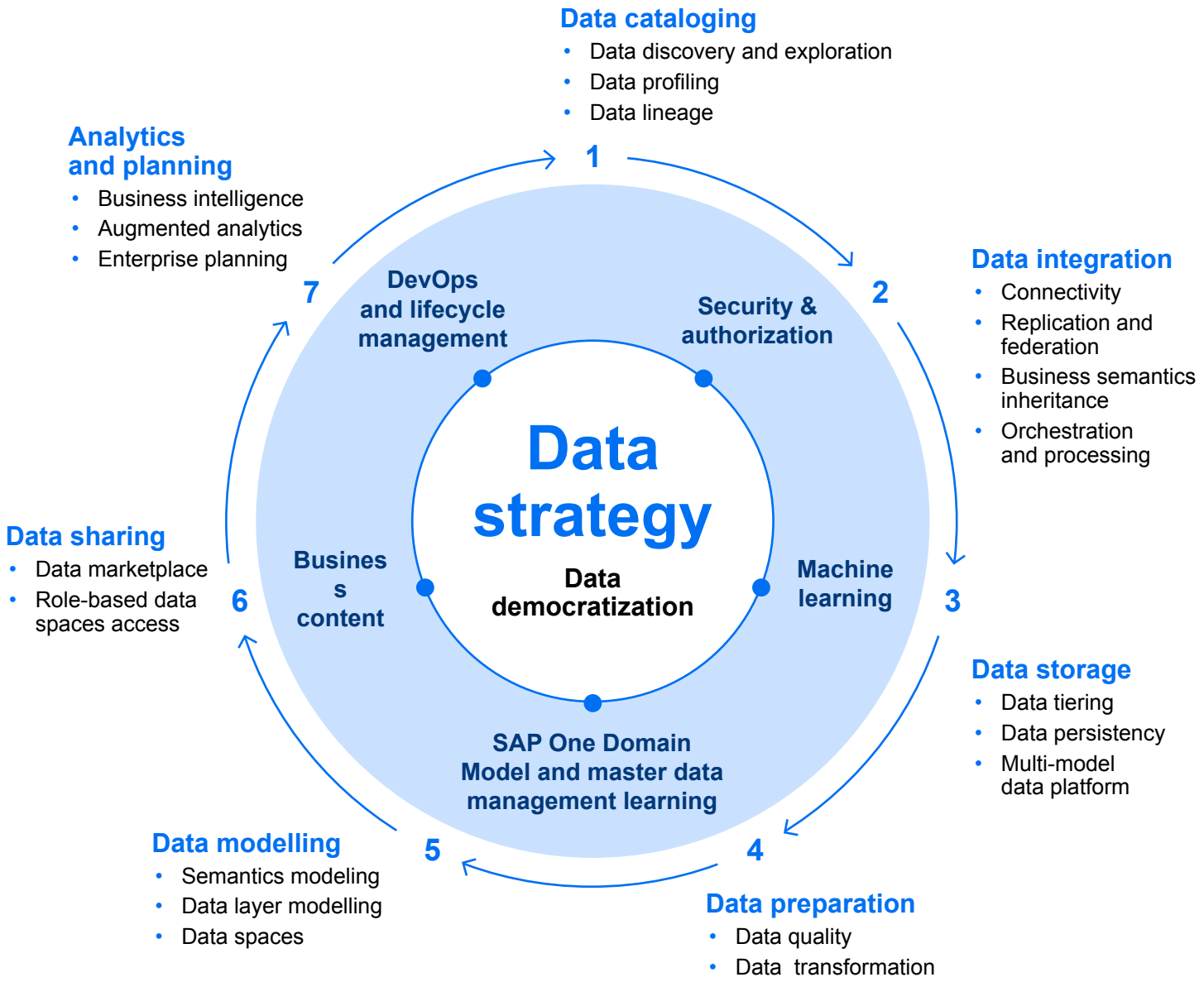
Access authoritative data

Ensure governance throughout the data lifecycle

Discover, manage, and govern all data using the SAP Datasphere catalog

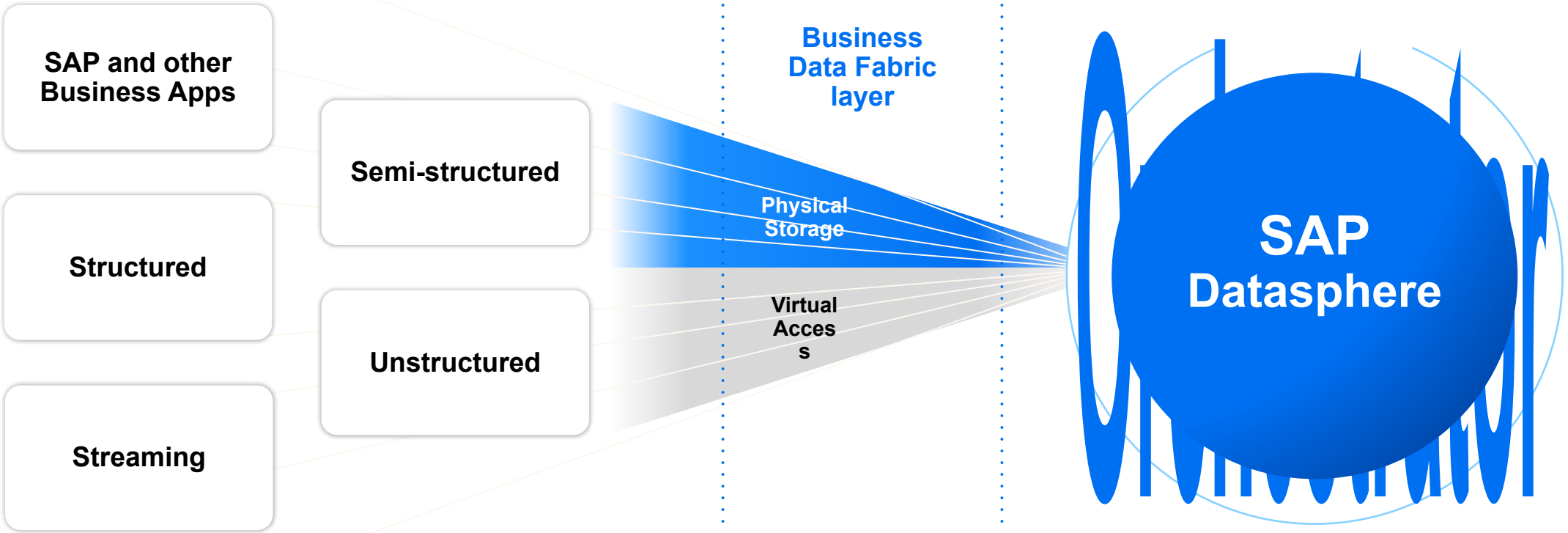
Manage data governance from a central point

Establish and share governance rules across systems



Enrich all data projects

Virtually access or physically store data from anywhere



Use data federation or data replication capabilities in SAP Datasphere to combine sources and harmonize heterogenous and real-time data.

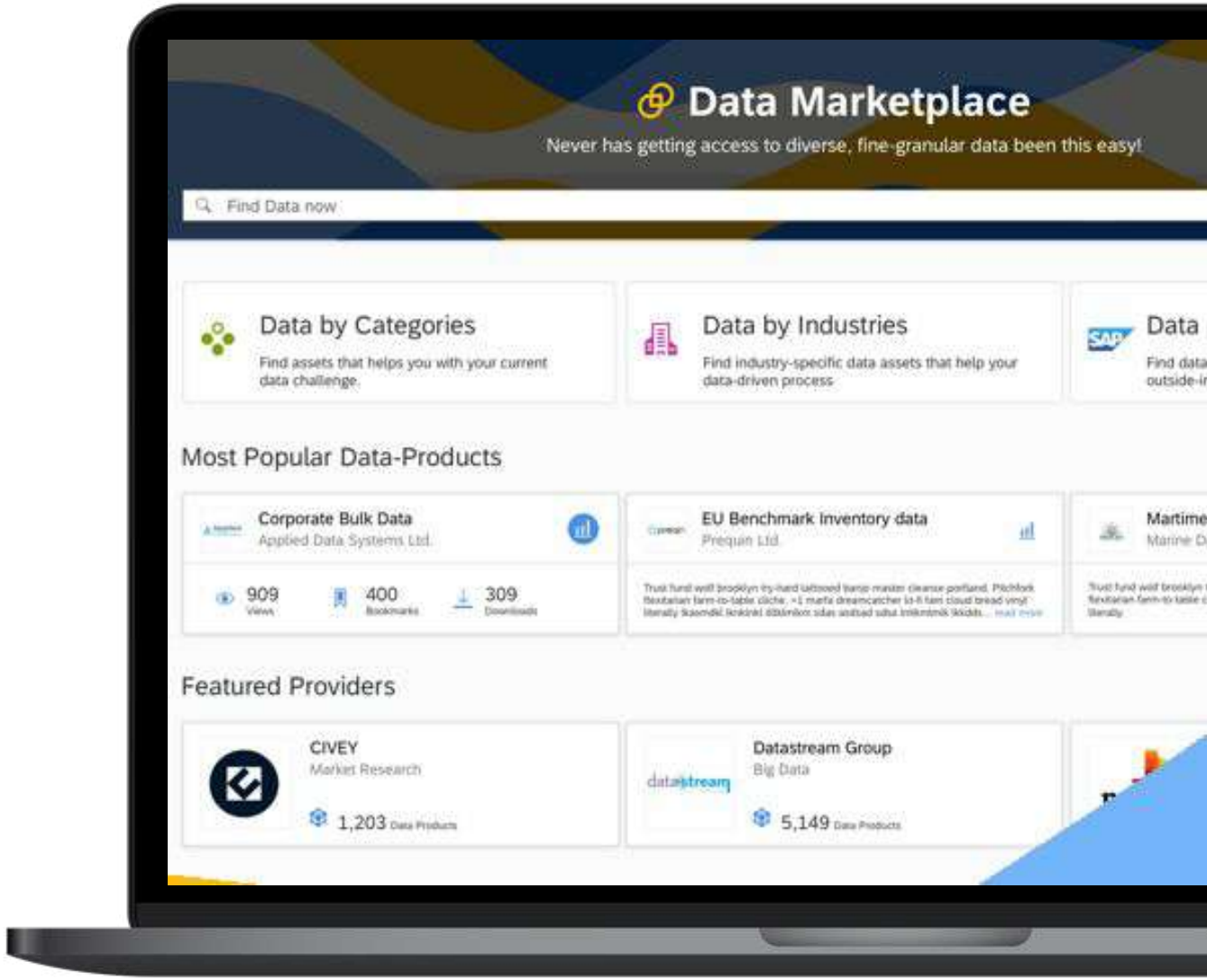
Enrich all data projects

Work with trusted data partners and share data securely

Enrich data projects with trusted industry data from thousands of providers with data marketplace for SAP Datasphere

Quickly access 3,000+ external data sets with data-as-a-service

Govern usage and impact in virtual workspaces



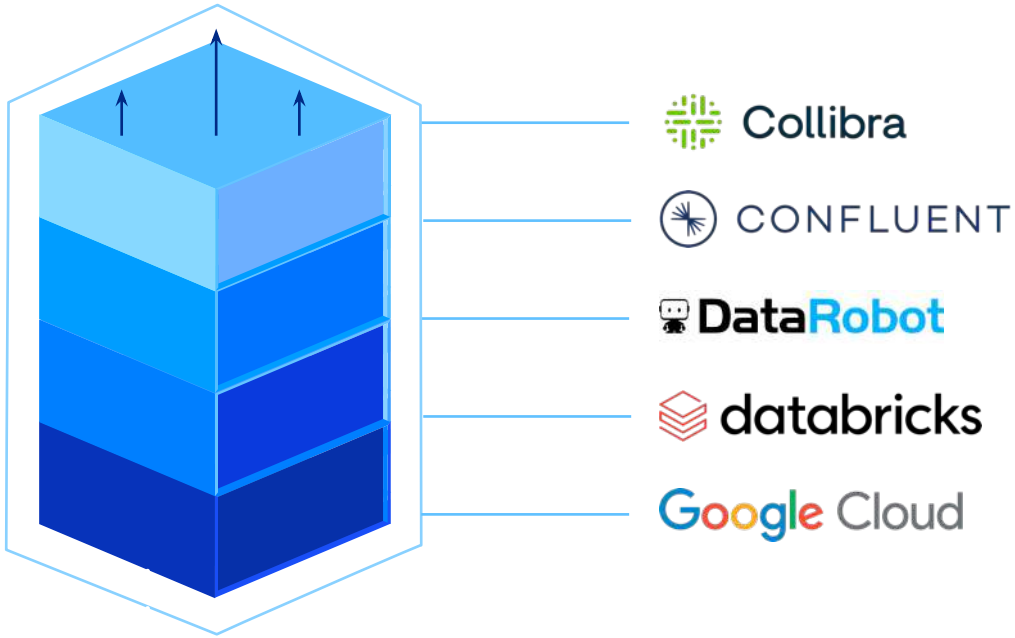
Enrich all data projects

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



SAP Datasphere

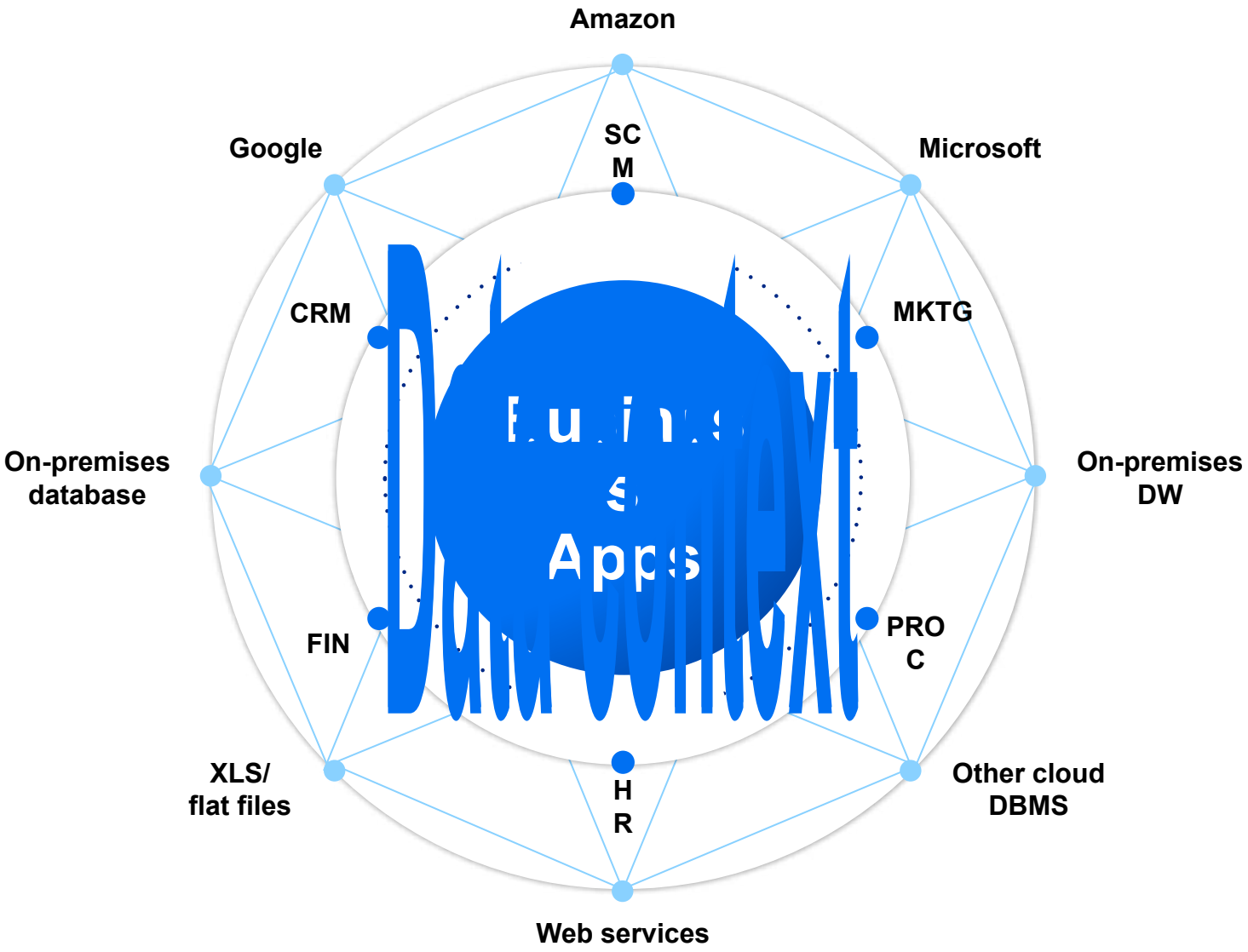
Simplify the data landscape

Innovate across hybrid architectures using existing SAP models

Access your data no matter where it resides with the ability to run in cloud cloud and hybrid environments

Centralize and reuse management logic for rapid development

Trace lineage and manage security across installations



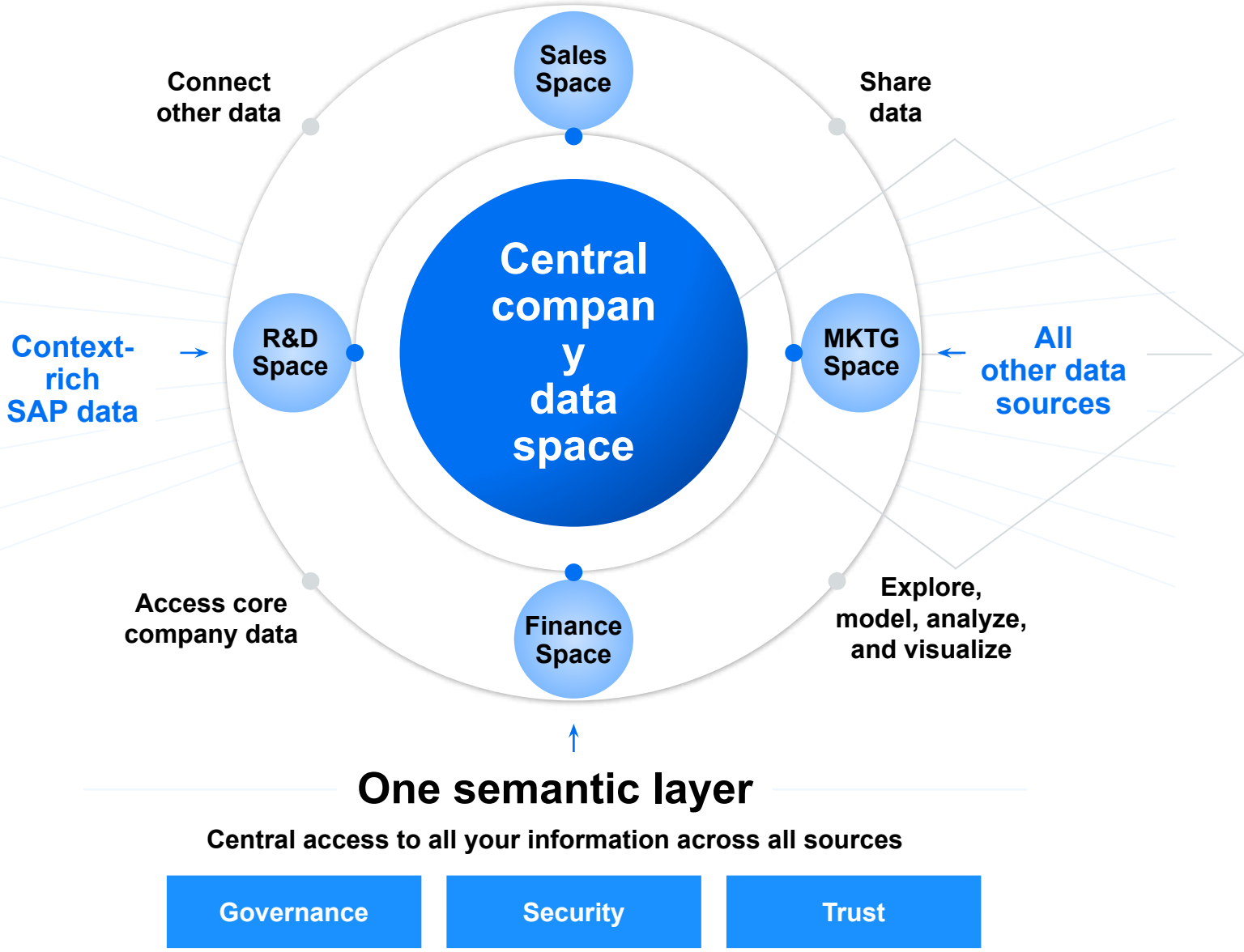
Simplify the data landscape

Enable self-service data access

Provide user-friendly access to data products that organize and manage data for different lines of business with SAP Datasphere Spaces

Implement powerful data preparation with complex transformations

Access data via SAP and non-SAP tools and open interfaces



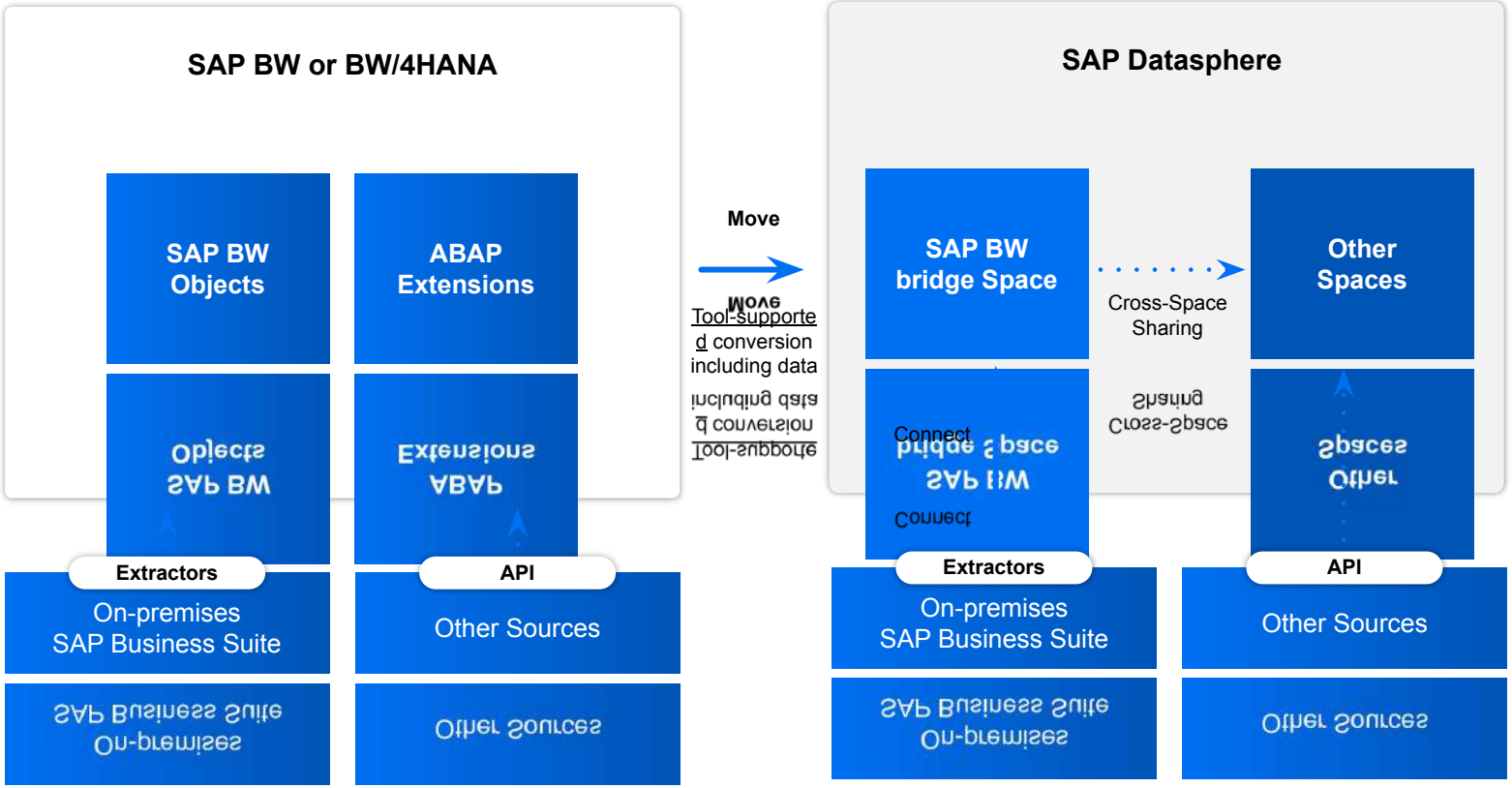
Simplify the data landscape

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

Safeguard investments

Move existing SAP BW artifacts with transfer tools

Transition to the cloud at your own pace



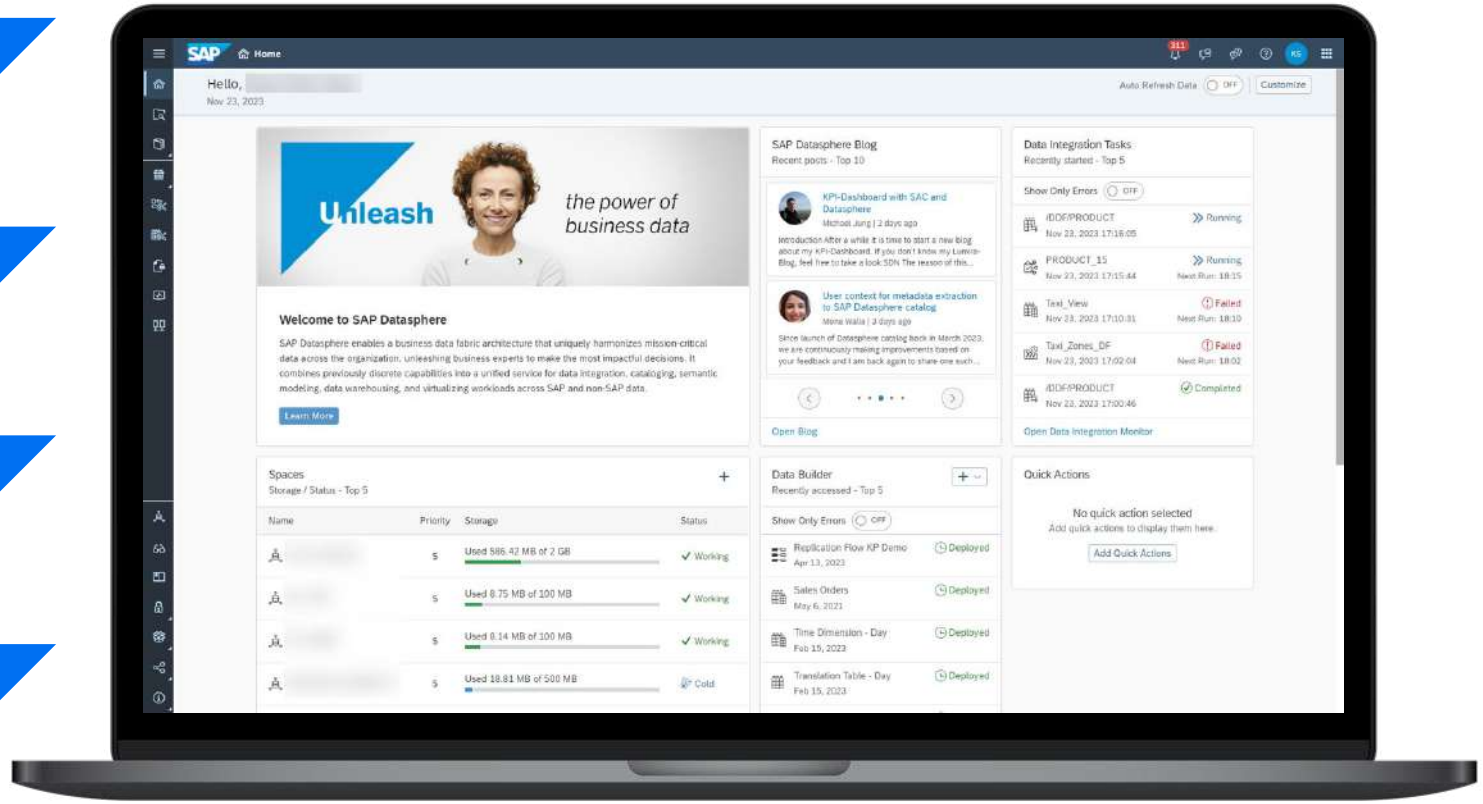
Start your data and analytics journey with SAP Datasphere

Take a tour with the
Guided Experience

Learn more on
SAP.com

Join the conversation in the
SAP Community

View the
Product Roadmap



Thank you.

Contact information:

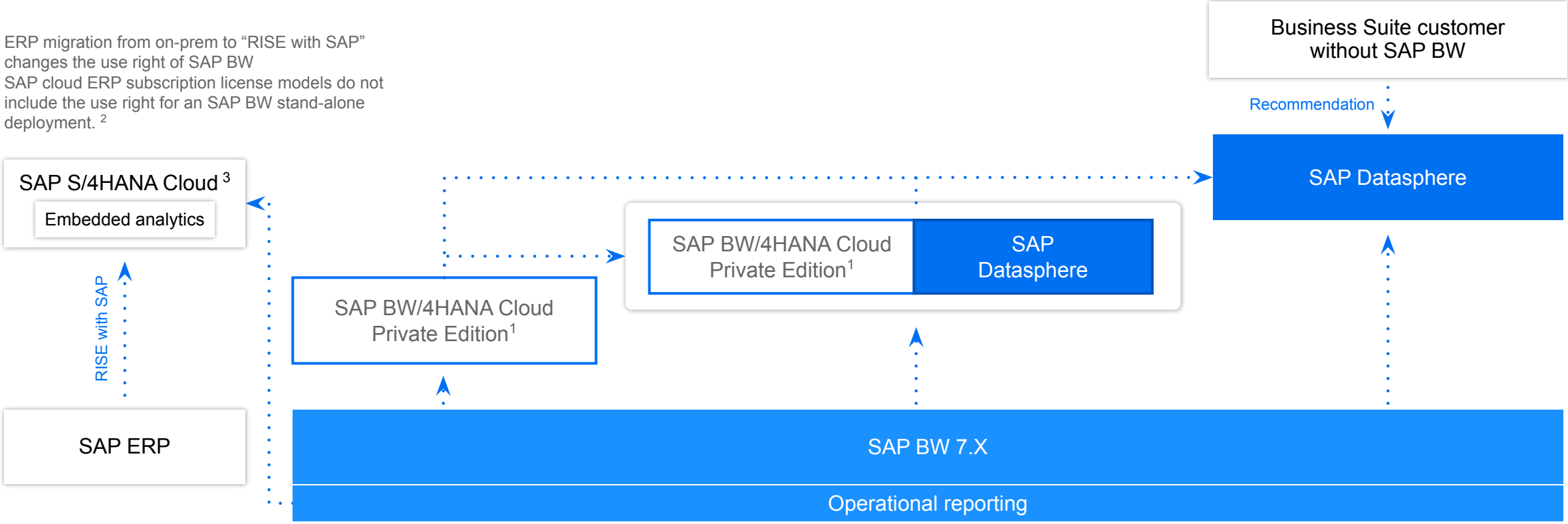
Name
Email

© 2024 SAP SE or an SAP affiliate company. All rights reserved. See Legal Notice on www.sap.com/legal-notice for use terms, disclaimers, disclosures, or restrictions related to this material.

Innovation Journeys for SAP BW Customers

Safeguard investments & transition to the cloud

ERP migration from on-prem to “RISE with SAP” changes the use right of SAP BW
SAP cloud ERP subscription license models do not include the use right for an SAP BW stand-alone deployment. [2]



RISE with SAP
Transform to cloud ERP for your every business need

SAP BW/4HANA Cloud
Safe-guard investments by lifting existing landscape to the cloud – “RISE with SAP”

SAP BW/4HANA & SAP Datasphere
Combine the strengths of SAP BW/4HANA with the innovation, openness, and self-service abilities of SAP Datasphere in a hybrid scenario. Leverage the SAP BW bridge to re-use and integrate SAP BW-based data ingestion and staging (incl. ABAP code to reduce SAP BW footprint over time.

SAP Datasphere
Direct adoption in green-field approach, leverage SAP BW bridge if required

[1] SAP BW/4HANA is fully supported until 2040 and can also be deployed on-premises; SAP BW NetWeaver 7.5 also available in private cloud
[2] SAP cloud ERP includes the embedded BW, which is not intended for data warehouse use cases
[3] including SAP S/4HANA Cloud, SAP S/4HANA Cloud, private edition, and on-prem deployments of SAP S/4HANA

Appendix

SAP Datasphere provides capabilities for a complete Business Data Fabric architecture

Analytics & Planning

Powerful end-to-end analytics & planning integration with SAP Analytics Cloud & Microsoft Office

Discovery, consumption, sharing & self-service

space, data product, marketplace

Governance

cataloging, metadata management, lineage, privacy, quality

Business semantics

semantic onboarding, entity import, business content

Modeling

relational & rich analytic models, lifecycle management, authorizations

Data integration & preparation

real-time replication & federation, transformation, scheduling, monitoring

SAP BW Move & Hybrid

Leverage investment and extend on-prem scenarios with SAP BW Bridge and hybrid landscapes