

A person in a grey long-sleeved shirt is sitting at a wooden table, writing on a document with a black marker. In the background, another person's hands are visible, gesturing during a discussion. The scene is dimly lit with a blue tint.

# MINDSET

Experience the Human-Centered Enterprise

March 2024

# SAP BTP Champions Days

## SAP Datasphere – Why and why now!

**MINDSET**

MINDSET

2



## | Our Mission

Navigating innovation with SAP, we employ a rare blend of expertise to forge **extraordinary outcomes** and **delightful experiences**.

# Our Human-Centered Innovation

- As an SAP AppHaus partner, Mindset is not only an expert in SAP S/4HANA & SAP BTP. We also bring a **human-centric approach** that customers and users love!
- We hit the ground running with recognized experience in **our Human Centered Apphaus Approach** and technical **SAP BTP Expertise**.



# Mindset's Proven SAP BTP Value Proposition

Our process to leveraging SAP BTP for S/4HANA creates a **sweet spot for innovation.**

**Human-Centered Innovation**  
From SAP's only US-based AppHaus partner

**Fully Scaled BTP Practice**  
A winning team with the right roles to make it happen



**Proven BTP Approach**  
Three-step process with a track record of business transformation

At the sweet spot, **faster adoption** and **increased consumption**

# Mindset's SAP BTP Focus Areas



## Extend

Extend your core using  
SAP BTP services



## Integrate

Integrate with 3rd party  
systems in real-time



## Analyze

Real-Time Analytics in your  
data visualization layer of choice

# Mindset's Proven SAP BTP Approach

Our three-step approach to leveraging SAP BTP for S/4HANA & more leads to **real business transformation.**

01



## Enable the platform & people

Introducing what BTP is & its benefits, setting up for long-term success

02



## Prove it works and scales

Turning technical areas/ use cases into solutions that delight business users

03



## Business transformation

Realizing the power of BTP, then taking it to the next level



# Our Fully Scaled BTP Practice

We have **integrated, dedicated resources** across a wide range of expertise to deliver tailored business value for SAP S/4HANA with BTP.

## Sales

16

People  
in region

## Presales

14

People  
in region

## Industry Principals

7

Experts

10

Industries

## Consulting Resources

225 + 75

Onshore

Offshore

## Customer Success/CEE

12

In USA





# | What analytics tools do you use today?



# Datasphere works with...

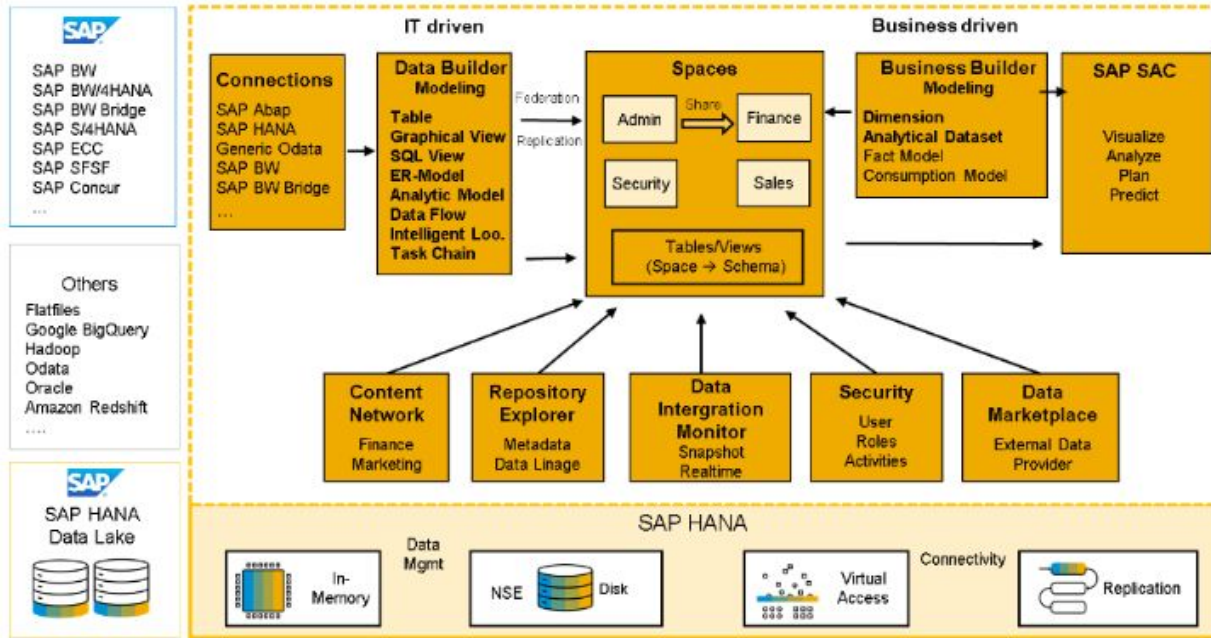
## ALL of them!

Datasphere enables real-time data analytics for your visualization layer of choice!

The screenshot displays the SAP Datasphere user interface. On the left is a dark navigation sidebar with icons for Home, Repository Explorer, Catalog, Apps, Data Marketplace, Semantic Onboarding, Business Builder, Data Builder, Data Access Controls, Data Integration Monitor, and Connections. The main content area is titled 'Hello, Jonathan Bragg' and 'Mar 4, 2024'. It features a central banner with a woman's face and the text 'Unleash the power of business data'. Below the banner is a 'Welcome to SAP Datasphere' section with a 'Learn More' button. To the right of the welcome message are two blog posts from the 'SAP Datasphere Blog'. Below the welcome message is a 'Spaces' table showing storage status for various spaces. To the right of the spaces table are 'Data Integration Tasks', 'Data Builder' (recently accessed), and 'Business Builder' (recently accessed) sections. A 'Quick Actions' section is also visible on the far right.

Name	Priority	Storage	Status
JONTEST	5	Used 27.48 MB of 2 GB	Cold
ETHAN_TEST_SPACE	5	Used 22.44 MB of 2 GB	Cold
SAP_CONTENT	5	Used 6.62 MB of 2 GB	Cold
TANK_FARM	5	Used 778.24 KB of 2 GB	Cold
SAP_TEST_DATA	5	Used 540.67 KB of 2 GB	Cold

# SAP Datasphere Architecture



# SAP BW Bridge & Datasphere


















## SAP BW

- BEx Analyzer, BEx Web Templates, BEx Tools
- BW Query (BEx Query Designer)
- Classic Object Types (InfoCube, DSO, MultiProvider, InfoSet, ...)
- Object Type InfoObject
- Loading Object Types (Transformation, DTP, Process Chain)
- SAPGUI Modeling & Workbench
- Source System ERP Extractors (S-API), BW
- Source System types UD/DB Connect, Data Services, Partner ETL
- Source Systems types HANA, File
- PSA / InfoPackages
- BI Content Packages
- Near-line Storage Partner Solutions, Near-line Storage SAP, DTO



## SAP Datasphere, SAP BW Bridge

-  SAP Analytics Cloud
-  Model Transfer
-  DataStore Object (adv.) & CompositeProvider
-  InfoObject
-  Transformation, DTP, BW Bridge Process Chain
-  Eclipse based BW Modelling Tools & BW Bridge Cockpit (UI5)
-  Consolidation to ODP
-  Consolidation to SAP Datasphere
-  Consolidation to SAP Datasphere
-  Operational Delta Queue, field-based DataStore Object (adv.)
-  SAP BW bridge Content
-  New Cold Store planned

-  Tool-Based
-  Manual
-  Semi-Automated

# Why Datasphere? The Questions

- How many customers here use SAP as their primary core ERP? (Everyone)
- What other types of environments are people using outside of SAP?
- How many CDS views are extraction enabled and available for datasphere out of the box?
- What open source catalogs of data are you using today? How can you use them together?



# Why Datasphere - From SAP

## SAP Datasphere enables a business data fabric

SAP Datasphere - and its open data ecosystem - is the foundation for a business data fabric. It equips any organization to deliver meaningful data to every data consumer — with business context and logic intact.

### Simplify the ever-growing data landscape

Integrate your data and AI platforms to deliver data in business terms from multiple systems and locations.

### Implement self-service data access to trusted business data

Provide governed, self-service access to data products that are described with business-friendly terms.

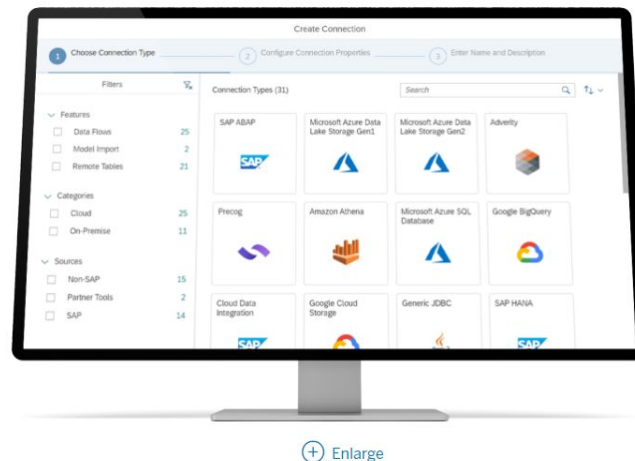
### Facilitate real-time data access to support your business

Support operational applications with insights and analytics across hybrid and multi-cloud.

### Accelerate trusted decisions

Deliver centralized governance, privacy, and compliance (data, financial, privacy, compliance) for every data professional, across all data sources.

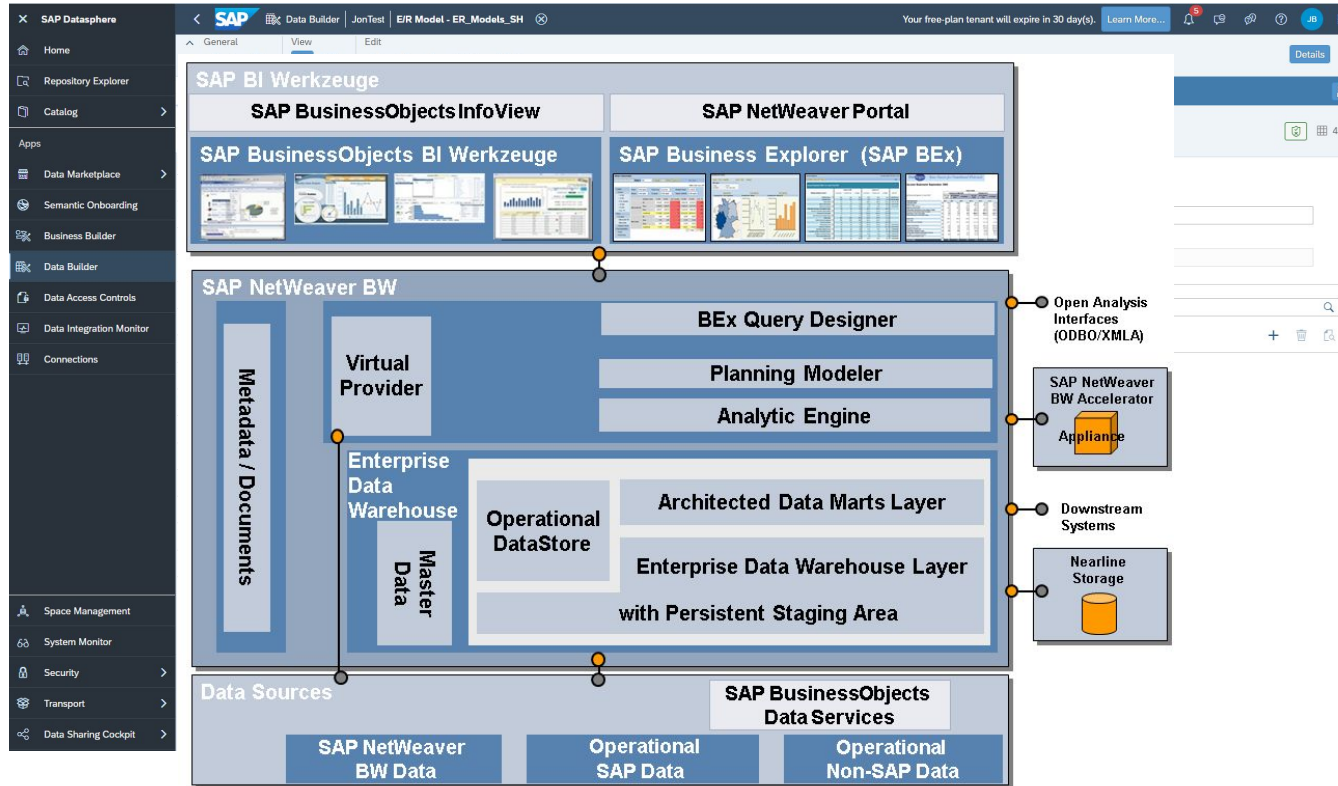
[Read the solution brief](#)





# Why Datasphere? Speed to Value!

## Modeling



# Why Datasphere? Connectivity

The screenshot shows the SAP Datasphere interface with a 'Create Connection' dialog box open. The dialog has three steps: 1. Choose Connection Type, 2. Configure Connection Properties, and 3. Enter Name and Description. The 'Choose Connection Type' step is active, showing a list of 32 connection types. The list is organized into three sections: Features, Categories, and Sources. The 'Features' section includes Data Flows (26), Model Import (3), Remote Tables (21), and Replication Flows (11). The 'Categories' section includes Cloud (26) and On-Premise (11). The 'Sources' section includes Non-SAP (16), Partner Tools (2), and SAP (14). The connection types are displayed in a grid with icons and names: SAP ABAP, Microsoft Azure Data Lake Storage Gen1 (deprecated), Microsoft Azure Data Lake Storage Gen2, Adverity, Precog, Amazon Athena, Microsoft Azure SQL Database, Google BigQuery, Cloud Data Integration, Google Cloud Storage, Generic JDBC, and SAP HANA. A 'Cancel' button is visible at the bottom right of the dialog.

Business Name	Type	Owner	Creation Date	Real-Time Replication Status
Mindset S4H2022	SAP S/4HANA On-Premise	JBRAGG	Jan 15, 2024 9:28:25	Not Applicable

**Connection Types (32)**

- SAP ABAP
- Microsoft Azure Data Lake Storage Gen1 (deprecated)
- Microsoft Azure Data Lake Storage Gen2
- Adverity
- Precog
- Amazon Athena
- Microsoft Azure SQL Database
- Google BigQuery
- Cloud Data Integration
- Google Cloud Storage
- Generic JDBC
- SAP HANA

# Why Datasphere? Open Data Catalog

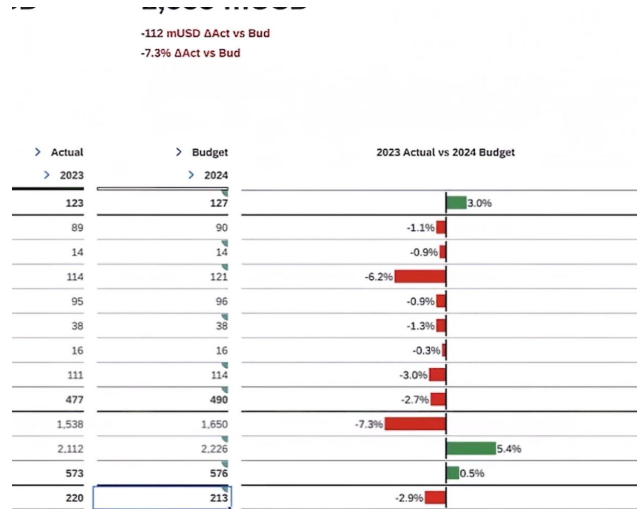
The screenshot displays the SAP Datasphere Open Data Catalog interface. The top navigation bar includes 'Home', 'Repository Explorer', 'Catalog', and 'Apps'. The 'Catalog' section is active, showing a search bar and filters for 'All', 'Assets', 'Terms', 'KPIs', 'Data Products', 'Favorites', and 'Recent'. The main content area displays a grid of 15 data products, each with a title, description, and a star icon for favoriting. The products include:

- Supermarket Sales**: Data Product | Anubhav Trainings (Global). Introducing a game-changing approach to access valuable insights with our data product: "SuperSales Insights." We're excited to offer this...
- Store Sales**: Data Product | Anubhav Trainings. Sales Store.
- Cities Open SAP**: Data Product | Open SAP GS. Open SAP.
- HR Demo Data**: Data Product | Hanalytic Limited. Master Data, Transactional Data.
- Finance Sample Data for SAP D...**: Data Product | SAP Sample Data. The sample data of the LoB Finance includes financial transactions on a daily basis of the sample company BestRun Bikes. The...
- Date Master for Intelligent Lookup**: Data Product | Data Crafting Assets by SAP. All dates from 1900 to 2050 to enrich your time series analytics, e.g., to derive proper SQL-ready date types out of string fields...
- 41.000 World Cities Basic Mast...**: Data Product | Data Crafting Assets by SAP. With this data product, we provide you geospatial information as well as population size KPI for 41.000 cities globally. The data asset can be...
- Sales Sample Data for SAP Dat...**: Data Product | SAP Sample Data. The sample data of the LoB Sales includes sales orders and sales orders items data of the sample company BestRun Bikes. The data of the LoB...
- Beverages - Commodity Prices ...**: Data Product | OPEN DATA connected by ... This data product is based on the Commodity Prices Pink Sheet from the World Bank focussed on the beverage section...
- Commodity Prices - 1960 until t...**: Data Product | OPEN DATA connected by ... This Data Product represents the World Bank Commodity Markets Prices Pink Sheet on a Monthly Level that can be found on the World...
- Sugar cane production, 2018**: Data Product | Our World in Data connect... Variable Description: Crop statistics are recorded for 173 products, covering the following categories: Crops Primar...
- Maize production, 2018**: Data Product | Our World in Data connect... Variable Description: Crop statistics are recorded for 173 products, covering the following categories: Crops Primar...
- Strategic Risk Management - To...**: Data Product | Ubermetrics GmbH. (Data is provided by Ubermetrics x Glance) Detecting supplier risk became crucial for business as it can prevent potential disruptions...
- Human Resources Sample Data...**: Data Product | SAP Sample Data. The sample data of the LoB Human Resources includes headcount relevant data of the sample company BestRun Bikes...
- COVID-19 data - United Kingdom**: Data Product | OPEN DATA connected by ... This is the latest Covid data for United Kingdom. There are more than 65 key figures part of it. The information is given for countries and...
- COVID-19 data - Italy**: Data Product | OPEN DATA connected by ... This is the latest Covid data for Italy. There are more than 65 key figures part of it. The information is given for countries and...
- Main Economic Indicators: Cons...**: Data Product | OECD connected by SAP ... This dataset contains statistics on Consumer Price Indices (CPIs) including national CPIs on all items: food, energy, services and housing h...
- SAP Sustainability Control Towe...**: Data Product | SAP Sample Data. SAP Sustainability Control Tower. Unlock the power of data to record, report and act on your sustainability goals... at scale.
- materialsales**: Data Product | MYMATERIALS. material sales info.
- Raw Materials - Commodity Pri...**: Data Product | OPEN DATA connected by ... This data product is based on the Commodity Prices Pink Sheet from the World Bank focussed on the raw materials section.



# Data Unleashed - SAC Compass

- No more SAP BW/BPC loading of data models, simulation data, and waiting hours upon hours to get to the next iteration results. SAC Compass allows you to do this in real-time
- This tool also includes the ability to utilize Joule to ask questions about forecasting models and outputs of the simulations. Without this, it can take hours to dig in and see why a forecast output



Standard IBCS

Company Template

Create Story

Create Story

Done! You can make adjustments as necessary.

**Financial Story**

Check it Out

summarize comments

Lower income is due to higher costs for Budget 2024. Comments show that increased costs are mainly based on high-inflation expectations. In addition, increased travel is another significant cost driver.

# Data Unleashed - Joule

- Everyone's favorite SAP AI assistant will now be available in both Datasphere and SAC.
- Coupled with the Just Ask functionality in SAC
- Joule will be an interesting option when creating models for your business. The ability to ask what contexts, what data objects, and what things are relevant will be something I'd love to try!

The image shows two overlapping screenshots. The background screenshot is the SAP Data Builder interface, displaying a data model with a central 'Fact Sources (1)' box containing 'SAP Marketing Consolidated View' and four data objects below it: 'GL Account', 'Sales Organisation', 'Customer', and 'Product'. The foreground screenshot is the Joule AI assistant interface, showing a query: 'What type of promotional campaign works best for bikes?'. The assistant's response includes a table of promotional campaigns and a list of the highest performing regions for social media campaigns.

Campaign Type	Target	Conversion Rate
Social Media	Mountain Bike	5.0%
Social Media	Road Bike - High End	4.2%
AdWords	Children's Bike	4.0%
Social Media	Road Bike - Basic	3.9%
Email	Road Bike - High End	3.5%

Source: Harmonized Promotional Campaign

What were the highest performing regions for social media campaigns?

The highest performing regions for social media campaigns were:

1. San Francisco
2. Portland
3. Boston
4. Denver
5. Seattle



# | Datasphere - Why NOW!?

- GCP offer of free licensing if using it as a hyperscaler
- Do you extract data out of SAP today to be used in other environments? Snowflake, BigQuery, Synapse, etc...
- SAP BW reporting roadmap? Where are you in your journey and why starting now makes sense
- Open data sources, moving to cloud for data workloads
-

# Why Datasphere? Business Context & Data Governance

- **Preserve Business Context:** Typical data projects spend 80% of the time re-creating context lost during data replication. Datasphere allows critical metadata, hierarchies, and understanding to remain intact
- **Federated Data Access & Integration Flexibility:** Datasphere enables federated data access allowing seamless combination of data across the SAP ecosystem without duplication
- **Reduced Effort on Security Configuration:** Datasphere reduces effort required on managing security settings while still enduring data protection
- **Linking Data & Metadata from SAP and Other Applications:** Datasphere provides a holistic approach to simplify data management and governance across multi-system environments

# Customer Success Stories & Use Cases



## **Greenfield with SAP Legacy Sources**

Customers building a new data warehouse in the cloud with SAP Legacy systems as data sources that will only be migrated to a cloud-based system in the future. Expecting the same level of data integration, and convenience functions experienced with SAP BW/4HANA.



## **Conversion with SAP BW NetWeaver & SAP BW/4HANA 2021**

Customers with an SAP BW (SAP BW 7.3 and upwards, any DB) moving their data warehouse to the cloud expecting to retain their data, and their legacy data flows, but renovating their data consumption layer with SAP Analytics Cloud or 3rd party clients on top, and expanding their data footprint to cloud, and non-SAP sources.



Mass Group

## **Hybrid with SAP BW/4HANA**

Customer with an on-premise SAP BW/4HANA looking for a path into the cloud for their data warehouse workload. Starting with hybrid scenarios for consumption to combine SAP BW/4HANA data, and SAP Datasphere data, and then easily moving more and more of the SAP BW/4HANA data flows to the cloud, and successively transition them to modern SAP Datasphere data ingestion approaches.

# Why Datasphere?

Certainly! **SAP Datasphere** offers several compelling reasons for businesses to choose it as the foundation for their data fabric architecture:

- 1. Preserving Business Context:**
  - In typical data-related projects, up to **80%** of the time is spent recreating context lost during data replication.
  - SAP Datasphere addresses this by preserving the business context of SAP data, ensuring that critical metadata, hierarchies, and understanding remain intact.
  - [Leveraging over 6,000 Core Data Services \(CDS\) views available in SAP S/4HANA, it provides semantic, meaningful, and stable virtual data models for later integration, modeling, and analytics<sup>1</sup>.](#)
- 2. Federated Data Access & Integration Flexibility:**
  - Instead of replicating data, SAP Datasphere enables **federated data access**.
  - It allows seamless working and combining of data across the SAP ecosystem without unnecessary duplication.
  - [This flexibility simplifies complex data landscapes and ensures efficient data integration<sup>1</sup>.](#)
- 3. Reduced Effort on Security Configuration:**
  - When integrating data across systems, security configuration can be time-consuming and error-prone.
  - [SAP Datasphere streamlines this process, reducing the effort required to manage security settings and ensuring data protection<sup>1</sup>.](#)
- 4. Linking Data and Metadata from SAP and Other Applications:**
  - SAP Datasphere acts as a bridge, linking data and metadata from SAP systems and other applications.
  - It provides a unified service for data integration, cataloging, semantic modeling, and data warehousing.
  - [This holistic approach simplifies data management and governance across heterogeneous environments<sup>2</sup>.](#)
- 5. Business Data Fabric with Open Data Ecosystem:**
  - Beyond traditional data fabrics, SAP Datasphere maintains the data's DNA by preserving business logic and application context.
  - It eliminates the need to recreate lost business context during data extraction.
  - [As a result, stakeholders can make informed decisions with confidence, knowing they have a complete picture of their data regardless of its storage location or design<sup>1</sup>.](#)

In summary, SAP Datasphere offers efficient data management, enhanced security, improved analytics, and cost savings. [It empowers organizations to navigate today's data-driven world with agility and trust<sup>3</sup>](#). 