

The background of the slide features a person in profile, wearing a dark jacket, using a laptop. The scene is dimly lit with a strong blue color cast. Overlaid on this is a large, semi-transparent circular graphic with a dashed white border. The main title and subtitle are centered within this circle.

# SAP Data Warehouse Cloud

## Unleash Your Data-Driven Business

Amogh Kulkarni, SAP  
June, 2021

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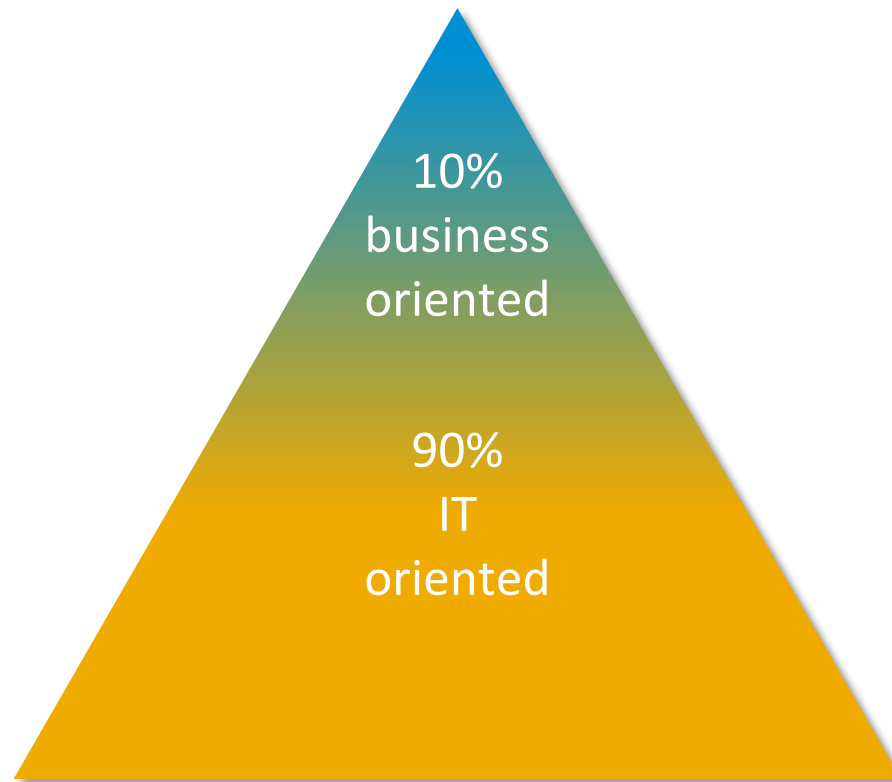
All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

# Introduction.

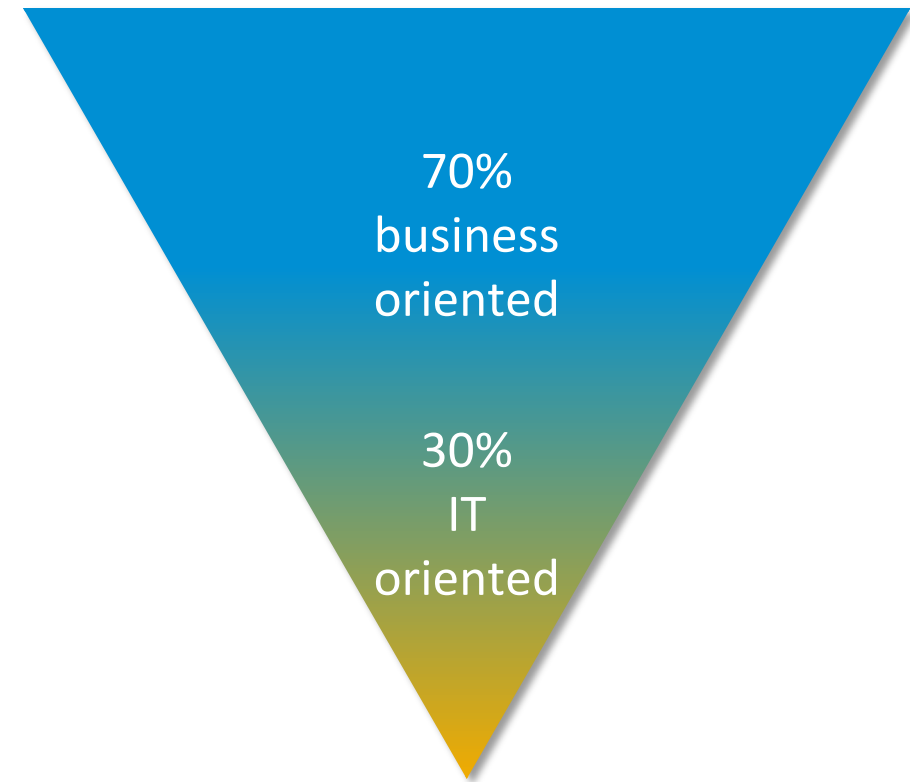


# The Market Focus. **Unleash your data-driven business**

Classical DWH solutions



New SAP Cloud direction





# Challenges Today for Self-service Data Modelling

1

Most data warehouse solutions are IT driven

2

Difficulty accessing, connecting & combining different data sets

3

Most BI tools lack data modeling capabilities

4

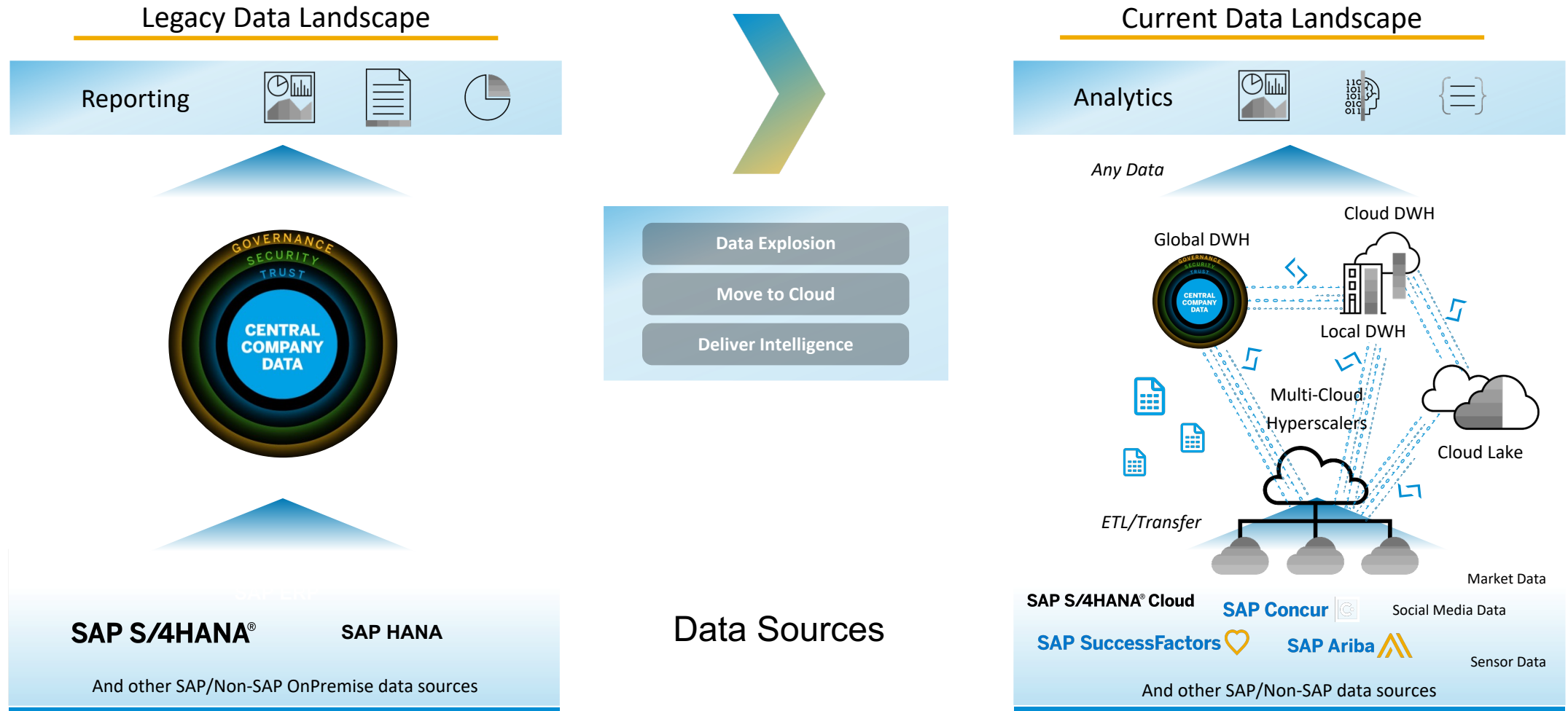
No single point of truth for KPIs and dimensions (objects)

5

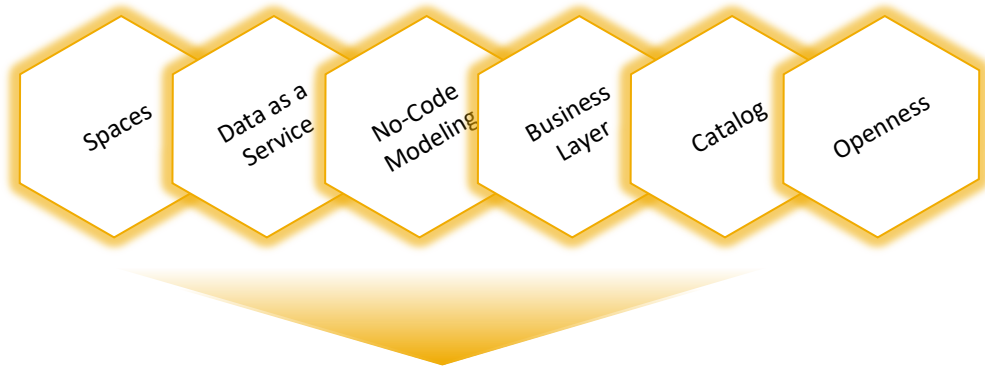
Hard to share data, data models and objects

# Data management trends and challenges

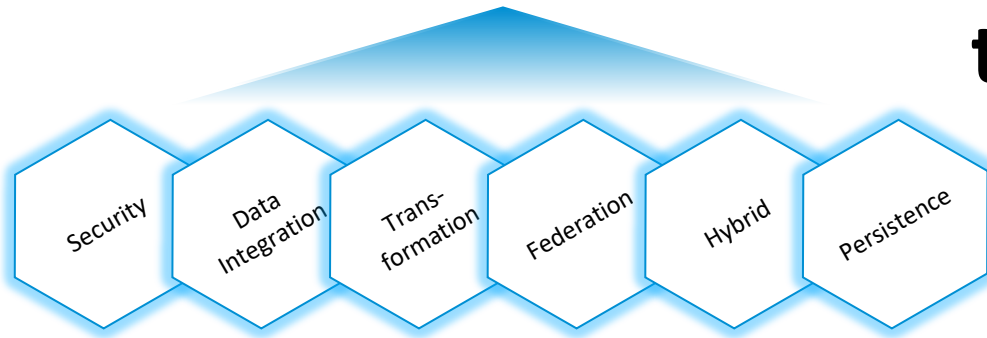
By 2022, 75% of all databases will be deployed or migrated to a cloud platform<sup>1</sup>



## How **SAP Data Warehouse Cloud** can help



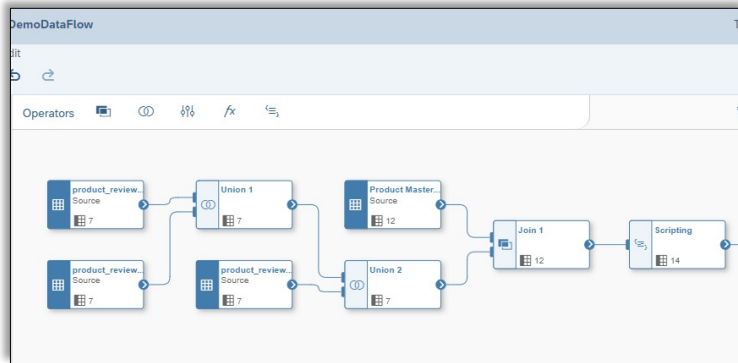
**SAP Data Warehouse Cloud** goes beyond classical Data **Warehousing** and brings IT and Business together



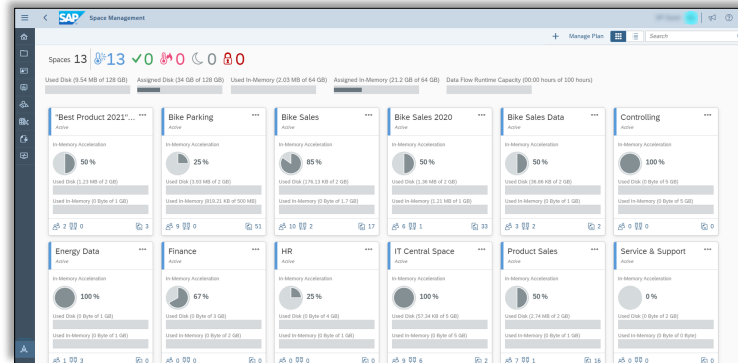
# SAP Data Warehouse Cloud. **Unleash your data-driven business**

The unified data and analytics service providing a complete end-to-end solution with one semantic view designed for business and IT

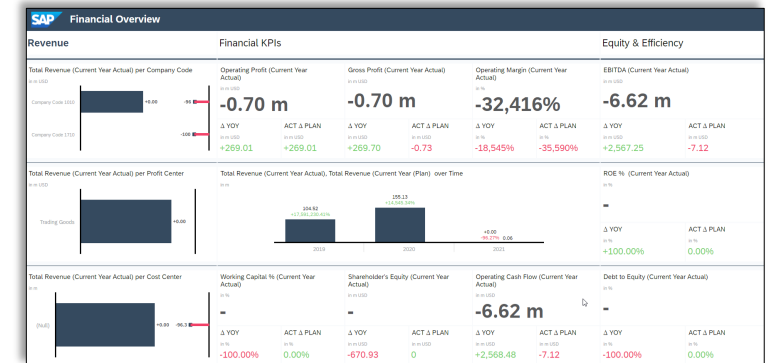
**Connect**  
data with business context



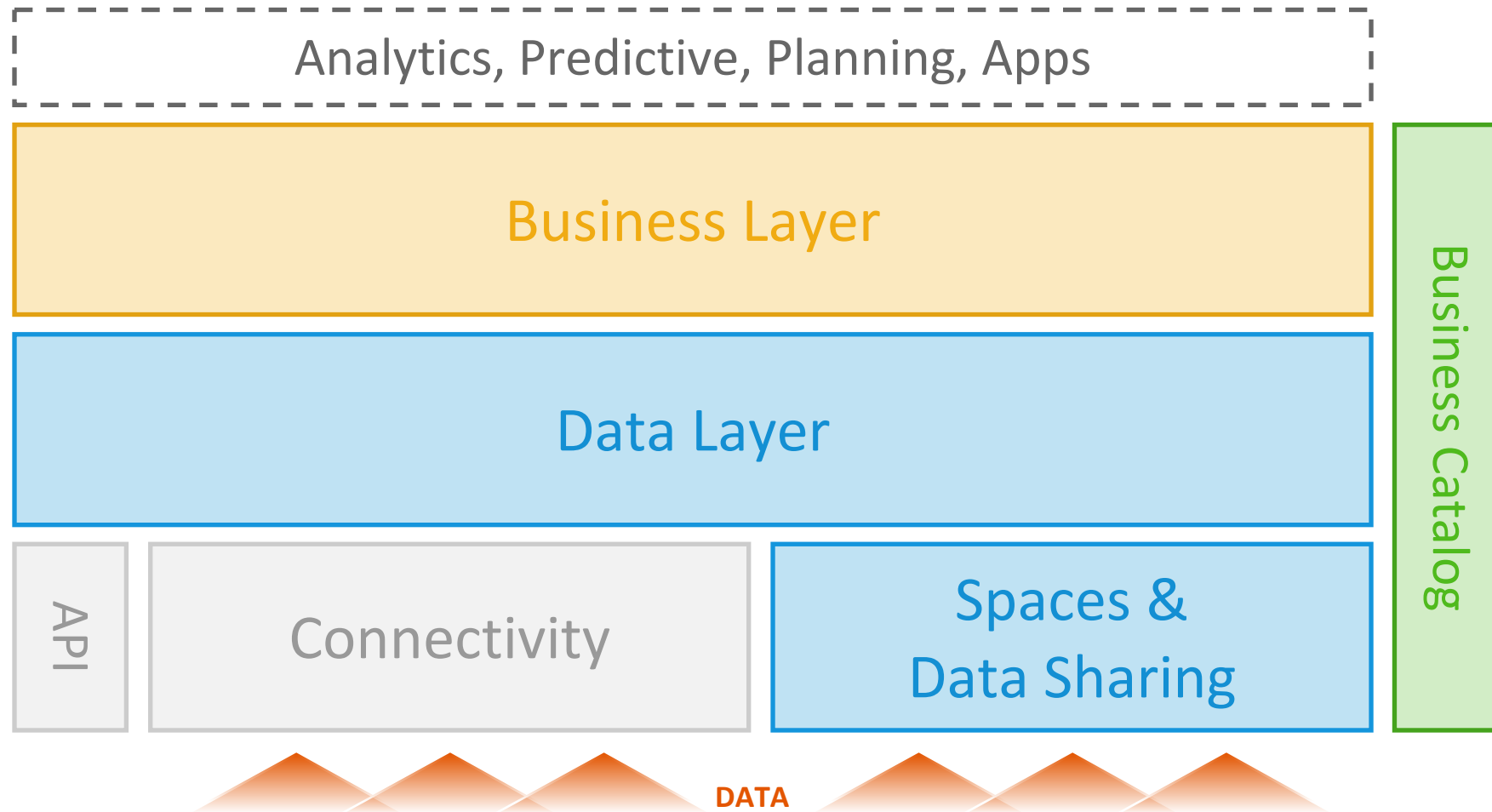
**Unlock**  
data insights with integrity



**Accelerate**  
outcomes without complexity



## SAP Data Warehouse Cloud. High-level Component Overview





# SAP Data Warehouse Cloud. Use Cases



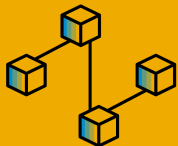
## Self-Service Data Modeling & Analytics

Empower business users with self-service, top-down driven analytics in an IT governed environment via spaces. Instant access to business applications via pre-built adapters to integrate any type of data from any source, SAP and non-SAP data sources, on-prem and in the cloud.



## Enabling Data Democratization

Accelerate time-to-insight via rapid onboarding of resources. Lower adoption barrier with a business semantic layer abstracting data layer from underlying physical data sources. Leverage data catalog and pre-built business content (industry-data models, KPIs) and deliver enterprise-wide collaboration via space concept to support end-to-end decision-making.



## End-to-End Data Warehousing

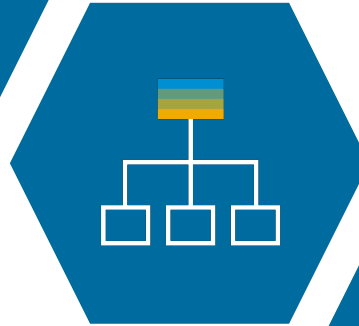
Leverage existing SQL skills, SAPIDEs, open-source and/or in-built tooling for data integration, governance, harmonization and Big Data historization to provide a consolidated view across the enterprise. Extract maximum investment from existing on-prem investments via hybrid scenarios e.g. SAP HANA for SQL DW, SAP S/4HANA, SAP BW/4HANA etc.

# SAP Data Warehouse Cloud. Ready for Your Data Journey

**Integrate.**



**Manage.**



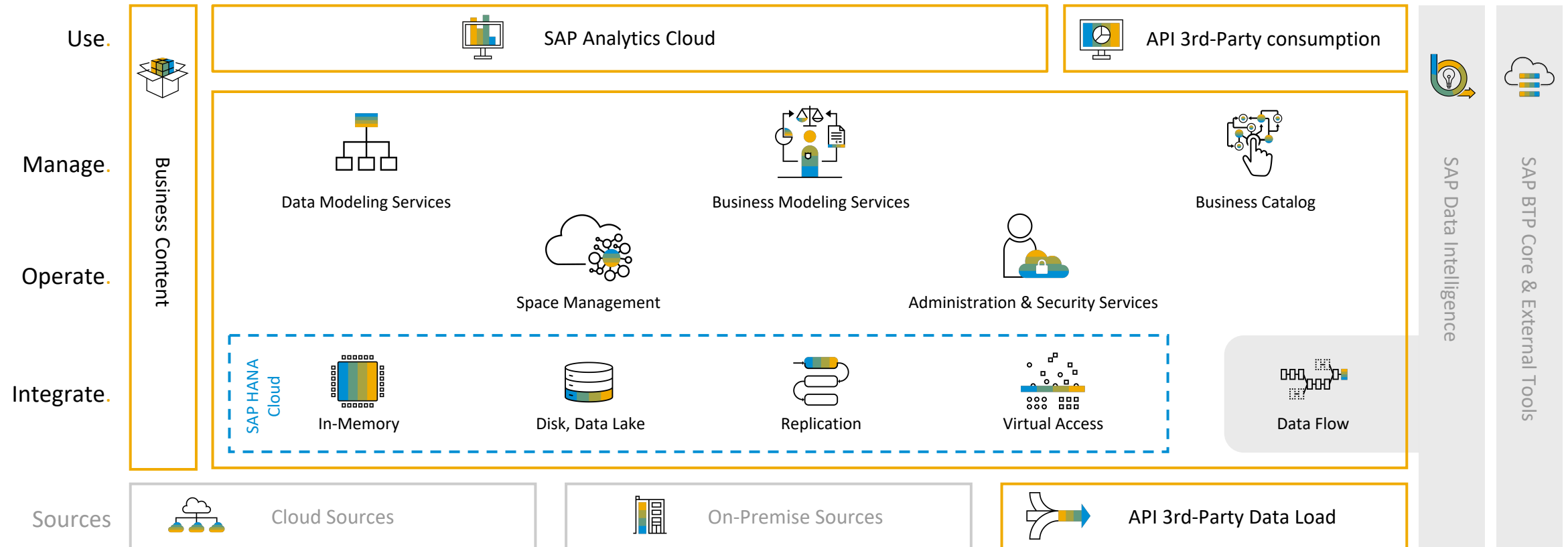
**Use.**



**Operate.**



# SAP Data Warehouse Cloud. Architecture



Provide your users an end-to-end view of their data landscape that is trusted, secure, and actionable

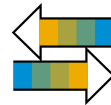
# Integrate.





# Integrate. Open for Virtual Access and Persistence

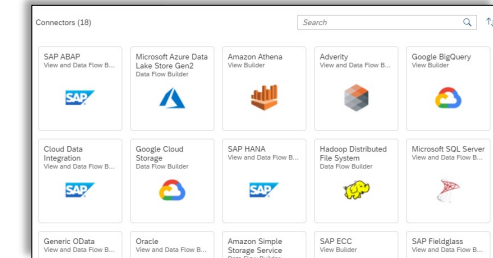
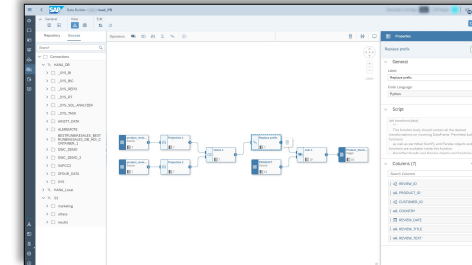
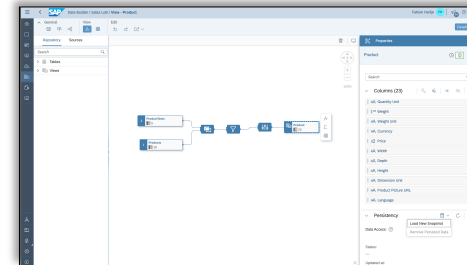
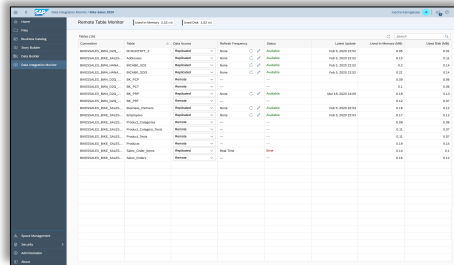
## Virtual Access



## Persisted

## Data Flow

## 3<sup>rd</sup> Party API



### Realtime virtual data access

- Leave data in the source system and access remotely when needed
- No upfront data movement
- Federation is supported across various sources and hyperscalers

### Single table replication

- Real-time table replication for up-to-date data
- Materialize views and update snapshots using automated, scheduled data loads

### ETL beyond view modeling

- Combine structured and semi structured data while defining ETL processes
- Advanced transformation capabilities leveraging Python 3

### Integrate with all data sources

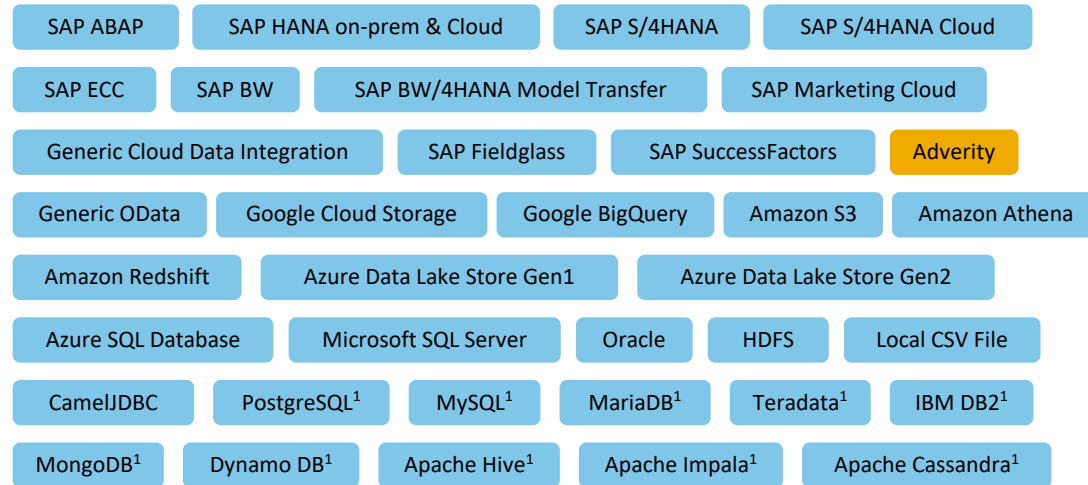
Allow external data movement tools like SAP Data Services, SAP Data Intelligence, Precog, SnapLogic, Adverity, etc. to simply bring data into SAP Data Warehouse Cloud using SQL interfaces



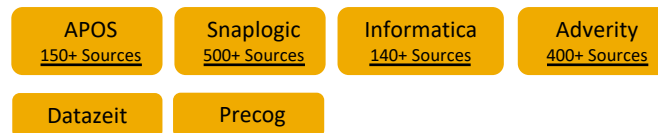
# Integrate. Data Sources Overview

## Current

### Connection Tiles



### Partners



SAP Help: [Connection Overview](#)



Delivered



Planned\*



Partner

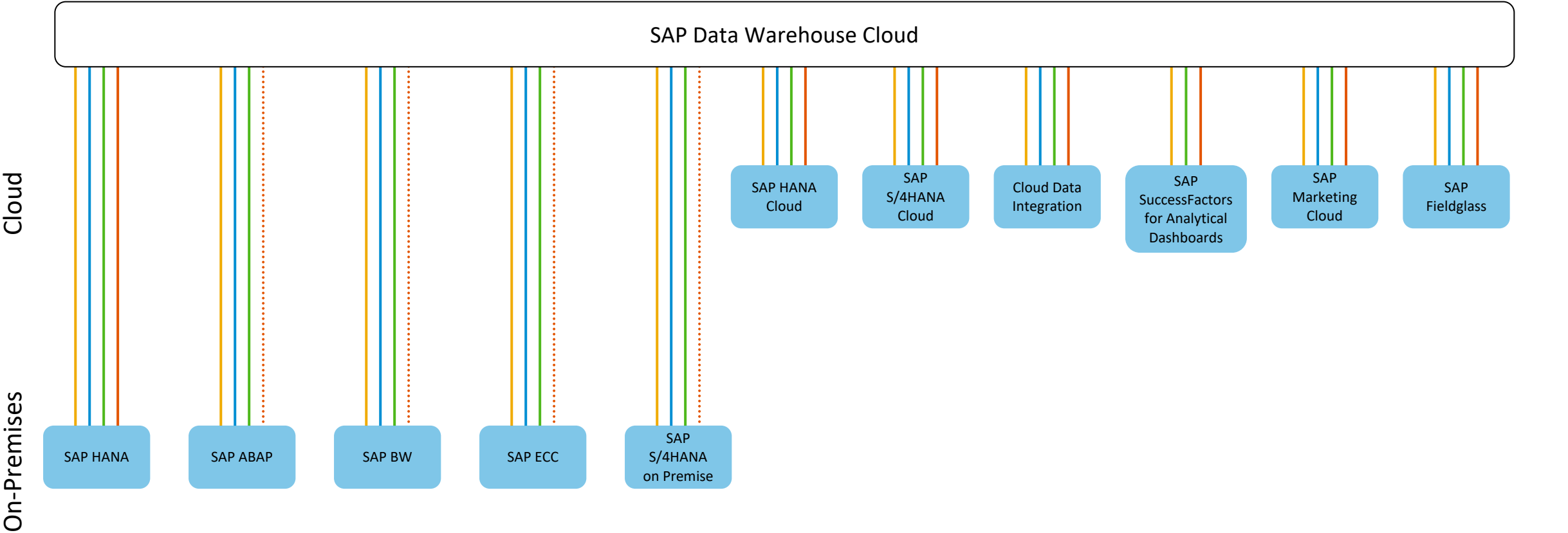
<sup>1</sup> Via Apache CamelJDBC Connection with dedicated JDBC driver provided by customer.

\* According to the [SAP Data Warehouse Cloud Roadmap](#)

Note: The shown sequence does not reflect priority and timewise planning



# Integrate. **Data Sources & Supported Options for SAP Systems**

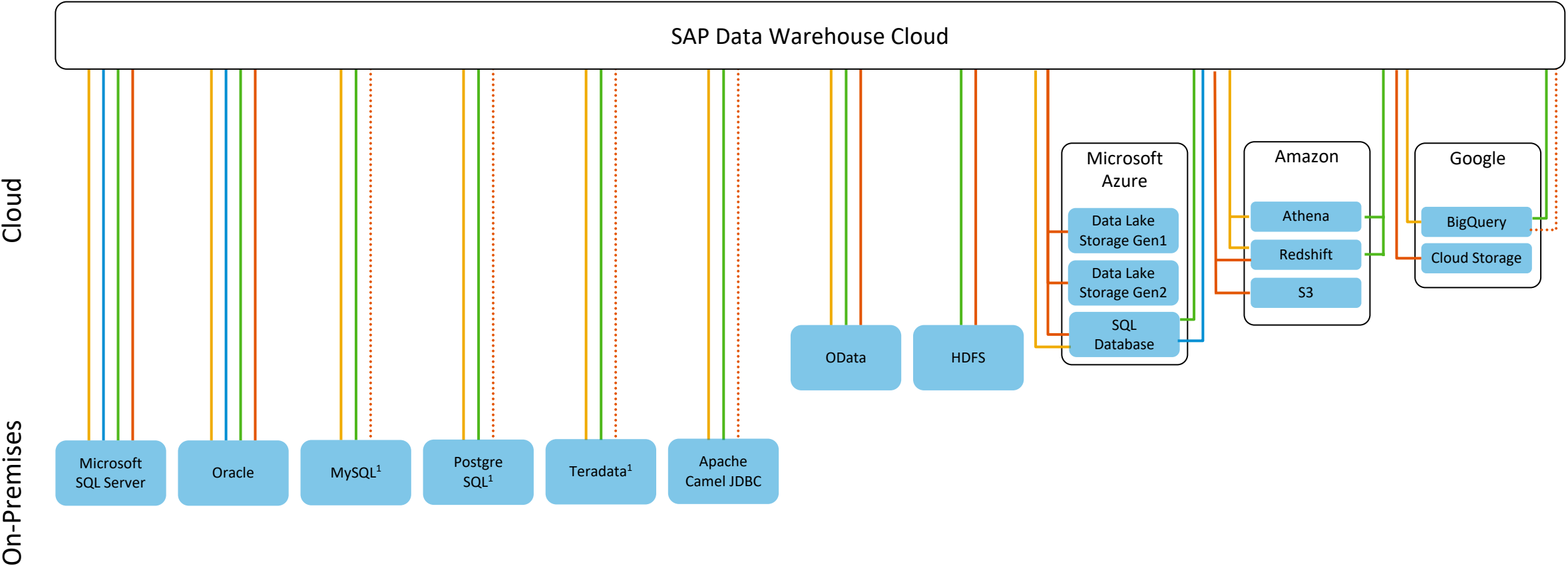


SAP Help: [Connection Overview](#)

Delivered Planned\* Federation Realtime Replication Snapshot Data Flow Data Flow based on a View



# Integrate. **Data Sources & Supported Options for other Systems**



SAP Help: [Connection Overview](#)

¹ Via Apache CamelJDBC Connection with dedicated JDBC driver provided by customer.

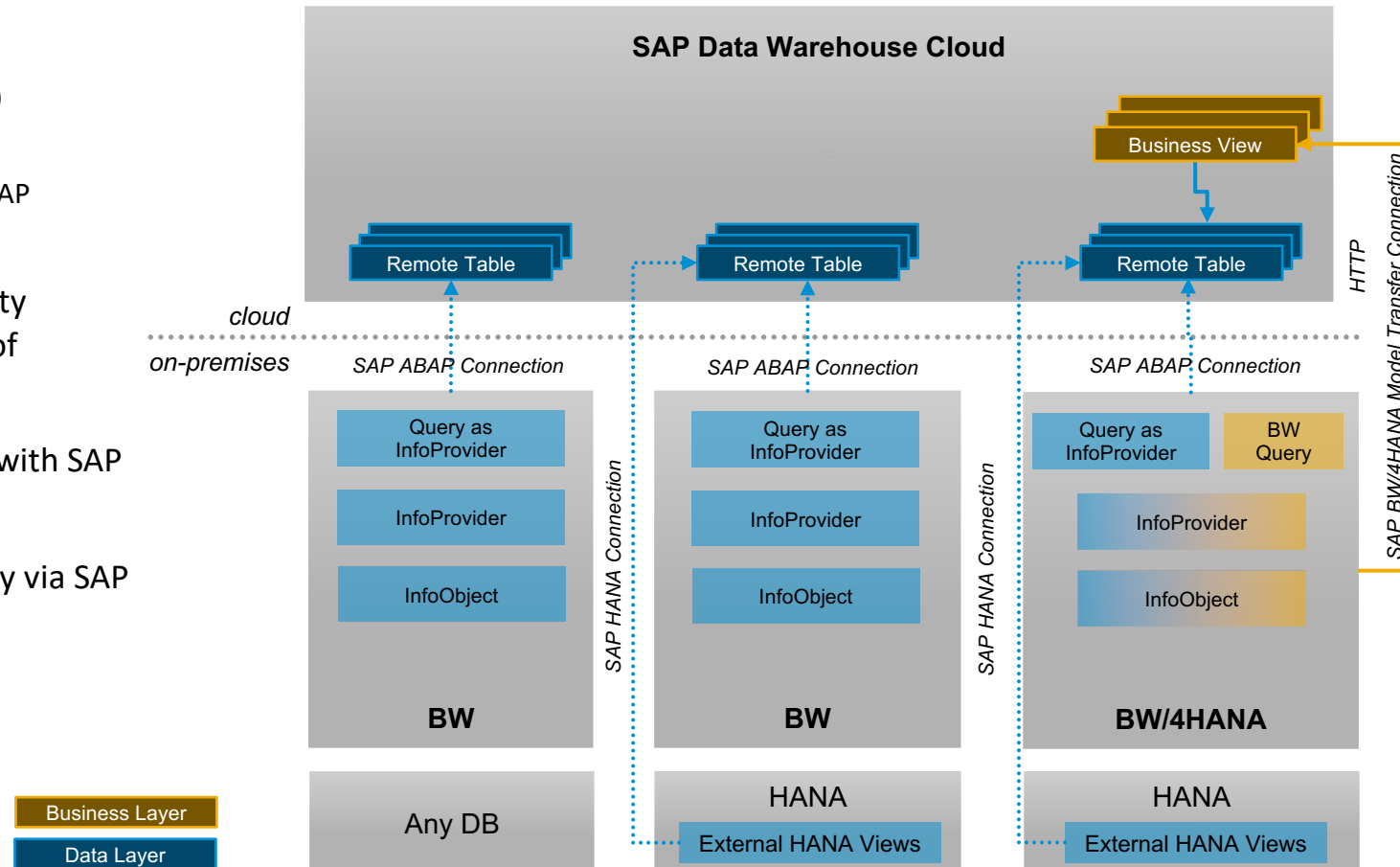
Legend:  Delivered  Planned\*  Federation  Realtime Replication  Snapshot  Data Flow  Data Flow based on a View





# Integrate. Hybrid SAP BW Integration Overview

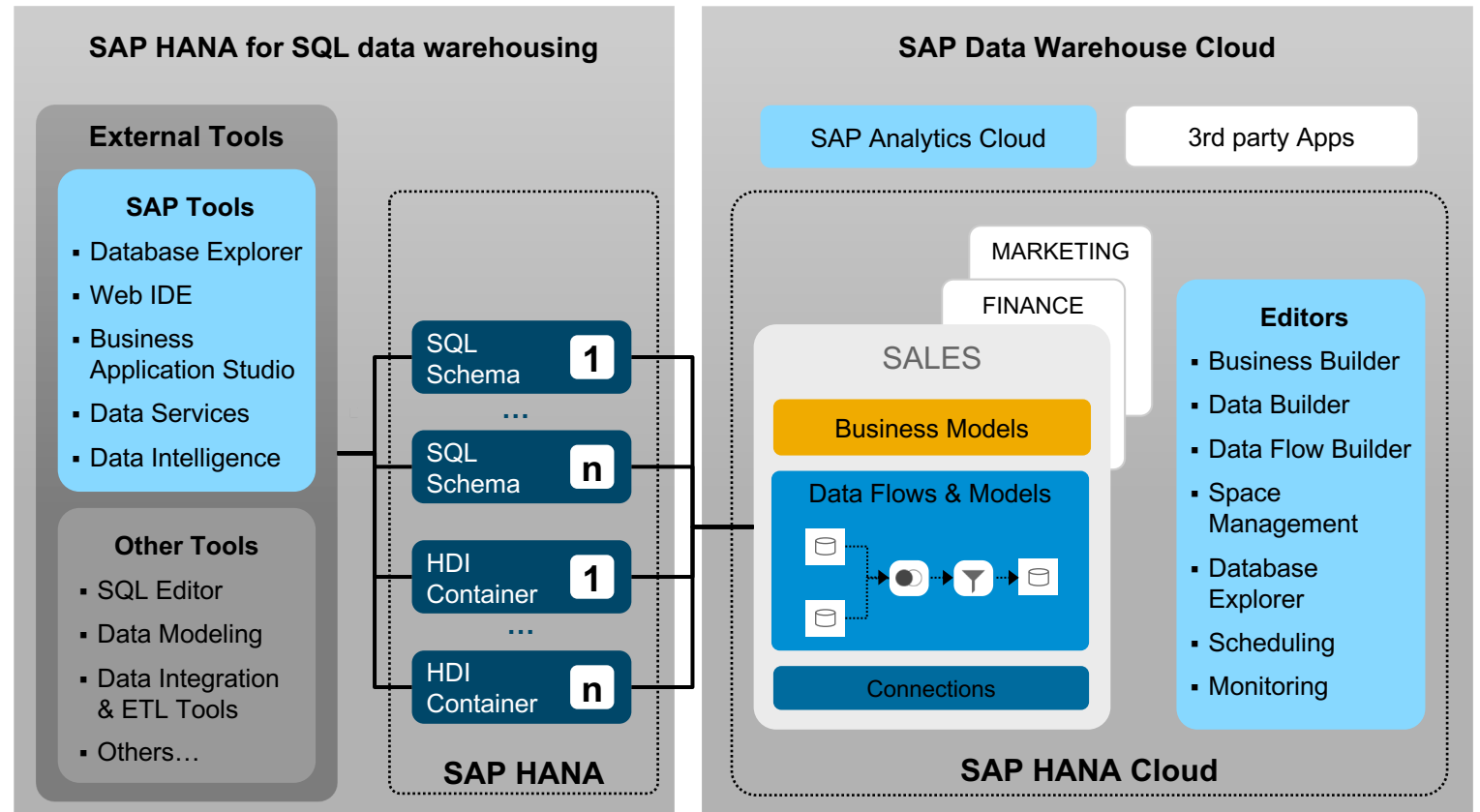
- Two different ways available for integrating SAP BW & SAP BW/4HANA systems:
  - Federated/replicated data consumption scenarios via
    - Operational Data Provisioning framework (SAP ABAP connection)
    - External SAP HANA Views (SAP HANA connection)
  - Federated/replicated business semantics integration scenarios via SAP BW/4HANA Model Transfer connection
- Differences in support of consumable entities, supported entity features, federated or replicated scenarios, location & usage of calculation engine
- Remote or replicated data consumption scenarios supported with SAP BW & SAP BW/4HANA
- Business semantics migration support for SAP BW/4HANA only via SAP BW/4HANA Model Transfer connection





# Integrate. Hybrid SAP HANA for SQL data warehousing Integration

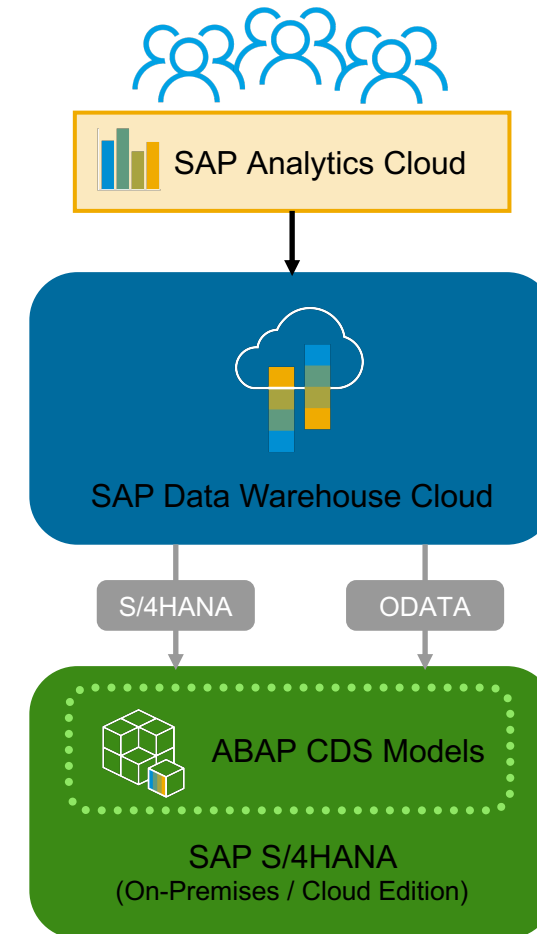
- SAP HANA for SQL data warehousing integrating loosely coupled, but deeply integrated tooling (SAP and open Source) enabled to connect, access & process data, governed by SAP HANA 2.0 or SAP HANA Cloud
  - HANA Artefacts, like: Calculation View, remote Source, Flowgraph, Roles, virtual Table, Table, NDSO ...
  - SQL Artefacts: HANA SQL DDL & DML
- SAP Data Warehouse Cloud
  - Editors empower Business & IT Users to create End-to-End Scenarios
  - Data is accessed, processed, federated and persisted using SAP HANA Cloud





# Integrate. Recommended Connections to SAP S/4HANA On Premises & SAP S/4HANA Cloud Edition

- SAP delivers content for the whole stack on all levels (different levels of ABAP CDS Views)
- Re-use of the S/4HANA semantics of Virtual Data Model in the form of ABAP CDS Views
- Convert the S/4HANA VDM semantics to SAP Data Warehouse Cloud entities for a selected ABAP CDS Views\*
- Generated objects allow direct analytic consumption AND the usage of the granular objects for advanced modeling in SAP Data Warehouse Cloud\*
- Federation, Replication and Extraction Scenarios using the Data Flow are possible
- The OData connection does not support remote table access



\* According to the [SAP Data Warehouse Cloud Roadmap](#)

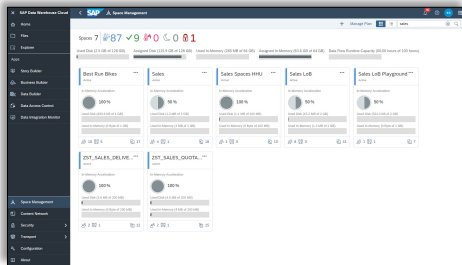
Operate.



# Operate. Unlocking data insights with integrity



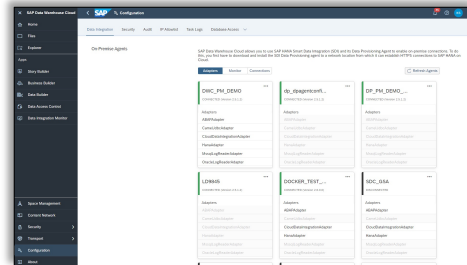
## Space Management



### Collaboration across spaces

- Access to globally managed data without export & import
- Work independently with your local data and create new insights
- Share your results with others
- Governed by IT

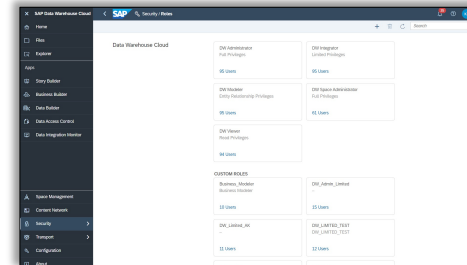
## Configuration



### Manage your system settings

- IP-Allowlisting
- Data Provisioning Agents monitoring & configuration
- 3<sup>rd</sup> Party driver & certificate Management
- Access HANA Cloud Cockpit
- Auditing

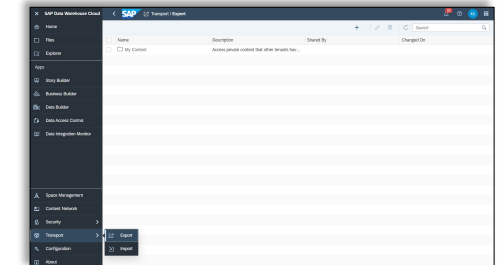
## Security



### Security on all layers

- User Management
- Row-level Security
- Secure Source System Connections
- Data Anonymization & Data Masking

## Transport



### Transfer content between tenants

- Move your own content between different tenants
- Export content packages and share with other tenants

# Operate. Spaces



## Independent virtual work environments

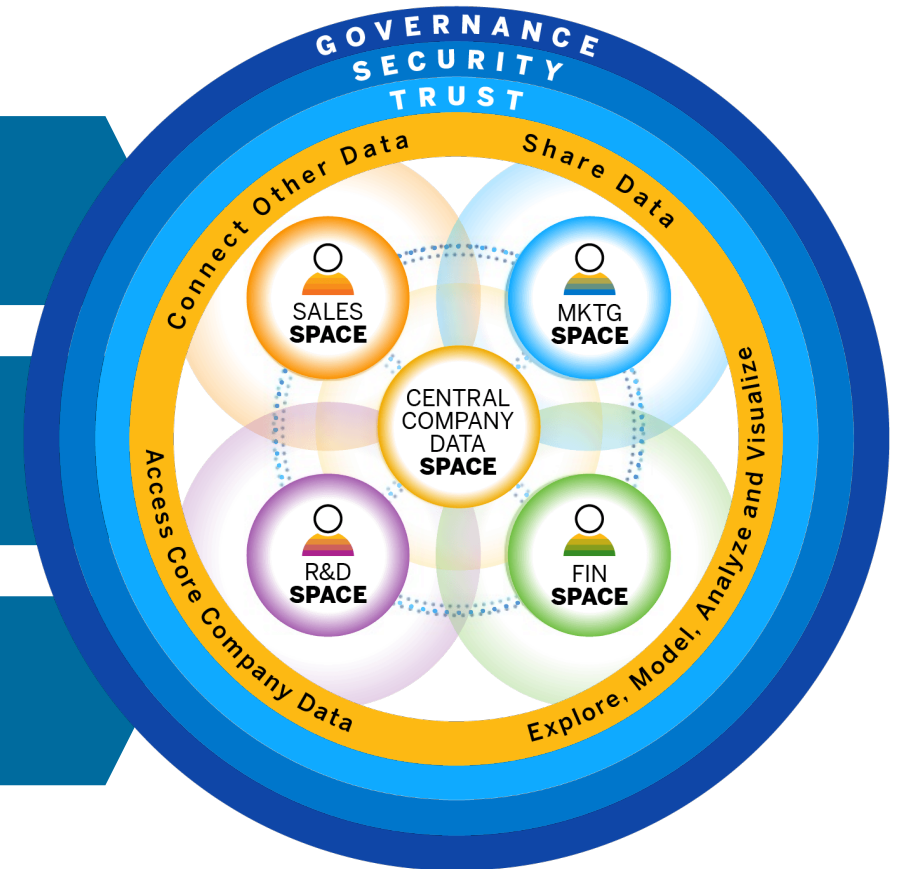
for departments, LOB's, data domains, project teams, and individuals

## Data sharing fosters collaboration

between IT, business units, and projects to connect global & local data

## Get in control of data sprawl

by reusing shared data & avoid maintaining disconnected data sets





## Operate. Security on all layers

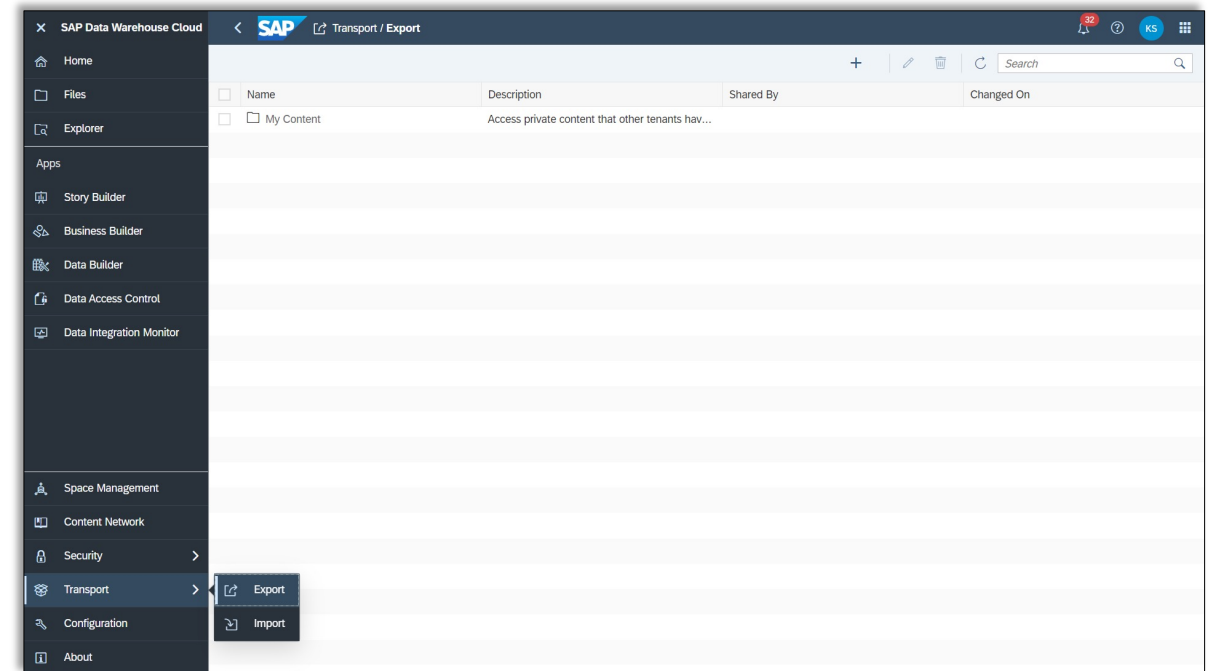
- Access on tenant level handled by user management
- Functional access managed by standard and custom application roles
- Space level access granted for members only
- Row-level security managed by Data Access Controls on data and business layer via authorization scenarios
- Secure Source System Connections
- Define database user privileges
- Data anonymization & data masking features of SAP HANA Cloud can be leveraged in an Open SQL Schema
- Auditing for read and change operations





# Operate. Transport content between tenants

- Export and import your own content using the content network
- Collect and build your own content package based on one or multiple spaces
- Provide export package for transport to other systems
- Import content from other systems into an existing Space (same technical name)
- Alternatively, import and export metadata of modelling artifacts as a CSN file containing the definition and description of the SAP Data Warehouse Cloud metadata



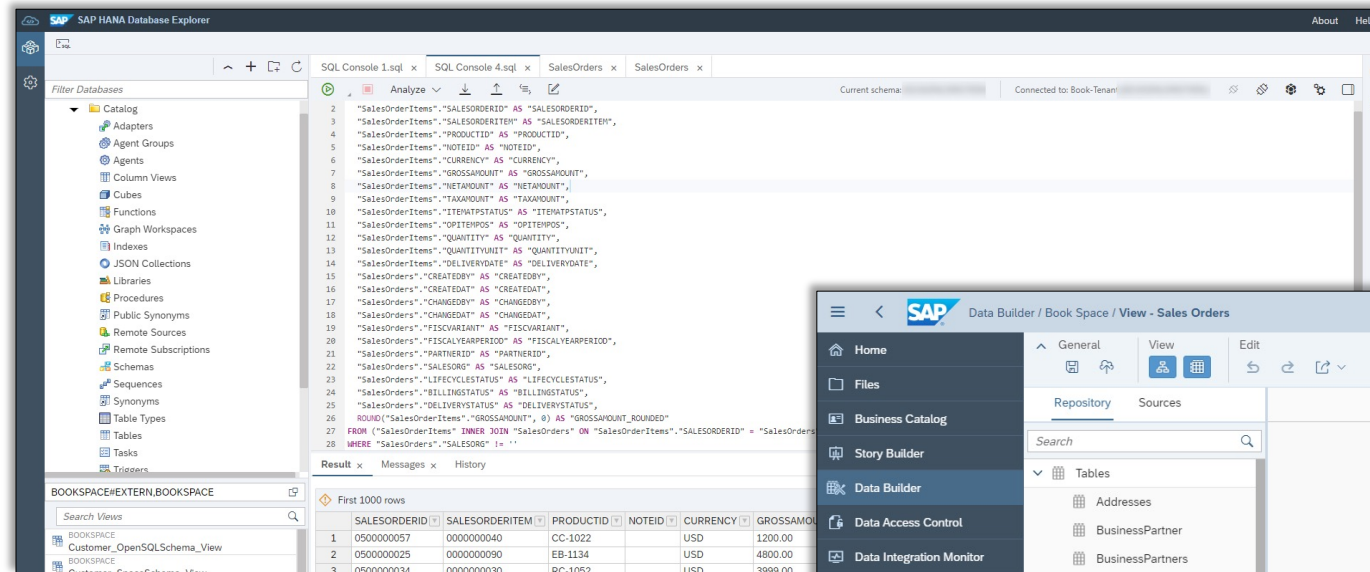


Manage.



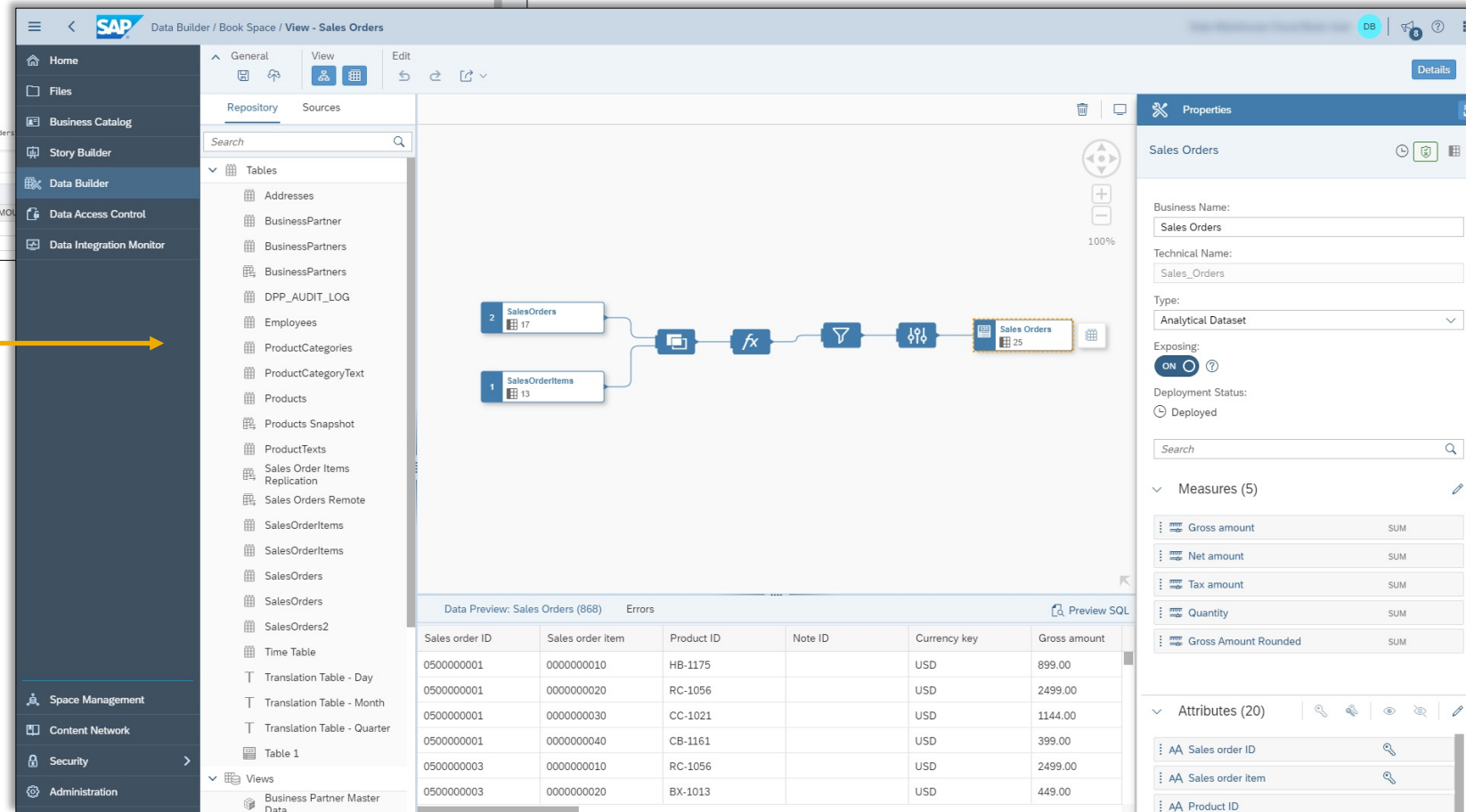


# Manage. Open for Line of Business & Developers



View Definition in  
SAP Database Explorer  
Target Persona: **Developer**

No-Code View Definition in  
Data Warehouse Cloud Data Builder  
Target Persona: **Line of Business**



# Manage. Modeling for Everybody

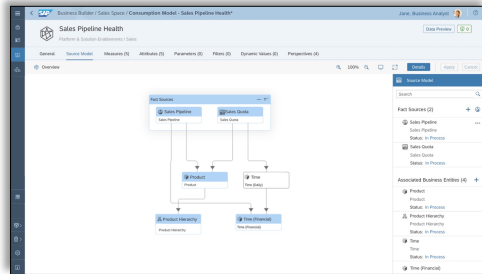


Business Analyst  
(no-code/low-code)



Developer  
Power User

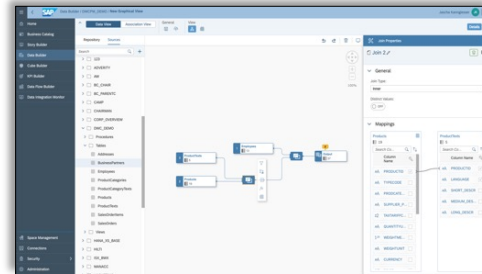
## Business Modeling



- Allow for a greater degree of self service
- Non-disruptive environment for business scenarios – independent from the data integration layer

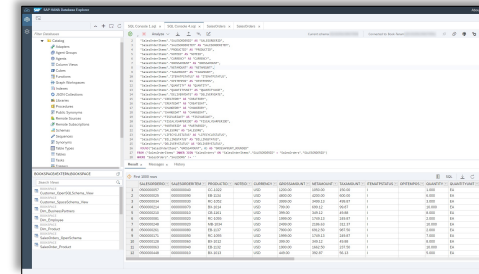
Enable self-service modeling in a no-code/low-code environment with governed data security

## Graphical & Scripted



- Collection of no-code/low-code editors to support Graphical Modeling
- Model E/R-models, Tables, Views, SQL & SQL-Script Views
- Focuses on most commonly used modeling operators

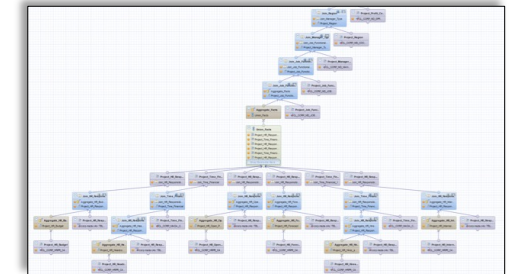
## Open SQL Schema



- Option to use SQL DDL & DML leveraging e.g. SQL Views, Tables, Procedures, etc.
- Leveraging existing SQL-tooling & skillset
- SAP Database Explorer

Possibility to build models directly on the “integrated” SAP HANA Cloud tenant using external tools

## SAP HANA Deployment Infrastructure



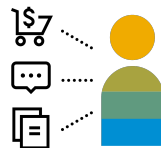
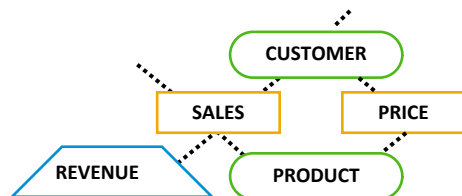
- SAP HANA Cloud Modeling capabilities leveraging Calculation View, Flowgraph, Synonym, etc.
- Simply re-use HANA based Modeling within SAP Data Warehouse Cloud



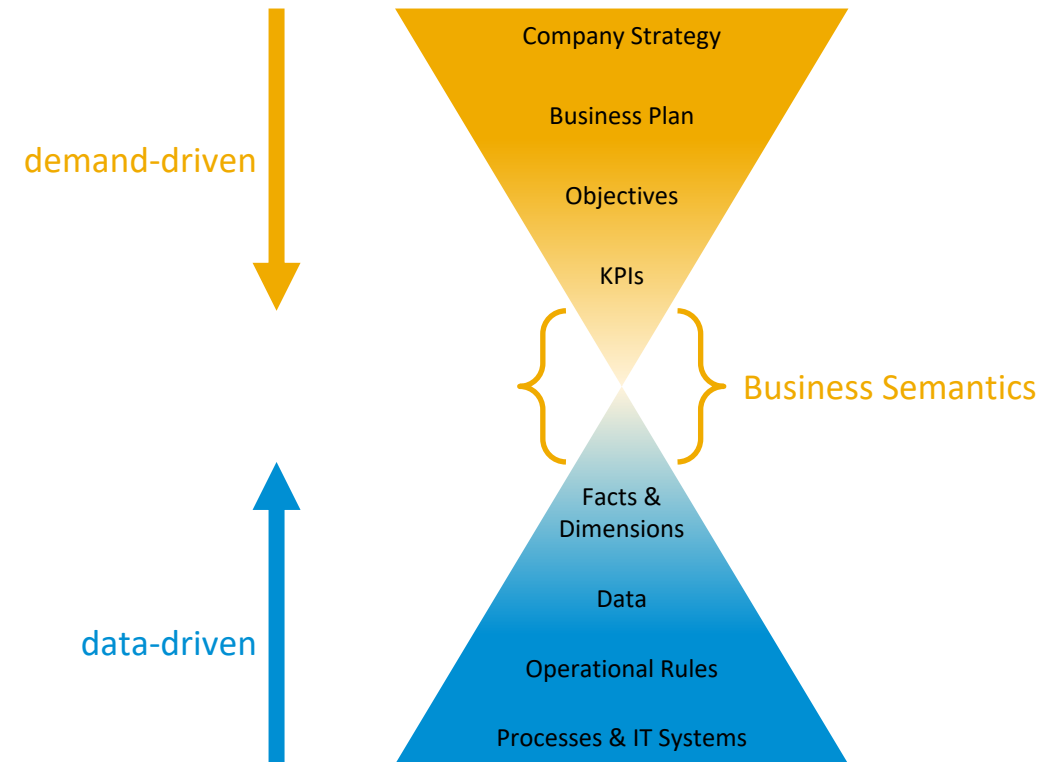
# Manage. Business Modeling

The business layer will empower BI analysts to model using business terminology and allow for **demand-driven modeling** in addition to **data-driven modeling**.

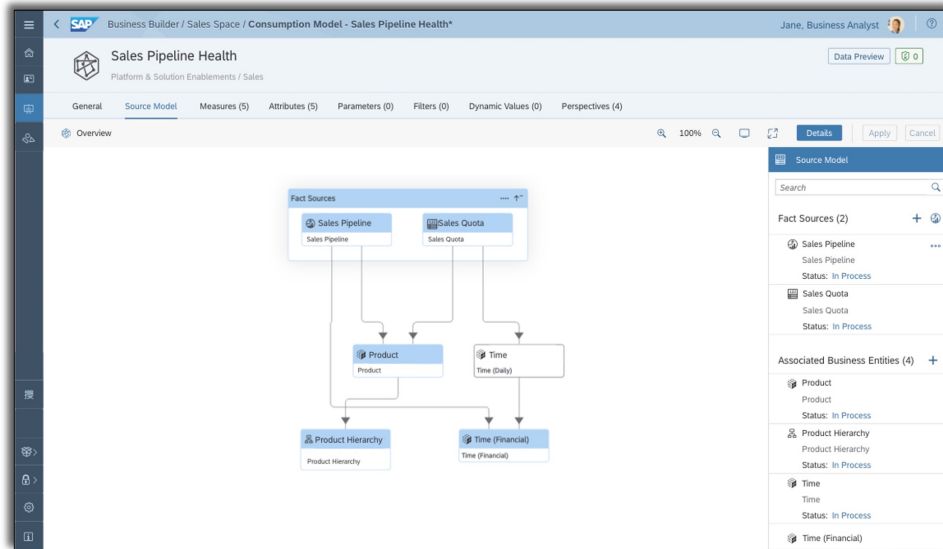
- Enables business users to model their business scenario without knowing the underlying data models
- Self-service modeling for Lines of Business
- Hides data complexity through using business language terminology
- Business model independent from data layer



Users Work in  
Business Terms



# Manage. Business Modeling



Fact and Consumption Modeling

| FULL_NAME                  | Number of Follower | Social Media Costs | Cost per 1000 Follower | EUR |
|----------------------------|--------------------|--------------------|------------------------|-----|
| Matthias Schweighöfer      | 2,081,866.00       | 4,000.00           | 1.92                   |     |
| Banana Moon 1978           | 24,884.00          | 50.00              | 2.01                   |     |
| SV Sandhausen 1916 e.V.    | 24,611.00          | 50.00              | 2.03                   |     |
| Michael Charles Hilton     | 24,561.00          | 50.00              | 2.04                   |     |
| *CHRIS*                    | 23,993.00          | 50.00              | 2.08                   |     |
| Ecliptic Brewing           | 23,983.00          | 50.00              | 2.08                   |     |
| BIKE-Magazin               | 23,968.00          | 50.00              | 2.09                   |     |
| Enrike Lozano Coelho       | 23,928.00          | 50.00              | 2.09                   |     |
| Brauerei C. & A. VELTINS   | 23,925.00          | 50.00              | 2.09                   |     |
| Oliver Gawryluk            | 23,876.00          | 500.00             | 2.09                   |     |
| EYECANDY PHOTOGRAPHS ©     | 23,824.00          | 50.00              | 2.10                   |     |
| VELTINS-Arena              | 23,626.00          | 50.00              | 2.12                   |     |
| BAOS: Craft Beer Podcast   | 23,398.00          | 50.00              | 2.14                   |     |
| Great Notion Brewing       | 92,455.00          | 200.00             | 2.16                   |     |
| Wild West Village, NYC     | 23,052.00          | 50.00              | 2.17                   |     |
| Lover's Beer               | 23,037.00          | 50.00              | 2.17                   |     |
| Tattoos   Chaos   Blödsinn | 22,977.00          | 50.00              | 2.18                   |     |
| Dra. Luz Marina Bertolotto | 22,876.00          | 50.00              | 2.19                   |     |
| Jan Hojer                  | 91,255.00          | 200.00             | 2.19                   |     |
| Rollin Smoke Barbeque      | 22,649.00          | 50.00              | 2.21                   |     |

Interactive Data Discovery

- Build **one semantic layer** for all your consumers
- Flexibly **change the underlying data layer** when needed (i.e. changes in source systems) without disrupting your consumers
- Run **advanced data preview** with filtering, sorting and parameterization\* capabilities, to validate the modeled business logic immediately

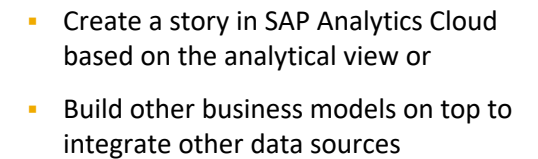
\* According to the [SAP Data Warehouse Cloud Roadmap](#).



1



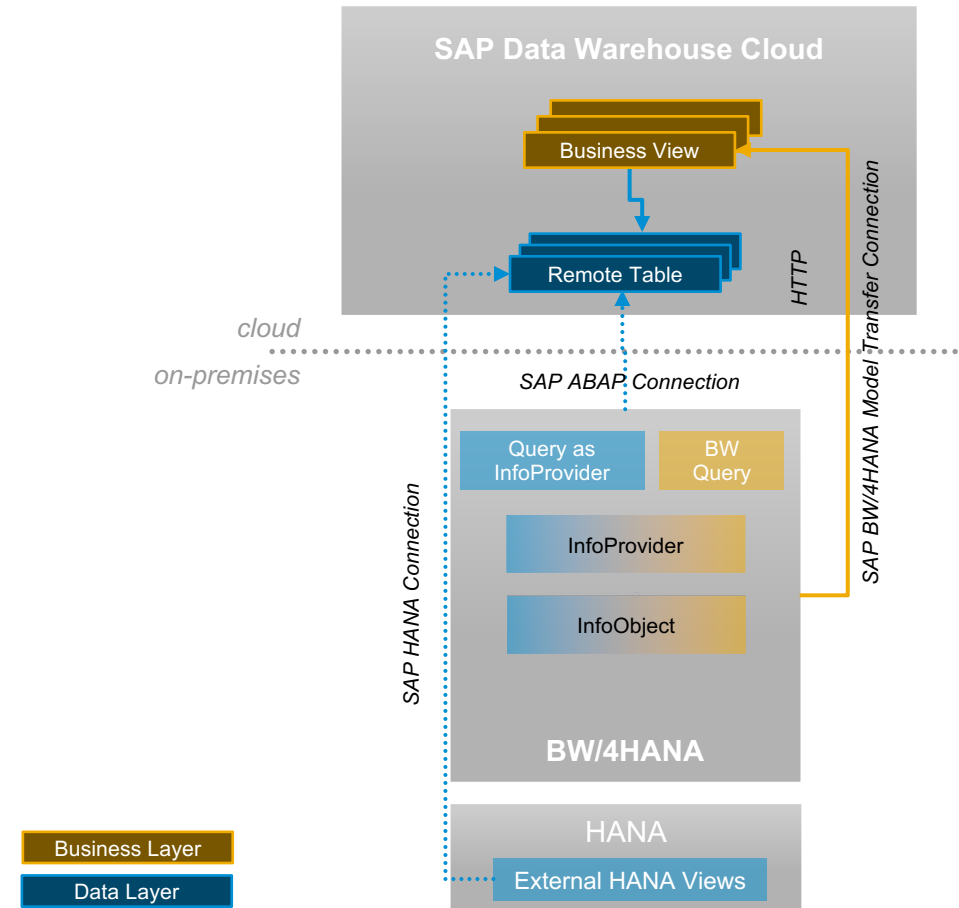
## 3





# Manage. SAP BW/4HANA Model Transfer

- Provide SAP BW/4HANA business semantics to SAP Data Warehouse Cloud
- Enable staging scenarios for SAP BW/4HANA data & virtual models
- Transfer BW Query as native entity (KPI, analytic model)
- Support BW Analysis Authorizations in SAP Data Warehouse Cloud\*
- Hierarchy Support (virtual, available via semantics, native SAP Data Warehouse Cloud dimension with hierarchies)\*
- SAP BW/4HANA system only acts remote data source, calculation engine execution (via MDS) happens in SAP Data Warehouse Cloud
- More information about supported features in [SAP Note 2932647](#)



\* According to the [SAP Data Warehouse Cloud Roadmap](#).





# Manage. Open SQL Schema Modeling

- External tools can create artifacts in an Open SQL Schema of a Space
- Connect via 3<sup>rd</sup> party SQL client like SAP Database Explorer directly from Space Management
- Usage of SAP HANA SQL capability (DDL & DML)
  - Create views, tables
  - Define & execute stored procedures
  - Leverage Data Anonymization and Data Masking
  - Automated Predictive Library (APL) and Predictive Analysis Library (PAL), if enabled in Space

The screenshot shows the SAP HANA Database Explorer interface. On the left, a tree view displays the database structure, including 'BOOKSPACE' and 'SalesOrders'. The main area shows a SQL console with a query and its results. The query is a complex join involving 'SalesOrderItems', 'SalesOrders', and 'SalesOrderProduct'. The results table has 12 columns: SALESORDERID, SALESORDERITEMID, PRODUCTID, NOTEID, CURRENCY, GROSSAMOUNT, NETAMOUNT, TAXAMOUNT, ITEMATPSTATUS, OPITEMPOS, QUANTITY, and QUANTITYUNIT. The first 12 rows of data are displayed.

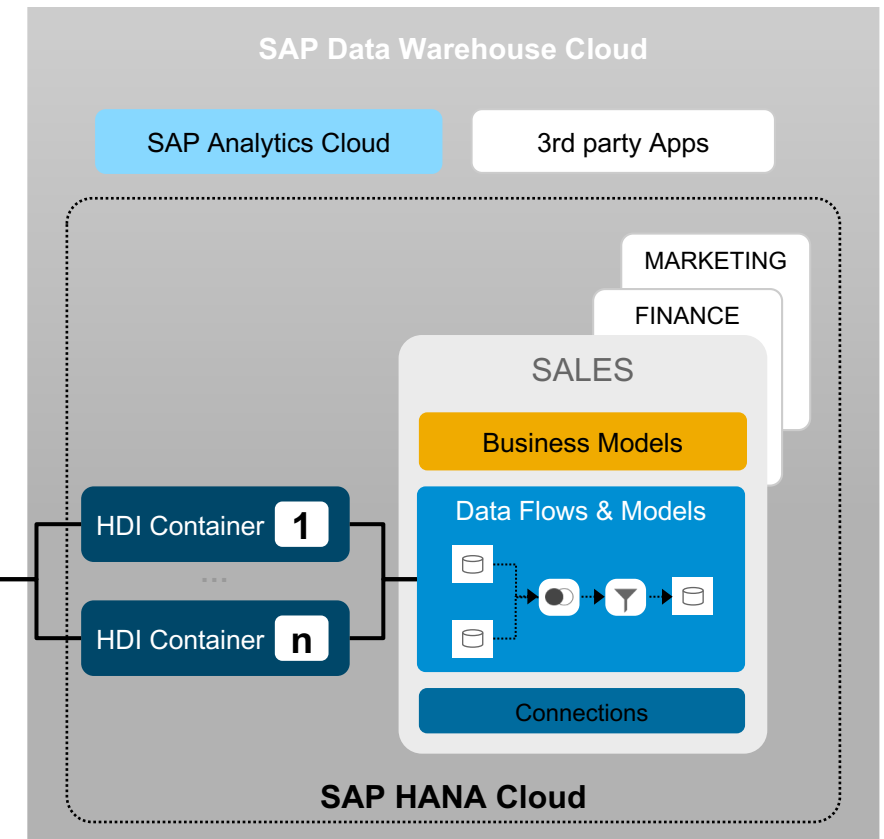
|    | SALESORDERID | SALESORDERITEMID | PRODUCTID | NOTEID | CURRENCY | GROSSAMOUNT | NETAMOUNT | TAXAMOUNT | ITEMATPSTATUS | OPITEMPOS | QUANTITY | QUANTITYUNIT |
|----|--------------|------------------|-----------|--------|----------|-------------|-----------|-----------|---------------|-----------|----------|--------------|
| 1  | 0500000057   | 0000000040       | CC-1022   |        | USD      | 1200.00     | 1050.00   | 150.00    | I             |           | 1.000    | EA           |
| 2  | 0500000025   | 0000000090       | EB-1134   |        | USD      | 4800.00     | 4200.00   | 600.00    | I             |           | 6.000    | EA           |
| 3  | 0500000034   | 0000000030       | RC-1052   |        | USD      | 3999.00     | 3499.13   | 499.87    | I             |           | 3.000    | EA           |
| 4  | 0500000214   | 0000000070       | BX-1014   |        | USD      | 799.00      | 699.12    | 99.87     | I             |           | 10.000   | EA           |
| 5  | 0500000210   | 0000000010       | CB-1161   |        | USD      | 399.00      | 349.12    | 49.88     | I             |           | 8.000    | EA           |
| 6  | 0500000001   | 0000000020       | RC-1055   |        | USD      | 1999.00     | 1749.13   | 249.87    | I             |           | 2.000    | EA           |
| 7  | 0500000248   | 0000000020       | NB-1034   |        | USD      | 2499.00     | 2186.63   | 312.37    | I             |           | 10.000   | EA           |
| 8  | 0500000261   | 0000000080       | EB-1137   |        | USD      | 7900.00     | 6912.50   | 987.50    | I             |           | 2.000    | EA           |
| 9  | 0500000171   | 0000000050       | RC-1055   |        | USD      | 1999.00     | 1749.13   | 249.87    | I             |           | 7.000    | EA           |
| 10 | 0500000128   | 0000000060       | BX-1012   |        | USD      | 399.00      | 349.12    | 49.88     | I             |           | 8.000    | EA           |
| 11 | 0500000063   | 0000000040       | EB-1132   |        | USD      | 1900.00     | 1662.50   | 237.50    | I             |           | 10.000   | EA           |
| 12 | 0500000448   | 0000000010       | BX-1013   |        | USD      | 449.00      | 392.87    | 56.13     | I             |           | 5.000    | EA           |





# Manage. SAP HANA Deployment Infrastructure

- Reuse existing models from your SAP Web IDE or Business Application Studio development
- Deploy the SAP HANA Cloud Deployment Infrastructure containers (HDI) in the underlying HANA Cloud database
- Access HDI containers in the Data Builder and create additional models with the possibility to combine both
- Allow the space schema models and data sets to be consumed in your HDI containers



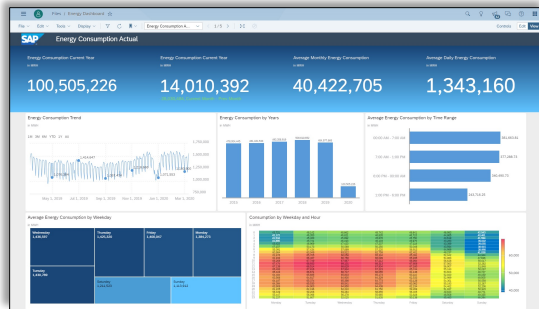
Use.



# Use. Choice and openness with prebuilt business content



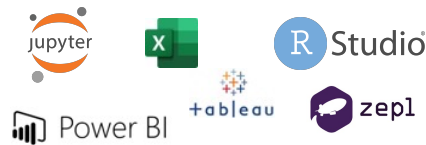
## SAP Analytics Cloud



### One seamless user experience

- Direct consumption of models in SAP Analytics Cloud (live connection)
- Any number of SAP Data Warehouse Cloud systems can be connected to any number of SAP Analytics Cloud systems

## 3rd Party API

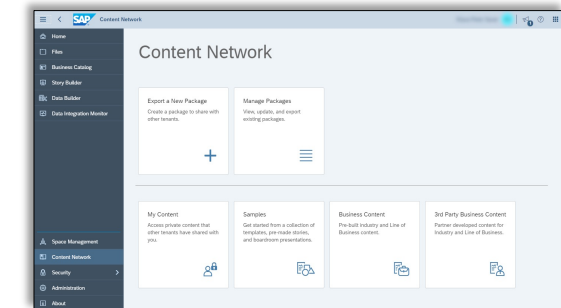


API 3rd-Party consumption

### 3rd Party API for consumption

- Freedom of choice
- Use consumption interface to connect any 3rd-party front end tool to your exposed views
- Make your data models accessible for consumption tools & applications

## Business Content



### Business accelerators

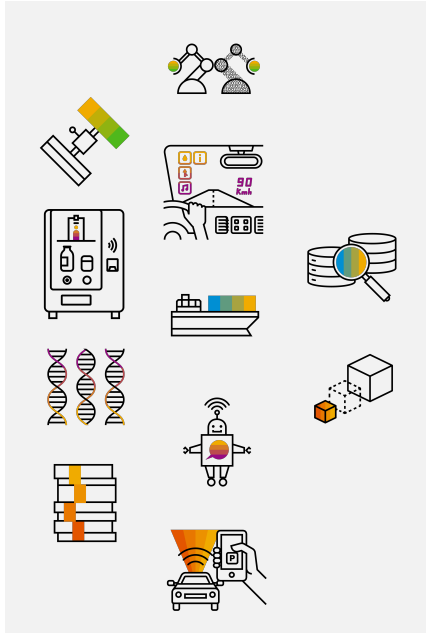
- Content packages ready to use and accelerate your project
- Packages SAP and partners for various LOB and industry scenarios
- Separate packages for data models and visualizations

\* According to the [SAP Data Warehouse Cloud Roadmap](#)

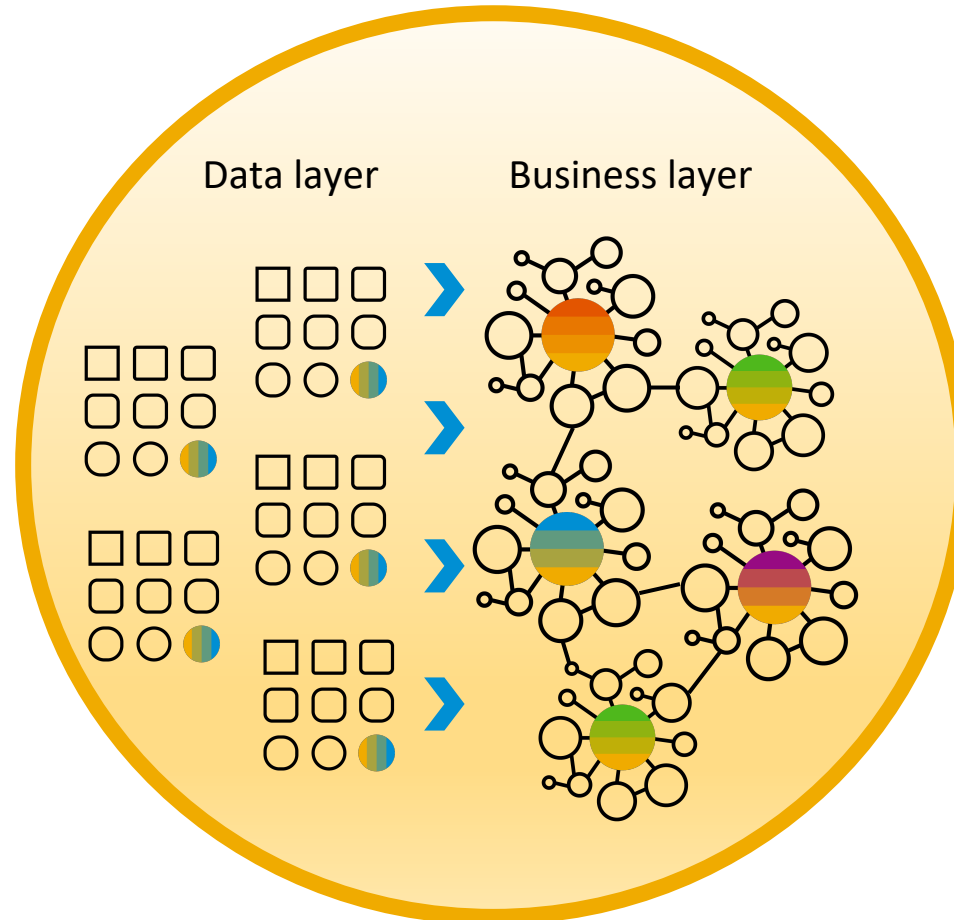


# Use. Combining SAP Data Warehouse Cloud & SAP Analytics Cloud\*

Data sources



SAP Data Warehouse Cloud



SAP Analytics Cloud



Ad hoc data  
exploration



Powerful  
visualization



Intelligent  
augmentation



Business  
planning<sup>1</sup>



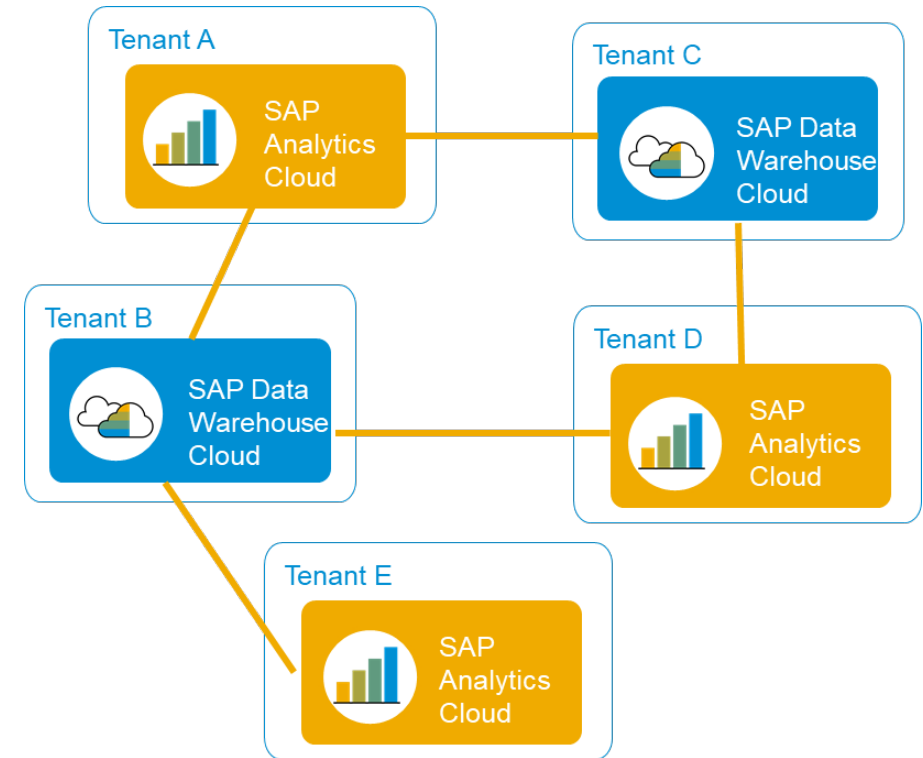
\* Please note that both SAP Analytics Cloud and Data Warehouse Cloud are separate products and can be used independent from each other.

<sup>1</sup> According to the [SAP Data Warehouse Cloud Roadmap](#).



## Use. SAP Analytics Cloud & SAP Data Warehouse Cloud

- Regardless of the tenant any SAP Data Warehouse Cloud can be connected across tenants to any SAP Analytics Cloud
- SAP Data Warehouse Cloud systems are connected via Live Connector
- The live connectivity needs to be set up manually
- SAP Data Warehouse Cloud remote connections can also be set up for SAP Analytics Cloud NEO tenants
- SAP Analytics Cloud and SAP Data Warehouse Cloud can run in different release cycles

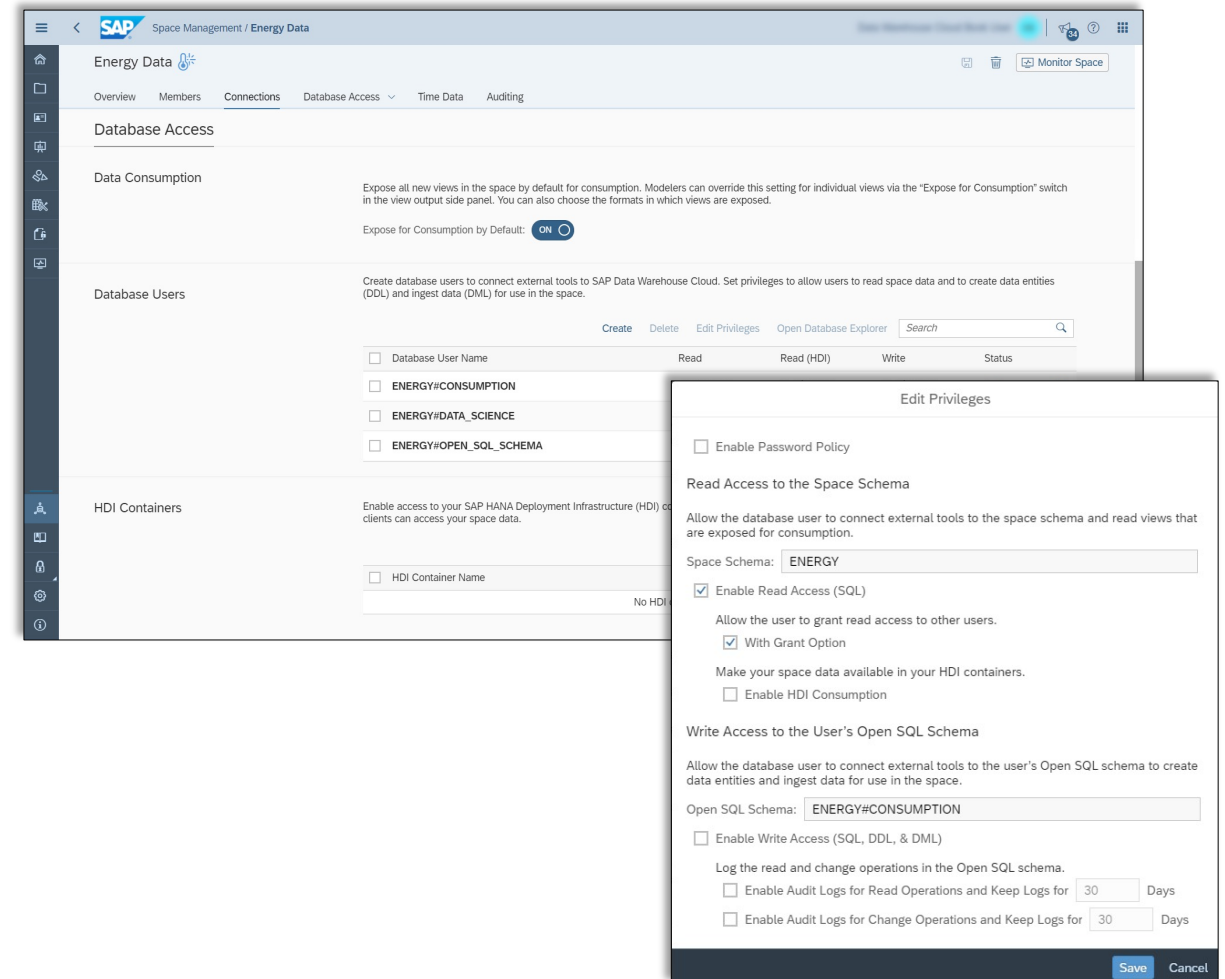


SAP Note: [2832606 - Limitations with Live Connections](#)

# Use. 3<sup>rd</sup> Party Data Consumption API



- Enabling read access for external consumption tools or applications via a database user with read privileges
- Consume exposed data models from your space
- Provide SQL endpoint to dedicated space schema
- Connect with 3<sup>rd</sup> party SQL client





# Use. Business Content

## SAP Content

- SAP Ariba: Enterprise Analytics for Procurement
- SAP Ariba: Spend Analysis **new**
- Automotive: Responsive Supply Network, Sales and Inventory
- Consumer Products: Revenue Growth Management (Foundation)
- Finance for SAP S/4HANA Cloud
- Financial analytics dashboard for SAP Analytics Cloud **update**
- Retail: POS Analysis **update**
- Statistical Process Control (SPC)
- SAP Supply Chain Management – Life Sciences Dashboard **new**
- Telecommunication: Customer Value Management (CVM)
- Utilities: Meter to Cash
- [More information](#)

Partner Content also listed on [SAP Store](#)



Marketing Analytics



Customer Service Insights



E-Commerce - Cross Marketplace Insights



Procurement Cockpit



Sales Dashboard



Optimizing Order Fulfillment with ML



SuccessFactors / Attendance Tracker



Sales Insights (SAP BW & Salesforce)



MOSAIC – Margin-Optimized Sales Intelligence



Lyra Integrated Capacity Planning (EAM & HCM)



Financial Reporting for SAP Business One

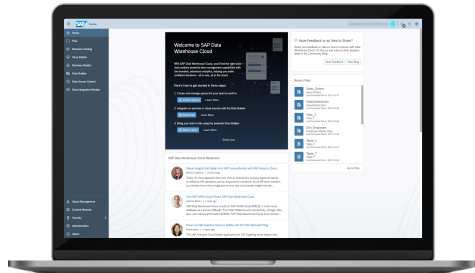


EWM Insights

# SAP Data Warehouse Cloud. Selected Powerful Features

1

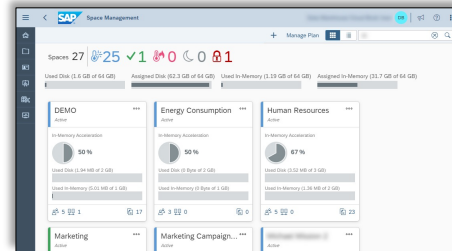
## Browser-based Access



Empower your workforce with **cloud-based simplicity**

2

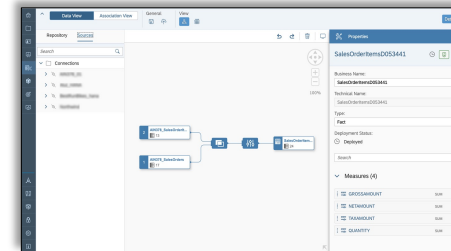
## Space Management



Organize your central & local data with **Spaces**

3

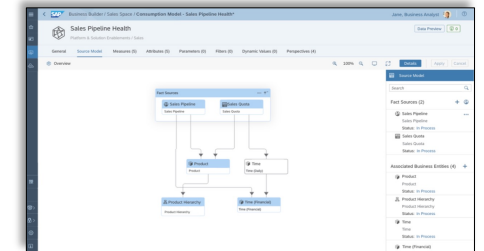
## No-Code Data Modelling



State of the art **graphical data modeling** capabilities

4

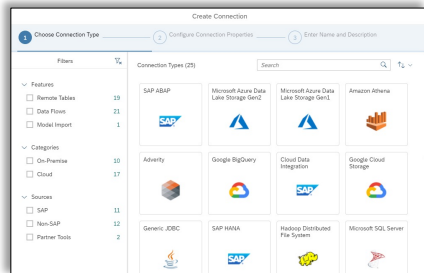
## Semantic Layer



Make data accessible via the **Business Layer**

5

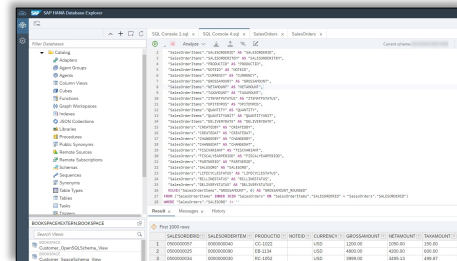
## Connectivity



Combine data from different **SAP & non SAP sources** across **on-prem & inter-cloud**

6

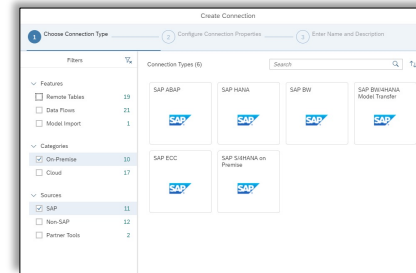
## Openness



Open to **external tooling** for data integration, data modeling and consumption

7

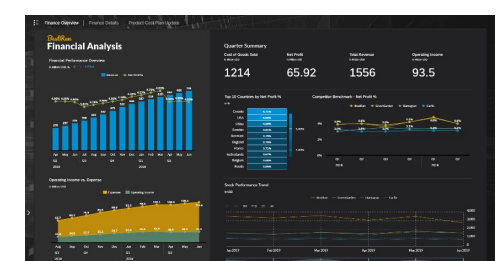
## Hybrid-Scenarios



Tight integration of on-prem scenarios like **SAP BW/4HANA** or **SAP HANA**

8

## Advanced Analytics



Powerful integration with **SAP Analytics Cloud**



# SAP Data Warehouse Cloud. SAP Road Map Explorer



Road Map Explorer

Products

Processes

Industries

SAP

Road Maps

SAP Road Maps support the journey to SAP's future product portfolio. Explore our road maps, webinars, and transformation guides.

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VIEW CURRENT INFORMATION  
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Road Map Explorer

Products

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Industries

SAP Data Warehouse Cloud

61 Innovations

Products

Industries

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Q1 2021

CURRENT 23 Innovations

SAP Data Warehouse Cloud 1.0

1

Business Content Provisioning

Business content packages for manufacturing, finance, telco, and...

SAP Data Warehouse Cloud 1.0

Business Modeling

Currency Conversion

Input parameters and variables

Model metadata access for analytics cloud solutions

Text table and text association support

Data Integration Management

Advanced settings for connections

Connection to SAP S/4HANA Cloud

Data Flow: Leveraging open connectors in SAP Cloud Platform...

Generic JDBC and ODBC adapters

Importing SAP BW/4HANA Models

Replication capabilities

Scheduling of view materialization

Data Modeling

Change management

Currency Conversion

Q2 2021

6 Innovations

Future Release

Cloud Availability Assurance

Data center availability in South Korea through AWS

Data-center availability in Canada through AWS

Data-center availability in the U.S. western region on Azure

Data Integration Management

Content generation for SAP S/4HANA

Data Flow: Connection to REST endpoints

Federated/ Replicated: Connection to PostgreSQL, Teradata, and MySQL

Support external hierarchies for SAP BW/4HANA

Data Modeling

Data builder: data-preview enhancement

Data Warehouse Administration

Data anonymization

Q3 2021

6 Innovations

Future Release

Cloud Availability Assurance

Data-center availability in Europe through Azure

Data Integration Management

Partitioning/ Packaging of data loads

Remote table input parameter support

Data Modeling

Versioning

Data Warehouse Management

Built-in support

Data Warehouse Spaces Management

Advanced cross-space sharing capabilities

Q4 2021

6 Innovations

Future Release

Business Modeling

Key performance indicators

Multilingual content support

Top-down modeling

Workflow Management

Data Modeling

Intelligent data maintenance: searching and highlighting

Multilingual content support

Workflow Management

Data Warehouse Management

Self-service for scale-down

Q1 2022

4 Innovations

Product Vision

Cloud Availability Assurance

Data center availability in the United States through Google Cloud...

Data-center availability in Switzerland through AWS

Data Provisioning

Integrate the data analyzer

Smart discovery integration with SAP Analytics Cloud

2023

3 Innovations

Product Vision

Cloud Availability Assurance

Data-center availability in the Asia Pacific region through Google Cloud...

Data-center availability in the European region through Google Cloud...

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To help you make the most of your trial, you will be supported with getting started and multi-media training content.

**2. BE PART OF A GROWING COMMUNITY**  
You will receive exclusive access to the SAP Data Warehouse Cloud Community to ask all your questions, as well as get insider tips from other members, and our product experts.

**3. HAVE YOUR VOICE HEARD**  
Provide direct feedback with in-app surveys. Collaborate with our team in elevating SAP Data Warehouse Cloud.

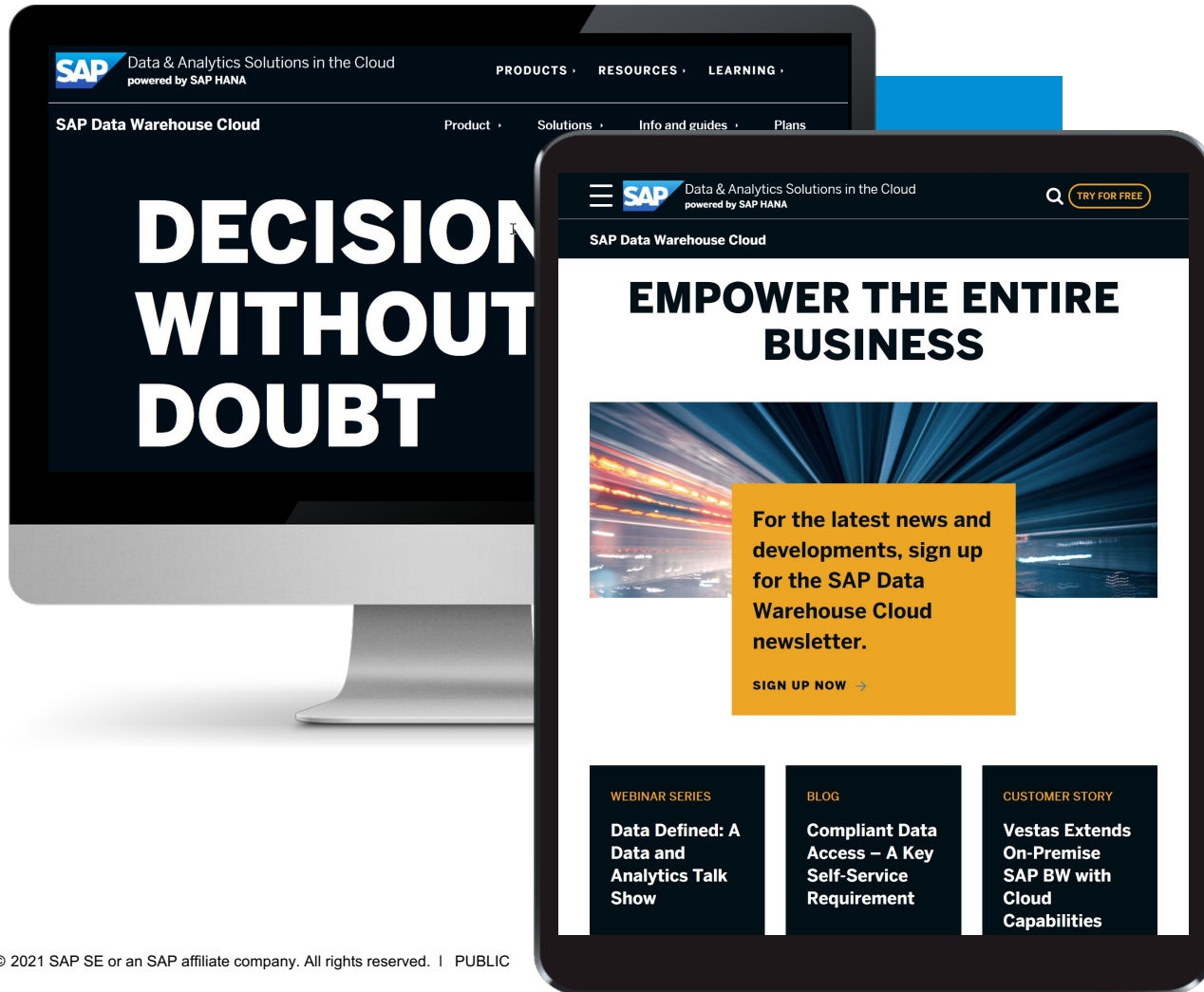
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