



C2: SAP Data Warehouse Cloud

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PUBLIC

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SAP Data Warehouse Cloud

Statement of Direction

SAP will continue to innovate and provide industry leading data warehousing technologies to enable the Intelligent Enterprise:

- Cloud, on-premises, and hybrid deployments
- Logical data warehousing support
- Integration of any data type and source
- Scale out to high data volumes and data lakes
- Out-of-the-box and cross-industry business content
- Continuous innovations in SAP Data Warehouse Cloud, SAP SQL Data Warehousing, and SAP BW/4HANA



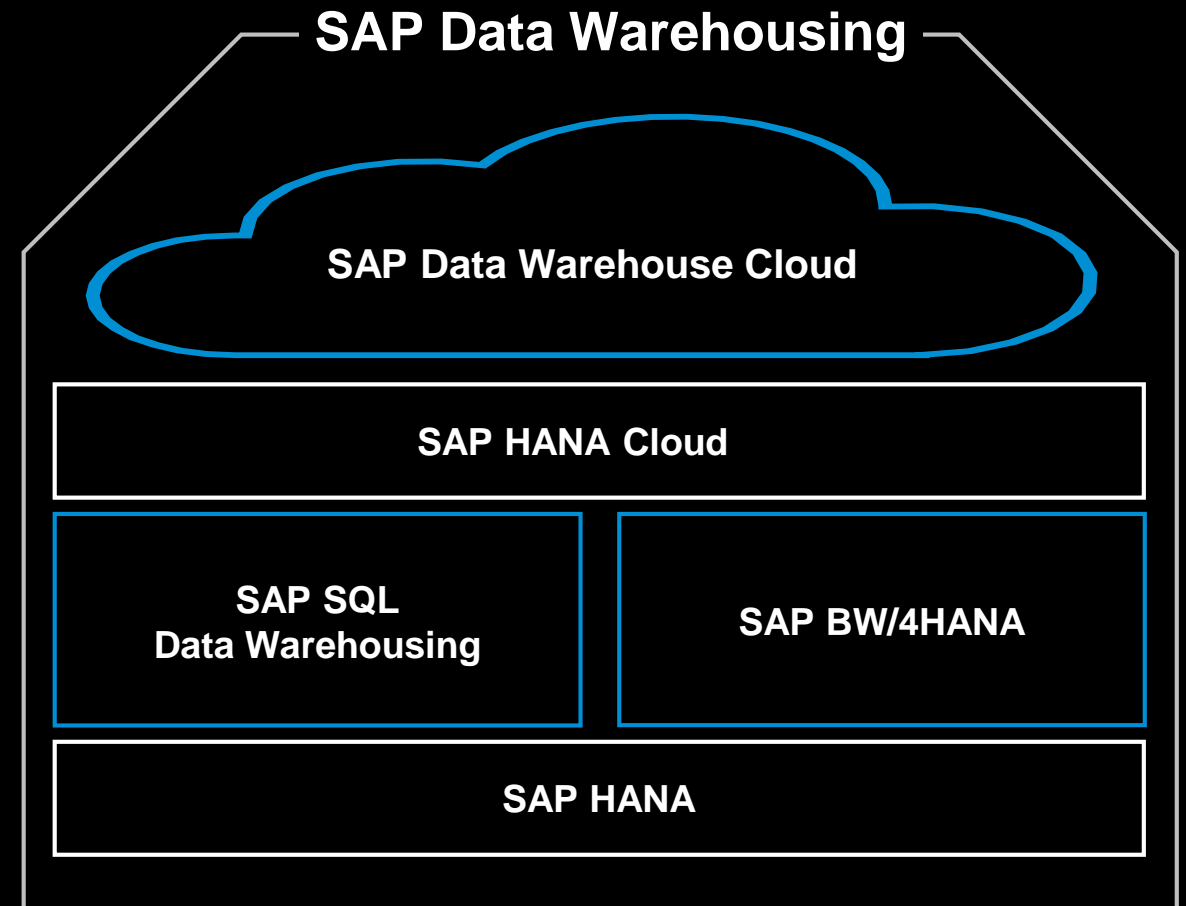
On-Premises



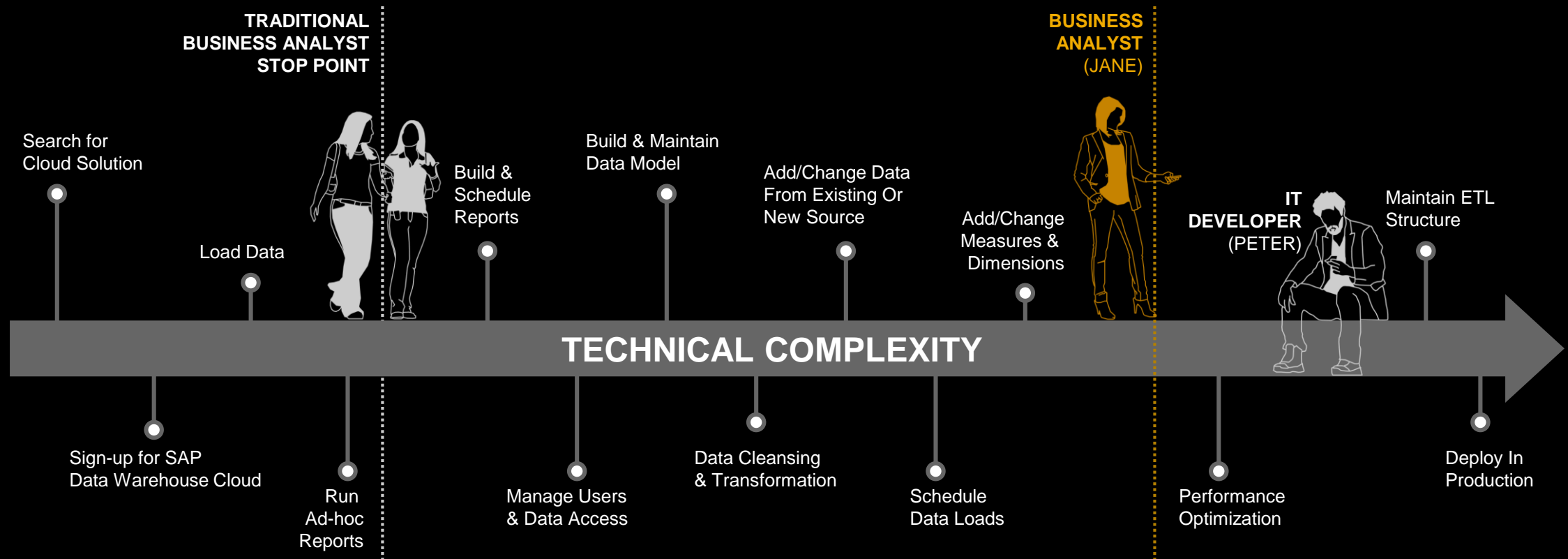
Hybrid



Cloud



VISION: Simplify Experience For Data Management Tools



SAP Data Warehouse Cloud is ...



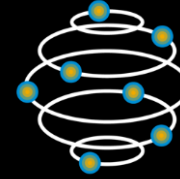
End-to-end

Gain instant value with pre-built business content and out-of-the-box advanced analytics



Collaborative

Combine information from enterprise data sources and external data sources in spaces dedicated to a specific line of business or use-case



Elastic

Flexible and simplified package pricing or pay for what you use – no strings attached



Fast

Power of SAP HANA and in-memory technology for the fastest analytical and database experience without front-loaded costs

An analytic and persona-driven data warehouse as-a-service tailored for business and IT users

Instant access to application data via pre-built adapters to integrate data from various sources

Scalable, elastic, open and flexible, making it suitable for any company of any size

Use Cases



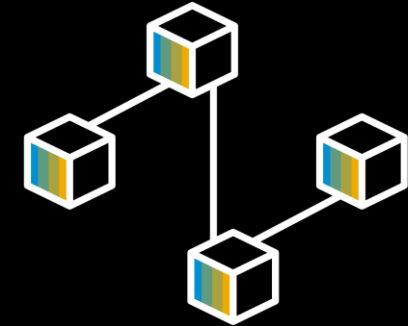
DW Modernization via **Hybrid Scenarios**

*Tight integration of on-prem scenarios (like SAP S/4HANA or SAP BW/4HANA) by extending on-prem data with cloud data to **enhance models** for broader insights*



Accelerate Analytics via **Data Marts**

*New scenarios: extract, replicate, or federate data from different sources to **create new models***



Gain Insights Into All Your Data via **Cross-Application Warehousing**

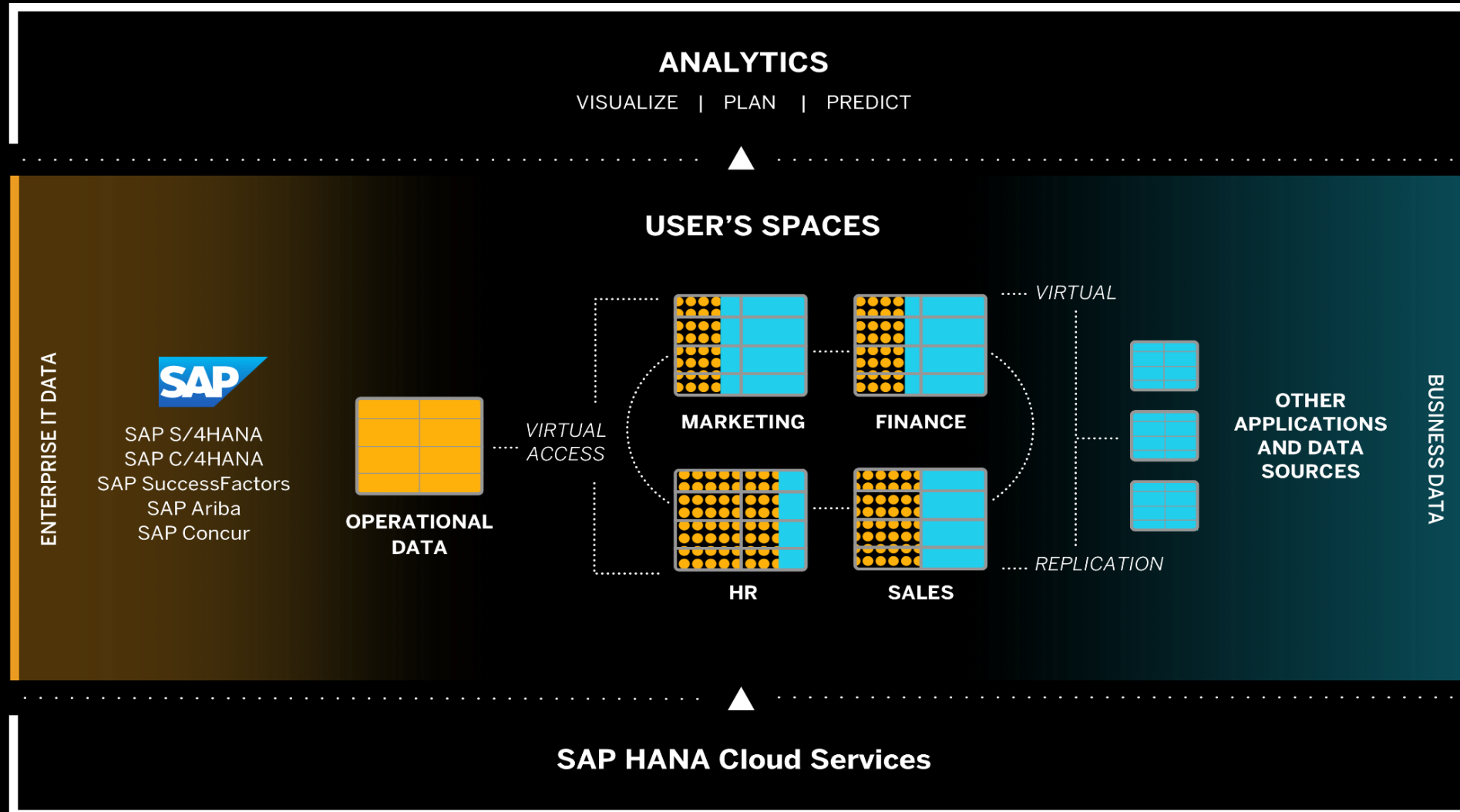
***Classic data warehouse** use cases that go across business applications and data sources: model, extract, clean, and map data from various sources to provide a consistent view of data*



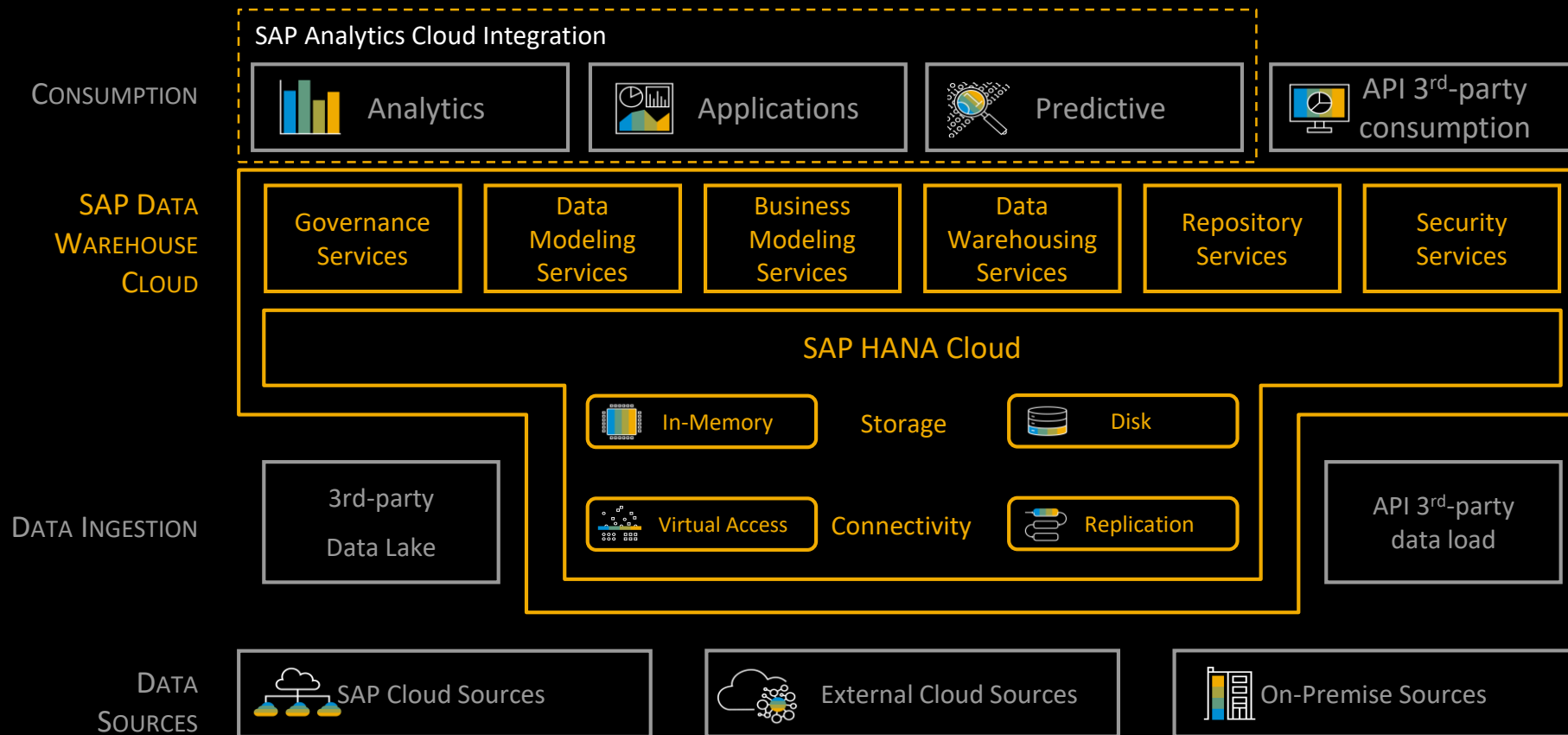
Architecture & Features

Concept of Spaces

Connect Data and Separate Resources



Architecture



A comprehensive approach to data warehousing for instant data-to-value

Governance **Services**

Space Management

- Cost control
- Storage and consumption statistics
- Space permissions
- Manage user assignment

Security

- User and role management

Administration

- Data Provisioning agent configuration

Spaces allow you to create an environment that fits the specific use-case or business line. You can assign users and connections to a specific Space and adjust the storage capacity according to your needs. Within an space, modeled objects will be stored. Besides being assigned to a space, users get access rights through predefined roles.



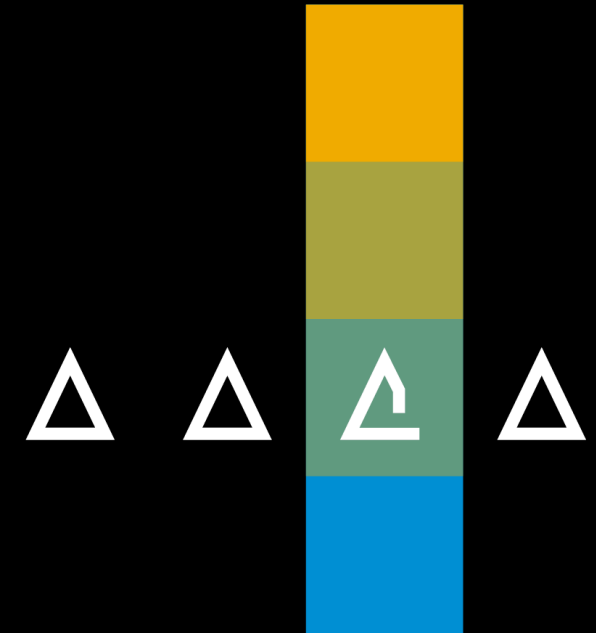
Data Sources & Ingestion

Remote source replication

Virtual access to remote data

Local File Upload (CSV, XLS)

- Automatic table creation based on uploaded file



Connections provide access to data from different systems. Based on HANA Cloud technology data can be replicated or accessed virtually. The local file upload allows for easy-to-use data models from scratch.

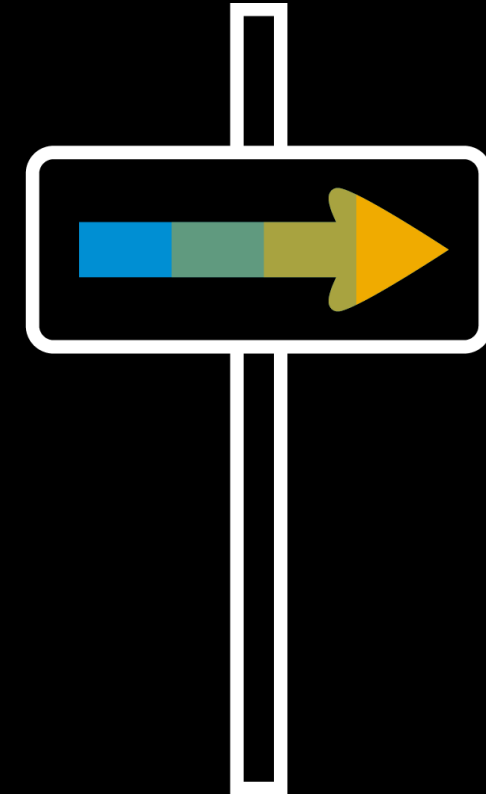
Repository **Services***

Automatic versioning of entities

Transport handling

Integration of Analytic Content Network

Text file-based export and import of entities



Repository services support the complete entity lifecycle handling. Automatic entity versioning allows for easy rollback of unwanted changes. Content existing on the Analytic Content Network can be made available in the Data Warehouse in seconds.

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* According to SAP Data Warehouse Cloud Road Map

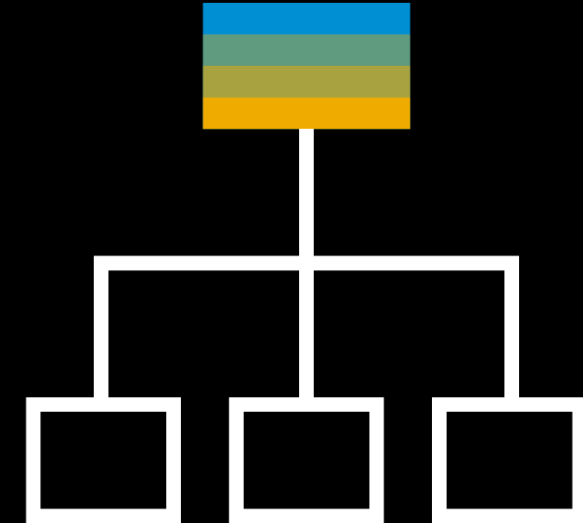
Data Modeling **Services**

Data Builder: Tables, Views, and Entity-Relationship Modeler

- In-editor real time data preview
- Model Import / Export

Business Catalog

- Browse existing data models and business entities



Data models help you to provide a trusted self-service data warehouse environment in your organization. Models are prepared, governed, and secured by system administrators. The data modeling services allow for defining how to access the data.

Business Modeling **Services***

Business user self-service offering tools for modeling business scenarios

Make reporting models independent from data models

Create a non-disruptive environment for business independent from changes in the data layer



The business modeling services offer a clear separation between semantic modeling (what) and data modeling (how). Business-focused modeling enables the definition of business scenarios without the need for knowledge about underlying data models.

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* According to SAP Data Warehouse Cloud Road Map

Data Warehousing **Services***

Data Transformation and Harmonization

- Data transformation modeling across all sources

ELT / ETL Process Support

- Scheduling functionality
- Process Monitoring

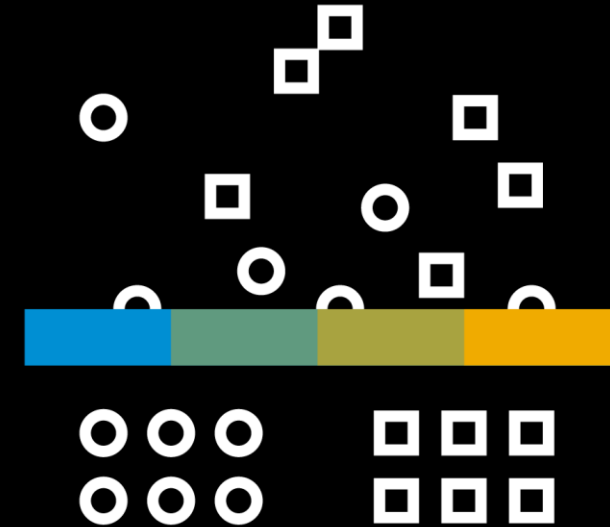
Data Auditing Functionalites

- Governed data changes

Slowly changing dimensions

Inventory management

Data Warehousing Services provide tools and functions required to combine and harmonize data in a unified, standardized way. Data changes are monitored and access to data sources can be handled in a managed manner.



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Security Services*

Data anonymization

- Protect personal or sensitive information
- Structured approach to modifying data for privacy protection while keeping the data sufficient for meaningful analysis
- Leverage SAP HANA Cloud k-anonymity and differential privacy features

Data masking

- Protect sensitive or confidential data
- Leverage SAP HANA Cloud Data Masking feature

Row-level security

- Restrict data access on row-level by predefined filters

Available security services like anonymization, data masking and row-level security provide the necessary means to protect your data from unwanted access.



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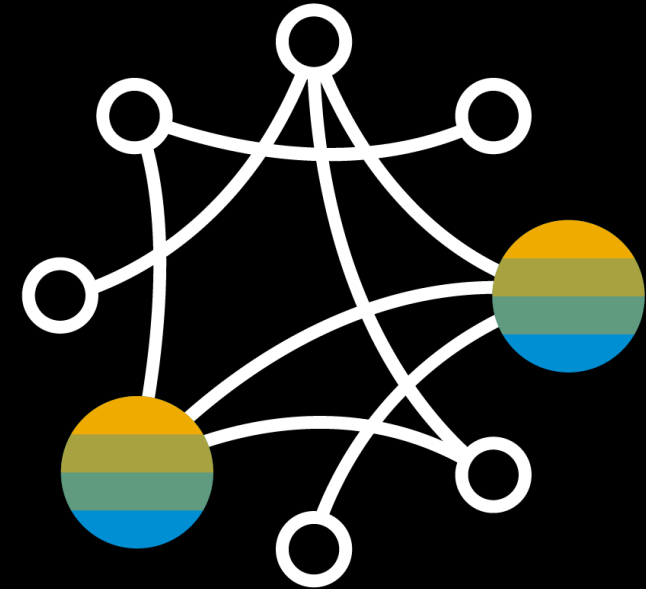
* According to SAP Data Warehouse Cloud Road Map

Consumption

Built-In SAP Analytics Cloud Integration

SAP Analytics Cloud Story Builder and Data Explorer

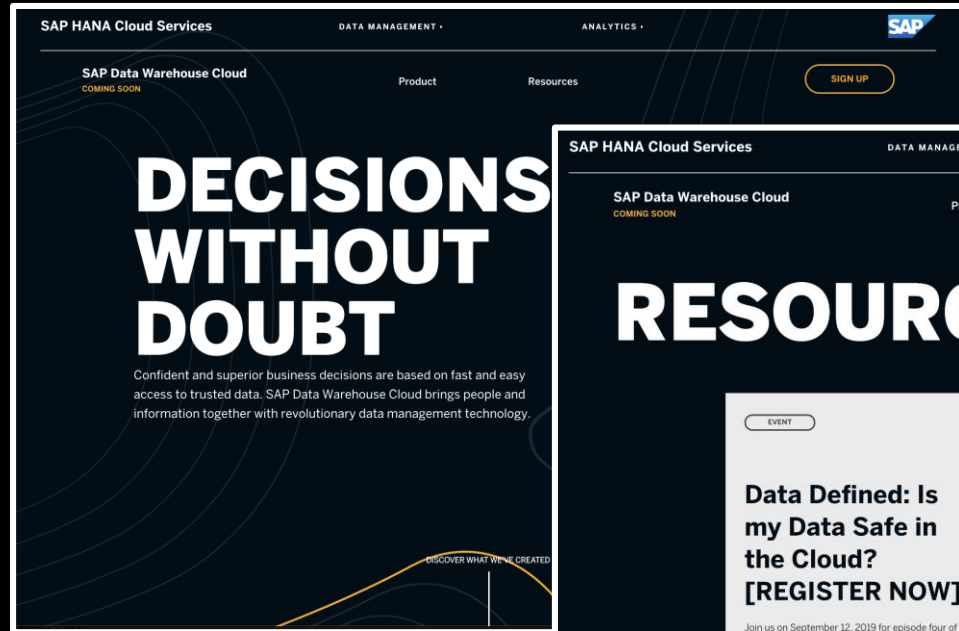
SQL Interface



Leverage the embedded SAP Analytics Cloud capabilities for integrated story building in SAP Data Warehouse Cloud. Connect your standalone SAP Analytics Cloud application or consume available data models with your SQL tool of choice.

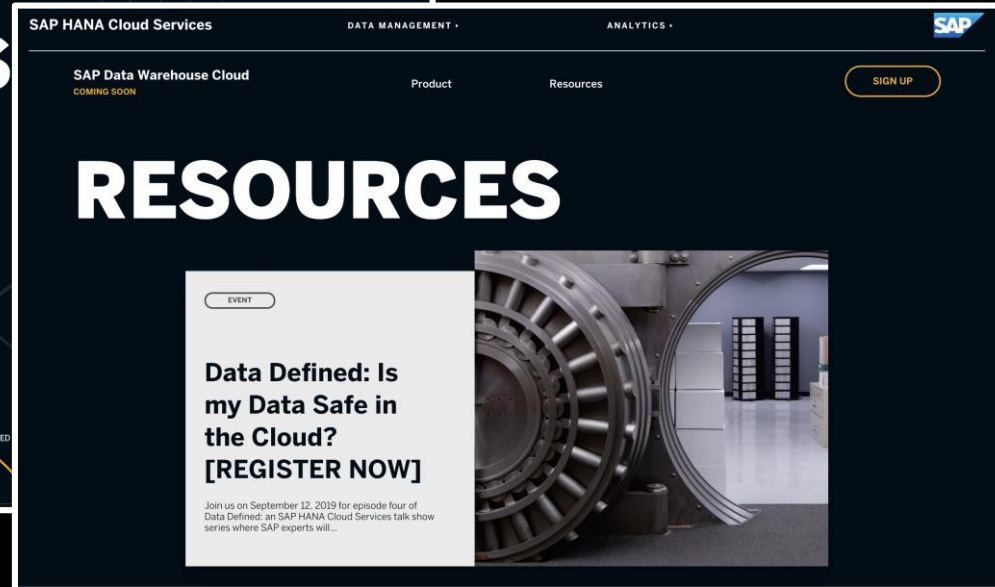
Next Steps

Where to find more information



01

SAP DATA WAREHOUSE CLOUD
PRODUCT SITE
sapdatawarehouse.cloud



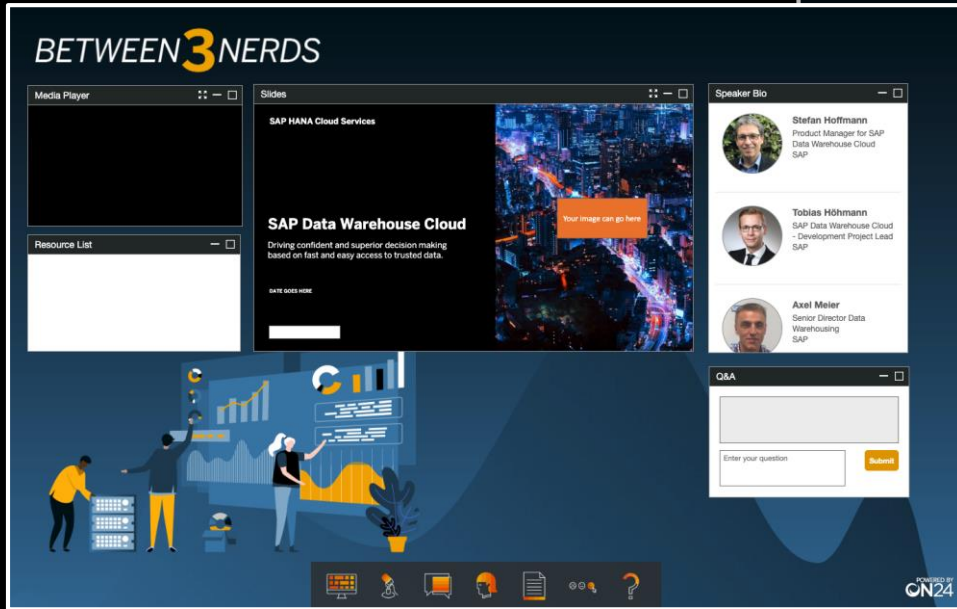
02

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WEBINAR
[LINK](#)

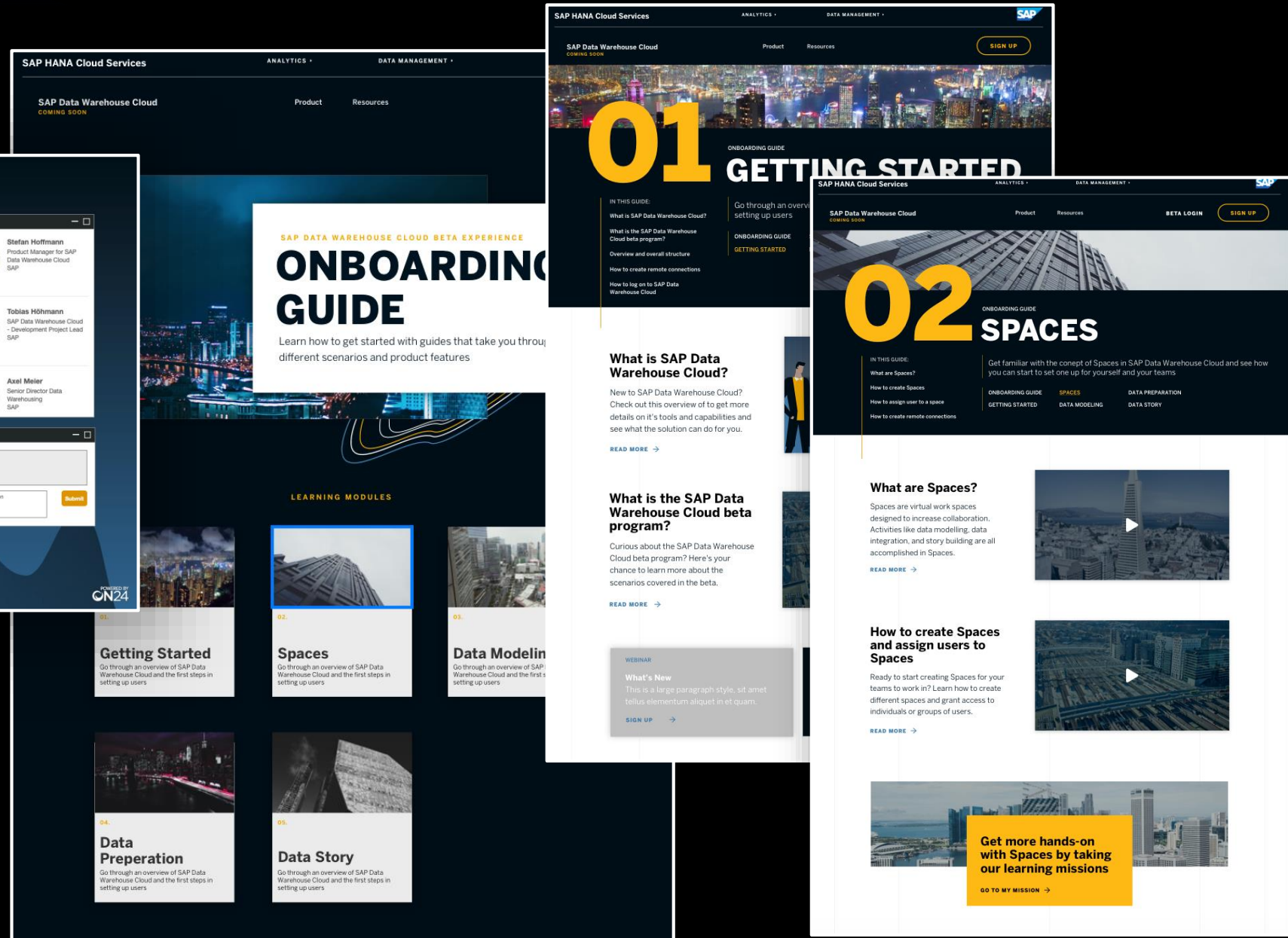
03

CHECK THE
SAP HELP PORTAL
[LINK](#)

Onboarding Guide



Find out more at
www.sapdatawarehouse.cloud



Community for SAP Data Warehouse Cloud

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Learning more about Spaces

Announcement11 views0 commentsStarted by [Shem](#)[General](#)

★⚙️

NEW DISCUSSION

Categories

Recent Discussions

Activity

<https://community.saphanacloudservices.com/data-warehouse-cloud>

TechEd Sessions* SAP Data Warehouse Cloud

* Can be subject to change

AIN107

Lecture: No Compromises: SAP SQL Data Warehousing and SAP Data Warehouse Cloud

AIN108

Lecture: SAP Analytics Cloud and SAP Data Warehouse Cloud: A Match Made in Heaven

AIN366

Hands-On: Build Your Own Conversational Bot in Two Hours with SAP Conversational AI

AIN376

Hands-On: SAP Analytics Cloud, SAP BW/4HANA, and SAP Data Warehouse Cloud

AIN377

Hands-On: Agile Semantic Modeling with SAP Data Warehouse Cloud

AIN378

Hands-On: How Does It Work? Modeling a Data Warehouse with SAP Data Warehouse Cloud

AIN379

Hands-On: Integrating Cloud Applications from SAP into SAP Data Warehouse Cloud

AIN836

Roadmap: SAP Data Warehouse Cloud: Road Map





Vielen Dank!!

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