SAP Data Warehouse Cloud
EDW Strategy & Virtual Hands-On Workshop

SAP Data Warehouse Product Management
45m **Overview SAP EDW Strategy & SAP Data Warehouse Cloud**

15m **Q&A**

30m **Break**

2h **SAP Data Warehouse Cloud Hands-On** *(optional)*
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SAP HANA Cloud Services

**SAP HANA Cloud**
Manage your data storage, federation, and run powerful applications with the power of SAP HANA in the cloud

**SAP Data Warehouse Cloud**
End-to-end data warehouse in the cloud that combines data management processes with advanced analytics

**SAP Analytics Cloud**
Analytics technology – business intelligence (BI), planning, and predictive analytics – in a single solution
SAP Data Warehousing
Statement of Direction

SAP continues to innovate industry leading data warehousing technologies with SAP Data Warehouse Cloud, SAP SQL Data Warehousing, and SAP BW/4HANA to enable the Intelligent Enterprise. SAP Data Warehouse Cloud will not replace any on-premises SAP Data Warehousing solution, but complements the existing data warehouse portfolio of SAP.

**SAP BW/4HANA** and **SAP SQL Data Warehousing** are the strategic solutions for on-premises and private cloud data warehousing.

**SAP Data Warehouse Cloud** extends your existing data warehousing investment to support **hybrid cloud**.

**SAP Data Warehouse Cloud** is the strategic public cloud product offered as a software service managed by SAP.
Typical scenarios for SAP Data Warehouse Cloud

**Extend Data Warehousing**
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

- **Connect Data** without duplication that crosses business applications and data sources: model, connect, clean, and map data from various sources to provide a consistent view of data
The Solution: Spaces empower LOB users while maintaining security and governance

Spaces are virtual
- Constantly Up-to-date
- Managed Subset
- Linked
- Secure

Spaces empower users
- Sandbox environment
- Connect to data in central Space with new or 3rd party data
- Analyze, plan, predict
- Create Stories

Users interact and share data inside virtual spaces within zone of security, governance, and trust

IT Support throughout
The business layer will enable BI analysts to model using business terminology and allow for demand-driven & top-down modeling in addition to data-driven modeling.

- Ensure one business layer object concept
  - Conceptual model of dimensions, analytical data sets, queries, calculated and restricted measures and hierarchies
- Act as contract and interface for consumption that abstracts from underlying data-layer
- Complement data-layer row level security by additional data restrictions depicting user responsibilities
- Enable governance on business entities (LoB driven)
Bring all your data together virtually regardless of who manages it or where it is stored

- Empower business users and administrators to easily leverage SAP & non-SAP data sources
- Easily mix cloud and on-premise data to discover new insights
- Connect data efficiently without copying it
- Open to 3rd-party tools for access to many data sources

Elastically connecting all data efficiently and without unnecessary data duplications
A comprehensive approach to data warehousing for instant data-to-value
SAP Data Warehouse Cloud & SAP BW/4HANA
Positioning

SAP Data Warehouse Cloud

- Public cloud, in-memory Data Warehouse service
- Self-service data modeling capabilities
- Extend and adapt enterprise data models
- Leverage SAP BW/4HANA meta data objects and semantics

HYBRID

- Tight integration of on-prem scenarios like SAP S/4HANA or SAP BW/4HANA
- Extend on-prem data with cloud data to enhance models with local data for broader insights

SAP BW/4HANA

- EDW application approach on-prem and private Cloud
- Agile Data Mart for LoB users in conjunction with SAP Data Warehouse Cloud
- A pre-packaged data warehousing solution
- Acting as enterprise-wide ‘single-version of the truth’

SAP S/4HANA

SAP SuccessFactors
Data Sources & Ingestion: 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 metadata model 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 OLAP engine

- Remote or replicated data consumption scenarios supported with SAP BW & SAP BW/4HANA

- Metadata model migration support for SAP BW/4HANA only via SAP BW/4HANA Model Transfer connection*
SAP BW Integration: Virtual & Replicated Data Consumption Scenarios

- Virtual or replicated data access available for InfoObject characteristics, InfoProviders, Query as InfoProviders (subset of OLAP capabilities), generated external SAP HANA views
- Connection via SAP ABAP adapter (Operational Data Provisioning framework) or SAP HANA connection
- Usable with any BW system that either supports the minimum Operational Data Provisioning framework requirements (ABAP connection) or runs on a SAP HANA database (SAP HANA connection)
- Replicated data consumption on data layer level, no migration of existing BW metadata to Data Warehouse Cloud native entities
- OLAP calculations done on BW side
SAP BW Integration: SAP BW/4HANA Model Transfer Connection

- Provide SAP BW/4HANA metadata models to SAP Data Warehouse Cloud*
- Enable staging scenarios for SAP BW/4HANA data & virtual models*
- Transfer BW Query as native DWC 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, OLAP execution happens in SAP Data Warehouse Cloud
Flexible and simplified package pricing or pay for what you use
Keeping you in control

PREDICTABLE
Choose what you need and spend what you plan.

FLEXIBLE
Start small and grow at your pace. Add remove, and reallocate resources as needed.

TRANSPARENT
What you see is what you get, no hidden costs.

SIMPLE
Get all the features you need in one package.

BENEFITS
- Avoid surprises with clear terms and all-inclusive packaging
- Gain control into usage and consumption
- Avoid lock-in with flexibility on usage, terms, and spending

One product, all features with total cost transparency
More Information about SAP Data Warehouse Cloud

Find out more at www.sapdatawarehouse.cloud

- Onboarding Guide
- Free Trial
- Blogs
- Community
- SAP Help Documentation
- Calculator
- Sample Content on GitHub
- Provide your feedback:
Adopt
Early Adopter Care Program Data Warehouse Cloud

Early Adopter Care* enables customers to get support with your early implementation of SAP Data Warehouse Cloud via an Early Adoption Care program in close collaboration with SAP with a dedicated back-office support infrastructure in place to safeguard your project and minimize risks.

What is in for you?
- Preferred message handling
- Dedicated development contact and project coach who will stay in contact with the project lead
- 3 months FREE access to SAP Learning Hub (ALL content) for 5 users
- Option to influence direction of future releases with your feedback

How to get engaged with us?
- Visit https://influence.sap.com/sap/ino/#campaign/2004 and register your company for this opportunity

Key Data
- Registration Start (at RTC): November 4, 2019

Further information: Service Brief

Prerequisites:
- Participation in the Early Adopter Care program is voluntary, at the sole discretion of SAP, and dependent on the following prerequisites:
  - Valid Licenses
  - Immediate desire to start a productive implementation
  - Go-live within EAC program timeline
  - Product fit

*These services complement SAP support services, and are available to all customers with a valid SAP license and maintenance contract. Please note that not all services are available for all SAP products.
Thank you. Ready for Hands-On?

SAP Data Warehouse Cloud
Product Management
Hands-On (Optional)

Modeling Hands-On: Focuses on in-depth modeling activities

Open SQL Schema Hands-On: Focuses on exploring the Open SQL Schema capabilities

If you want to participate, send an e-mail to jascha.kanngiesser@sap.com