

SAP Data Warehouse Cloud

EDW Strategy & Virtual Hands-On Workshop

SAP Data Warehouse Product Management

PUBLIC



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

TECHNOLOGIES



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.









ON-PREMISES

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

HYBRID



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

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

Typical scenarios for SAP Data Warehouse Cloud



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



GOVERNANCE SECURITY

Spaces empower users

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

3rd Party data loaded directly into spaces rather than being mixed outside the zone of trust

ELASTIC

SECURE

SINGLE TRUTH

TRUSTED

REPEATABLE

GOVERNED

REAL-TIME

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

IT Support throughout

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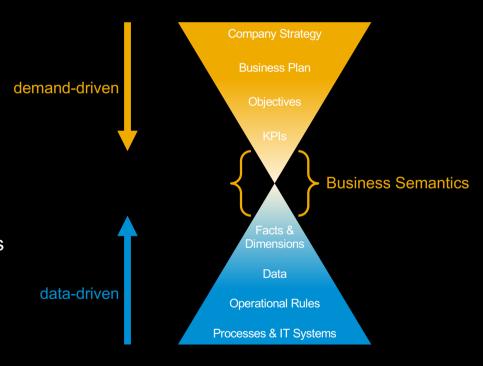
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Business Layer

Statement of Direction

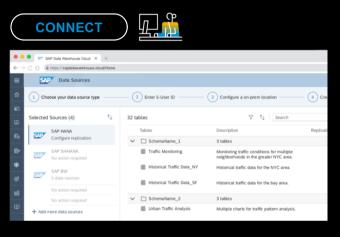
The business layer will enable BI analysts to model using business terminology and allow for demand-driven & top-down modeling in addition to data-driven modeling.

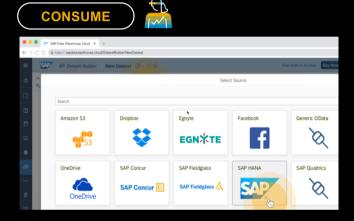
- Ensure one business layer object concept
 - Conceptual model of dimensions, analytical data sets, queries, calculated and restricted measures and hierarchies
- Act as contract and interface for consumption that abstracts from underlying data-layer
- Complement data-layer row level security by additional 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

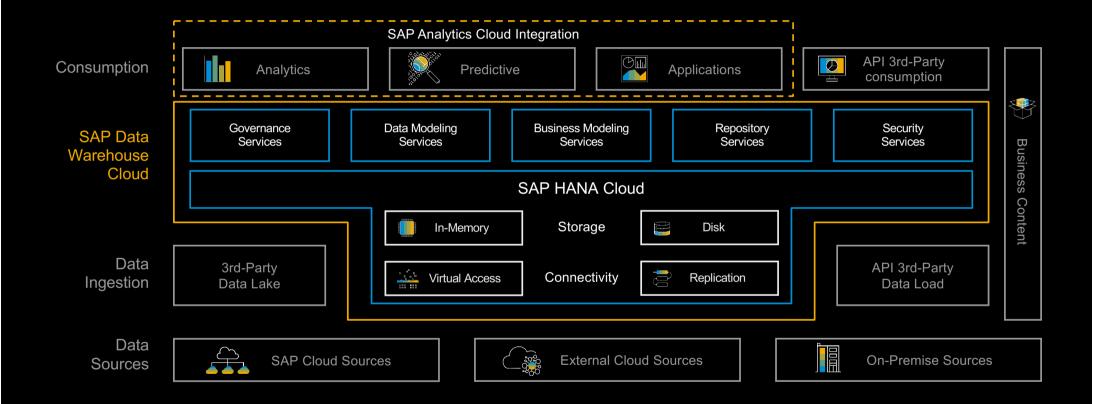






Elastically connecting all data efficiently and without unnecessary data duplications

Architecture

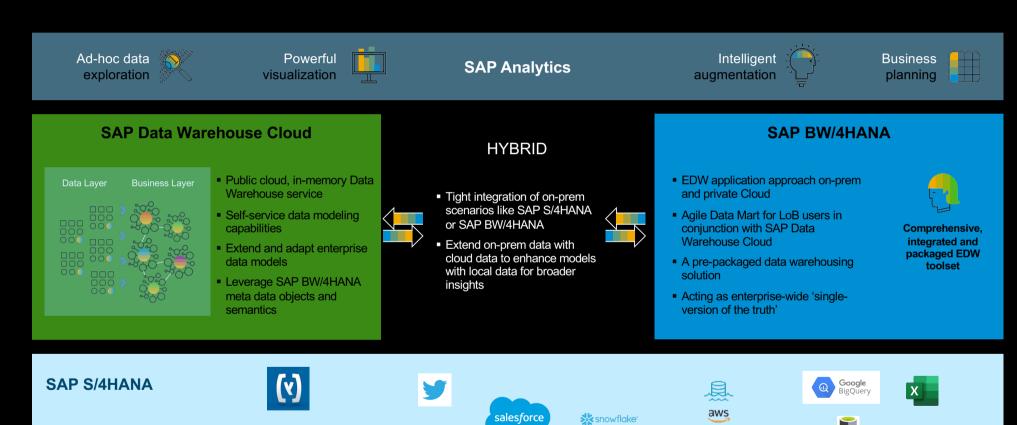


A comprehensive approach to data warehousing for instant data-to-value

SAP Data Warehouse Cloud & SAP BW/4HANA

SAP SuccessFactors

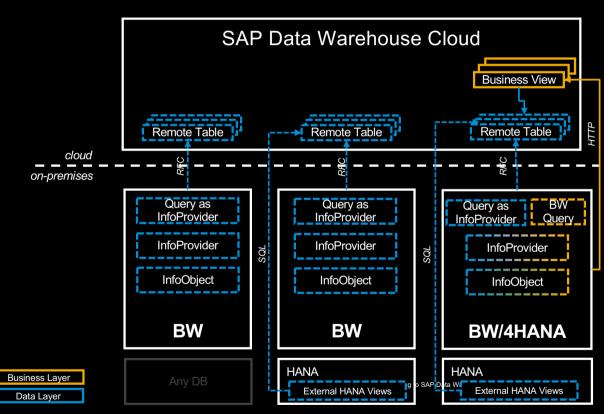
Positioning



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*

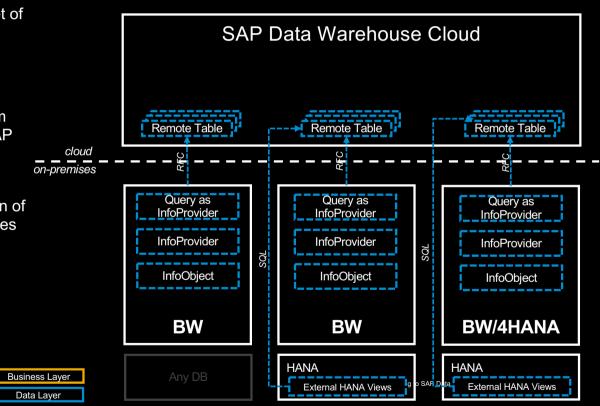


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SAP BW Integration: Virtual & Replicated Data Consumption Scenarios



- 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

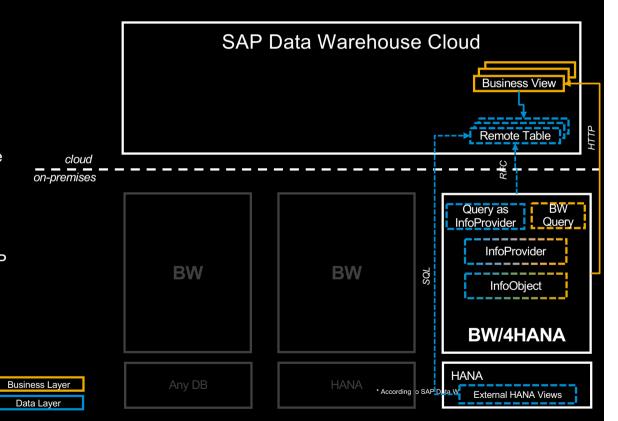


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SAP BW Integration: SAP BW/4HANA Model Transfer Connection

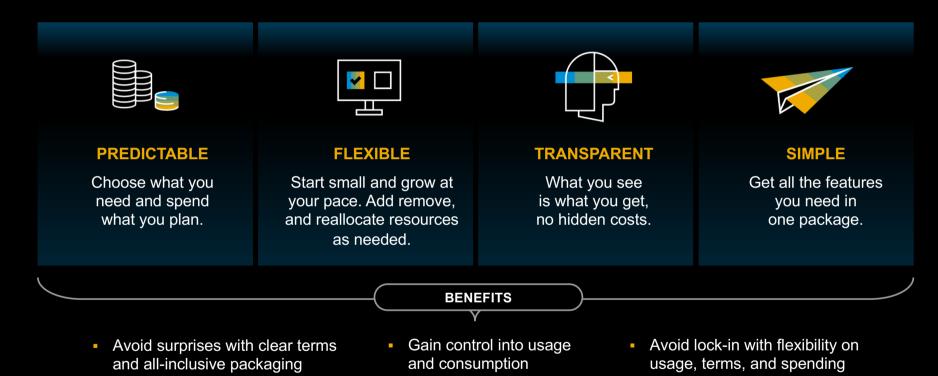


- Provide SAP BW/4HANA metadata models to SAP Data Warehouse Cloud*
- Enable staging scenarios for SAP BW/4HANA data & virtual models*
- Transfer BW Query as native DWC entity (KPI, analytic model)*
- Support BW Analysis Authorizations in SAP Data Warehouse Cloud*
- Hierarchy Support (virtual, available 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



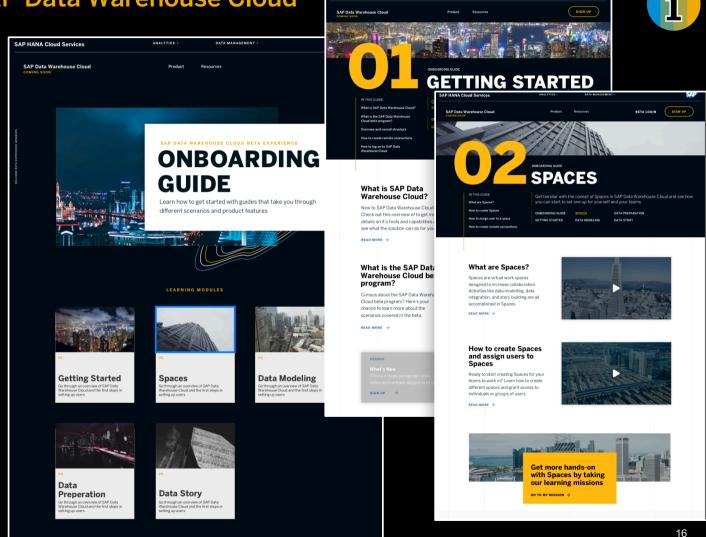
One product, all features with total cost transparency

More Information about SAP Data Warehouse Cloud



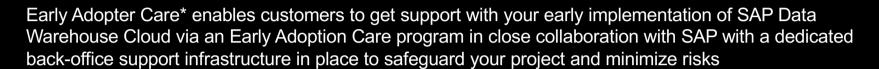
- Onboarding Guide
- Free Trial
- Blogs
- Community
- SAP Help Documentation
- Calculator
- Sample Content on <u>GitHub</u>
- Provide your feedback:

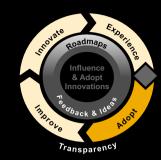




Adopt

Early Adopter Care Program Data Warehouse Cloud





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:

Pologeo

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

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 capabitilites

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