



Extend SAP BW/4HANA with SAP Data Warehouse Cloud

Session ID : ANA262

Ingo Hilgefort, SAP Solution Management
Gordon Witzel, SAP Product Management

PUBLIC

Disclaimer

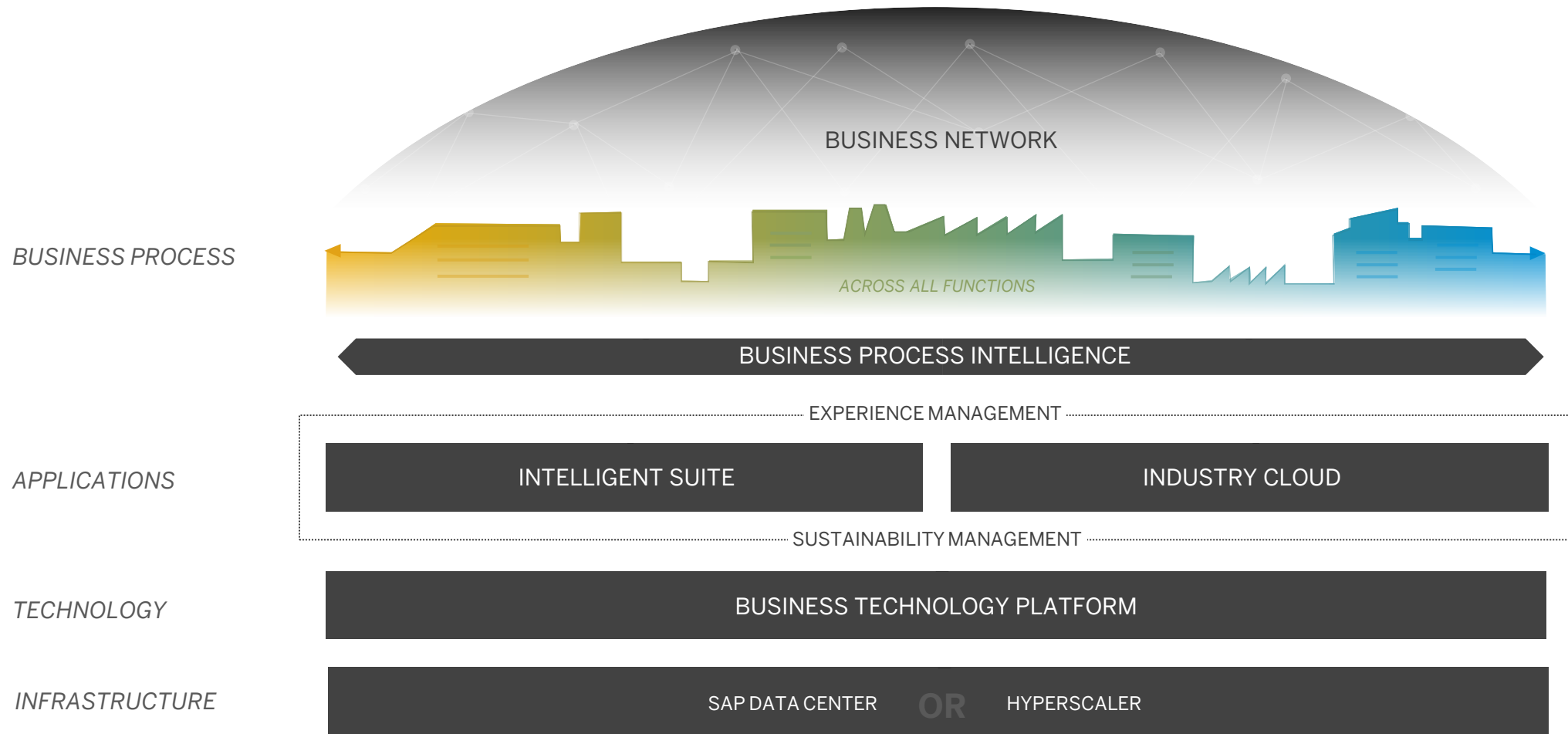
The information in this presentation is confidential and proprietary to SAP and may not be disclosed without the permission of SAP. Except for your obligation to protect confidential information, this presentation is not subject to your license agreement or any other service or subscription agreement with SAP. SAP has no obligation to pursue any course of business outlined in this presentation or any related document, or to develop or release any functionality mentioned therein.

This presentation, or any related document and SAP's strategy and possible future developments, products and or platforms directions and functionality are all subject to change and may be changed by SAP at any time for any reason without notice. The information in this presentation is not a commitment, promise or legal obligation to deliver any material, code or functionality. This presentation is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. This presentation is for informational purposes and may not be incorporated into a contract. SAP assumes no responsibility for errors or omissions in this presentation, except if such damages were caused by SAP's intentional or gross negligence.

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.

INTELLIGENT ENTERPRISE

Evolved Vision.



SAP Data Warehousing Portfolio Overview



On-premises

SAP BW/4HANA



Private Cloud

SAP BW/4HANA Cloud,
private edition
SAP BW NetWeaver Cloud,
private edition



Public Cloud

SAP Data Warehouse Cloud

Statement of Direction.

Direction to the cloud & flexibility to move your own pace

SAP continues to innovate Data Warehousing to enable the Intelligent Enterprise.

SAP BW & BW/4HANA

Safeguard investments by retaining mature and complex on-premises systems or move to the private cloud – in support of the “RISE with SAP” strategy.

With long-term support [commitment until 2040](#), SAP BW/4HANA remains a key solution in SAP’s portfolio and will be improved in the hybrid capabilities.

SAP Data Warehouse Cloud

Innovate with SAP’s strategic target solution for all data warehousing use cases, in line with our data-to-value portfolio strategy.

SAP Data Warehouse Cloud provides unique innovation beyond classical data warehousing – driving agility, business empowerment and time-to-value.



Hybrid deployment option

1 Innovate with SAP Data Warehouse Cloud while extending SAP BW or BW/4HANA – transferring data models

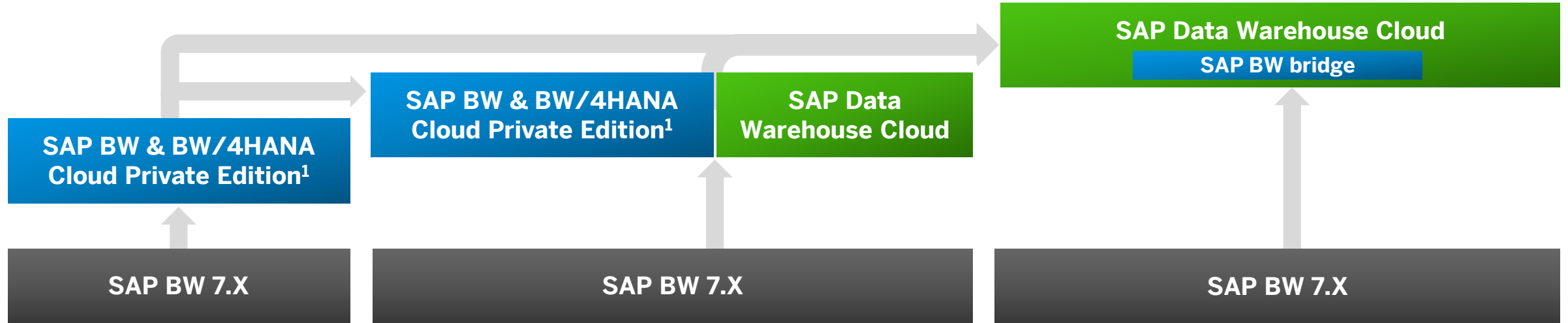
Re-use & integration option

2 Leverage the BW-based data ingestion & staging options with a tool-supported move* (planned for Q1 2022)

Innovation Journeys for SAP BW Customers

Available today

Flexibility to gradually extend & move at your own pace



SAP BW & BW/4HANA Cloud

Safe-guard investments by lifting existing landscape to the cloud – “RISE with SAP”

SAP BW/4HANA & Data Warehouse Cloud Hybrid

Combine the strengths of SAP BW/4HANA with the innovation, openness, and self-service abilities of SAP Data Warehouse Cloud in a hybrid scenario

SAP Data Warehouse Cloud, SAP BW bridge

Re-use and integrate SAP BW-based data ingestion and staging (incl. ABAP code) in SAP Data Warehouse Cloud (tool-supported move*)

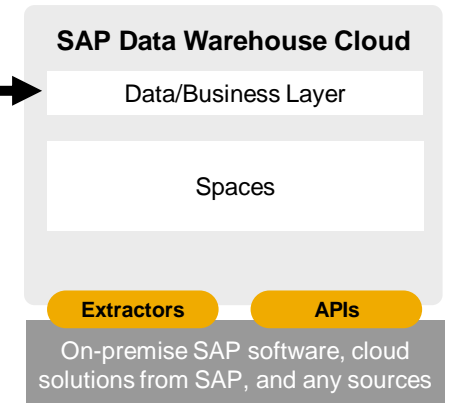
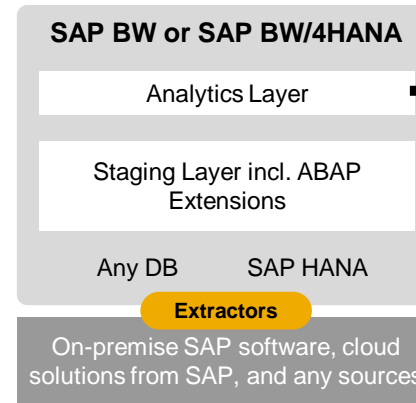
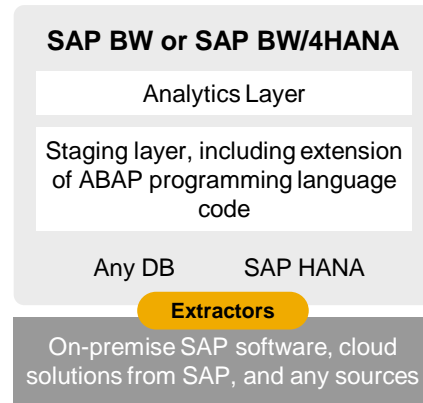
* According to the [SAP Data Warehouse Cloud Roadmap](#)

¹ SAP BW/4HANA is fully supported until 2040 and can also be deployed on-premises if desired

Customer Options: SAP BW with SAP Data Warehouse Cloud

Hybrid

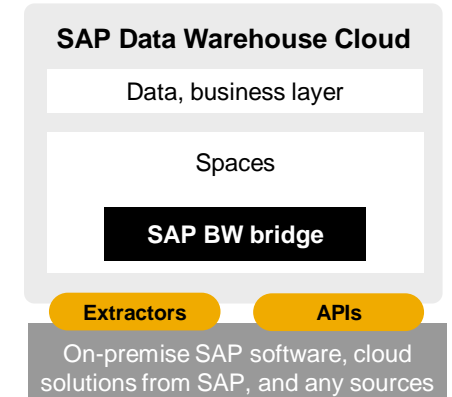
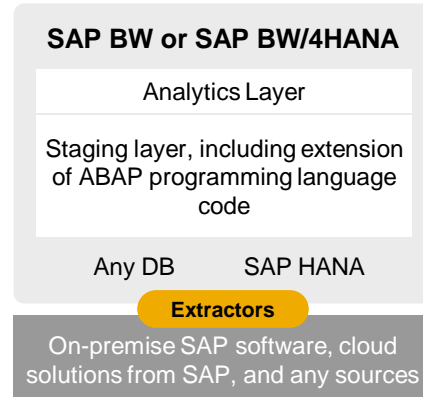
Combine the SAP Business Warehouse application (SAP BW) or the SAP BW/4HANA solution with the SAP Data Warehouse Cloud solution



Federation and reuse of metadata

SAP BW bridge

Replace SAP BW or SAP BW/4HANA with SAP Data Warehouse Cloud

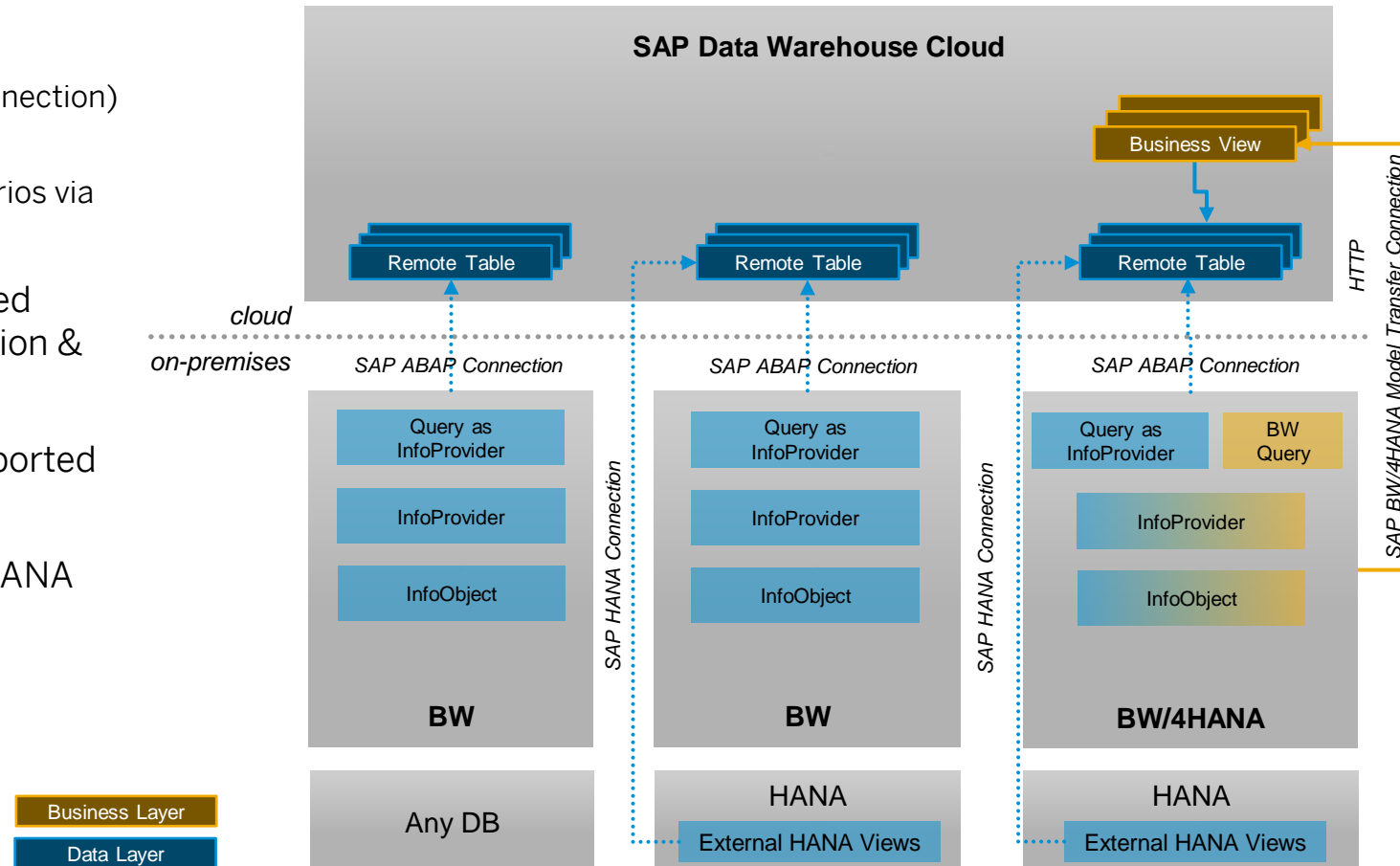


Move
Tool-supported conversion including data

Switch from hybrid to SAP Data Warehouse Cloud with the SAP BW bridge

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

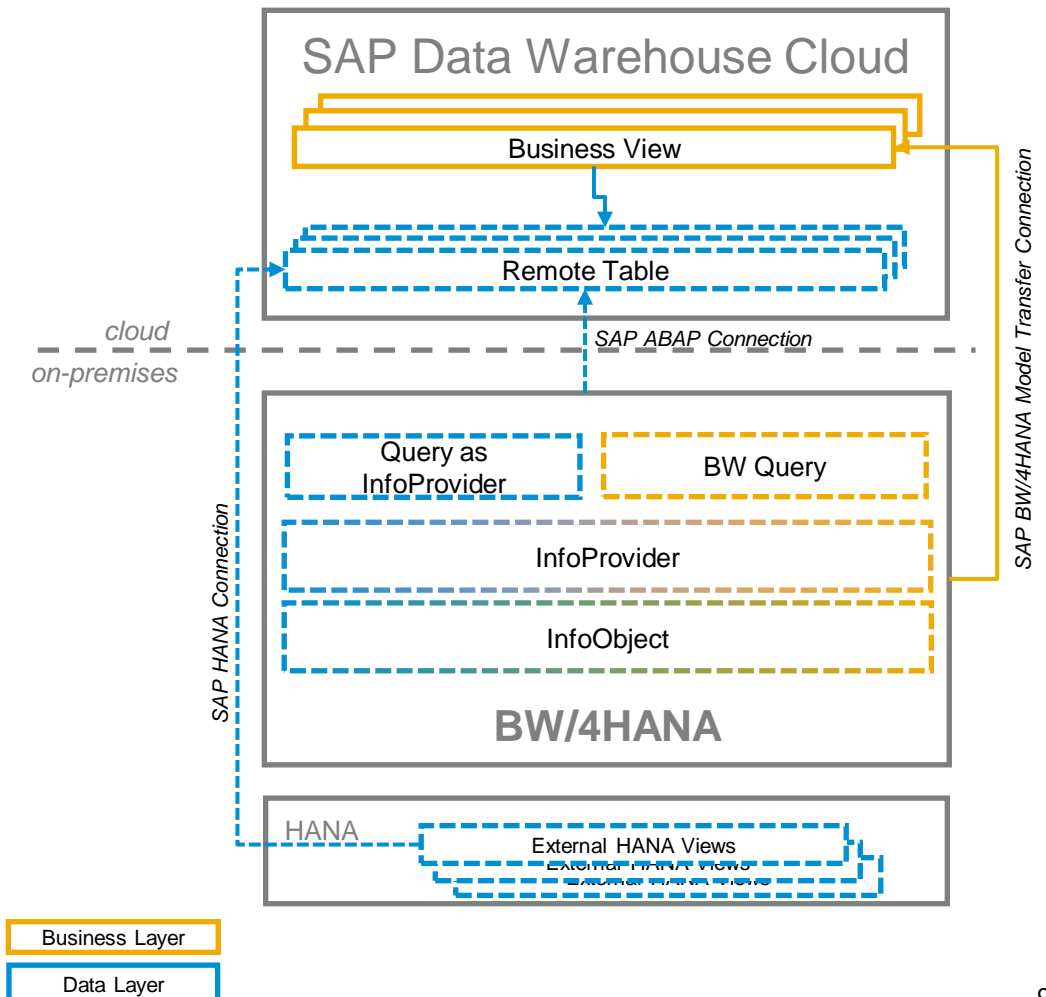


Technical Prerequisites

Setup



- 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 DWC entity (KPI, analytic model)*, standalone InfoProvider & InfoObject
- 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
- No automated propagation of changes to BW Query in SAP Data Warehouse Cloud



SAP BW bridge – Key capabilities and value proposition

What is the SAP BW bridge?

A **planned** SAP Data Warehouse Cloud **feature** that provides a path to the public cloud for customers of SAP NetWeaver BW and SAP BW/4HANA

Offers SAP BW capabilities directly in SAP Data Warehouse Cloud:

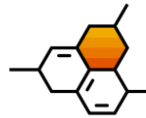
- **Connectivity and business content**, providing proven SAP BW–based data integration (extractors) from SAP ECC and SAP S/4HANA
- **Enterprise-ready staging layers** of SAP BW for managing data loading with partitioning, monitoring, error handling
- **Tool-supported move** of SAP BW–based integration and staging (from Q1 2022)

What are the key value propositions?



Reuse for business continuity

Leverage SAP BW data structures, transformations, customizations, and skills – quickly extending your investments in SAP BW to the public cloud.



Connect with confidence

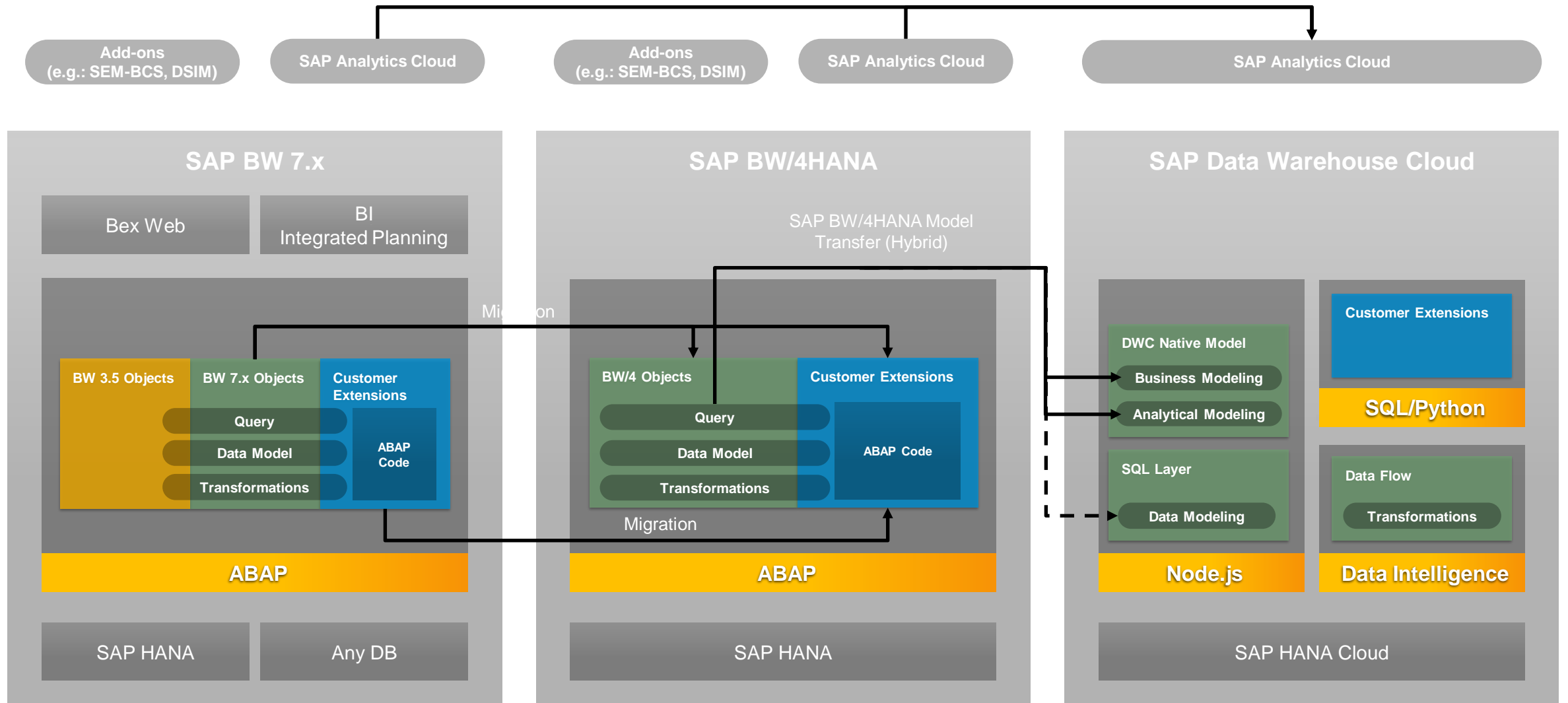
Integrate on-premise SAP Business Suite data with familiar connectivity and semantic richness – retaining instant access while expanding your analytics depth.



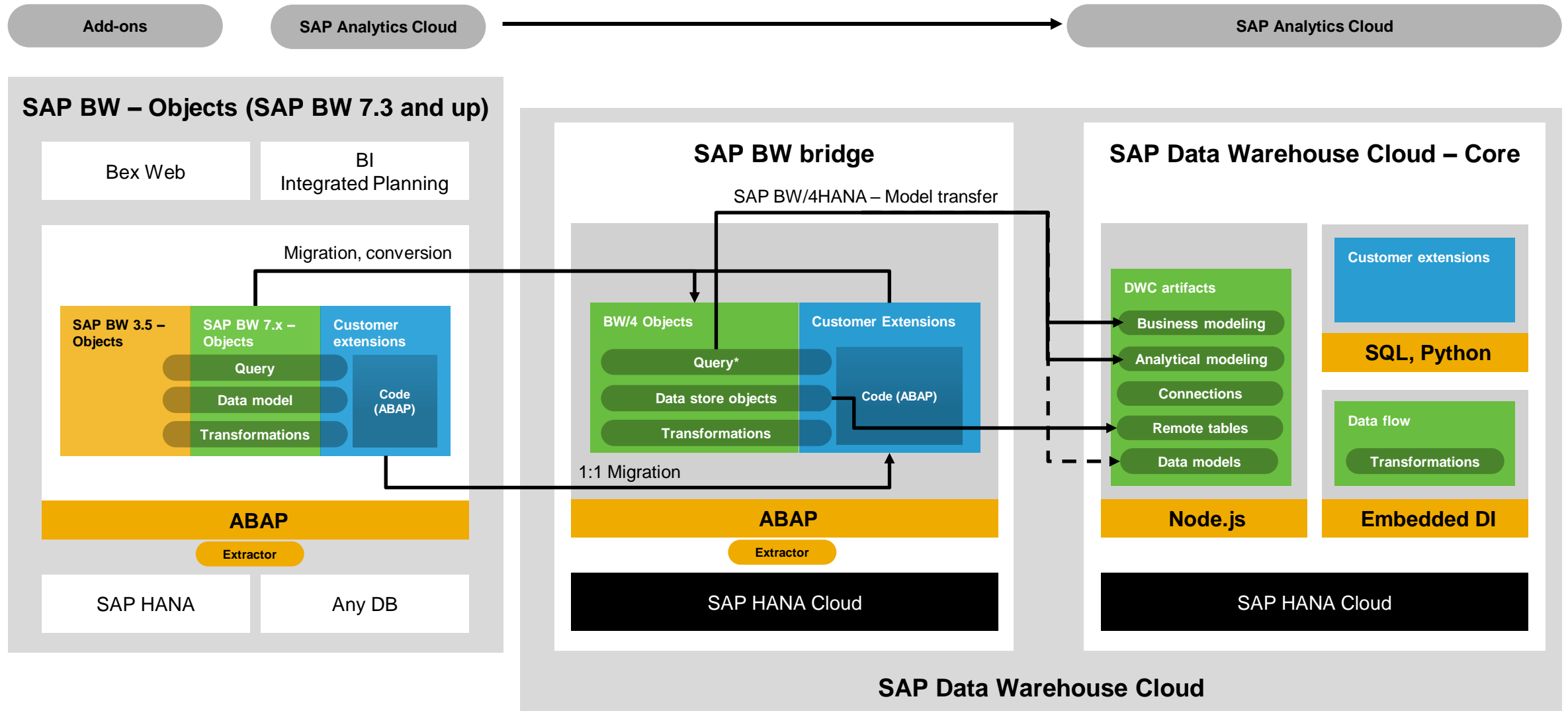
Innovate with cloud agility

Empower your business to rapidly innovate on data from SAP BW with an open, unified data and analytics cloud service – scaling innovation and efficiency in the cloud.

TODAY: SAP BW to SAP Data Warehouse Cloud

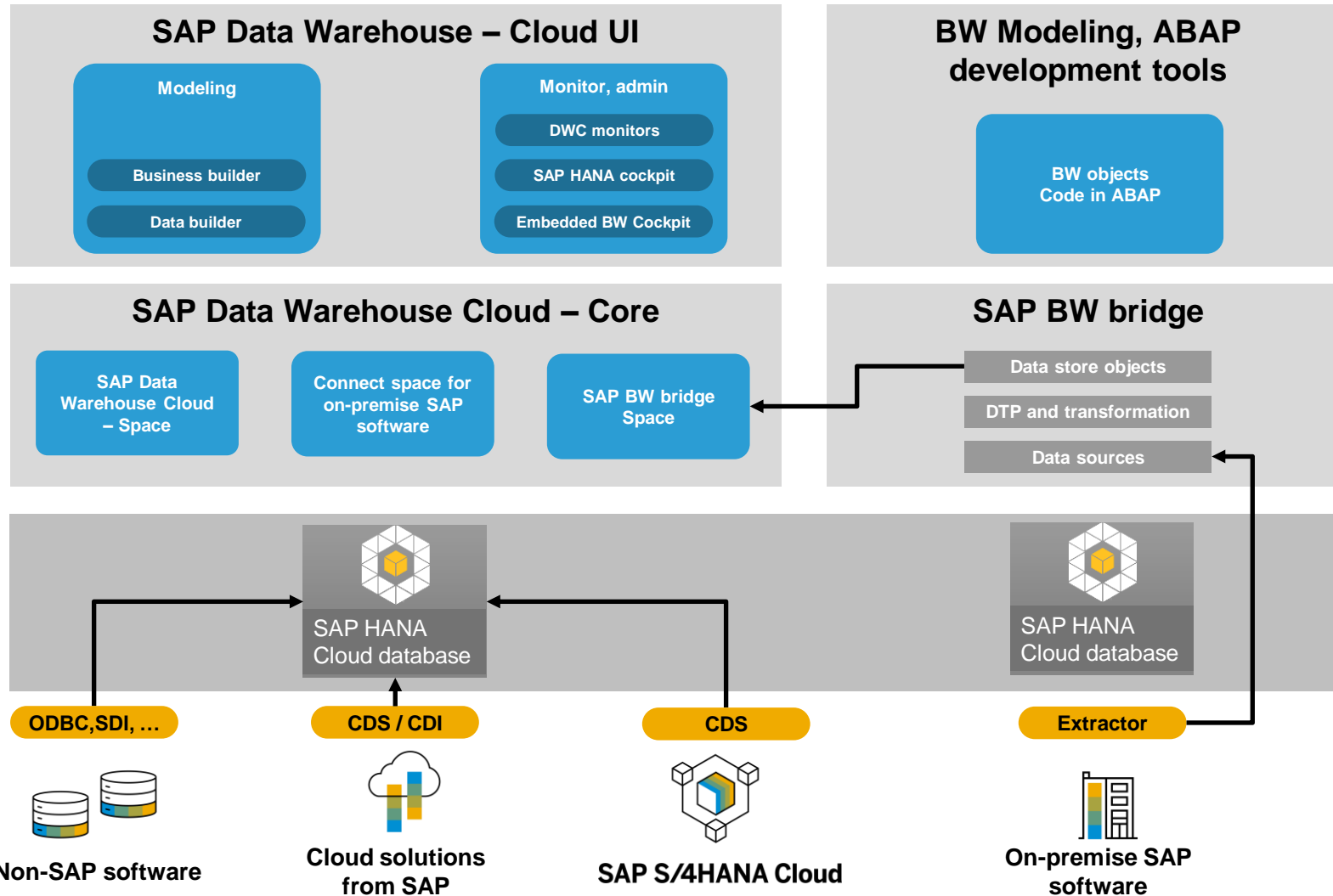


SAP BW bridge – SAP BW to SAP Data Warehouse Cloud

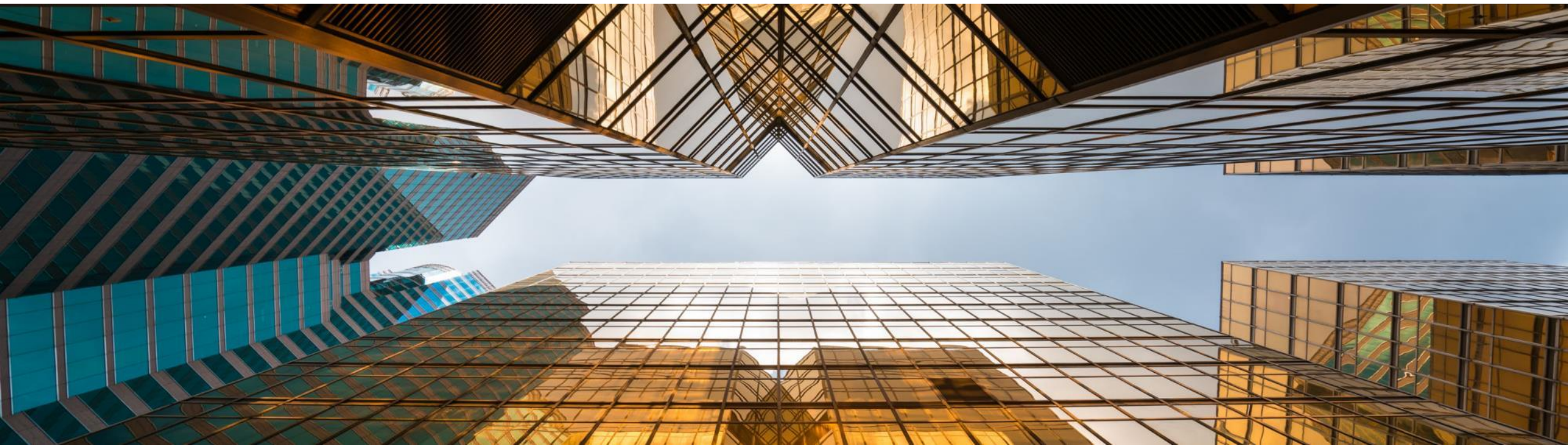


* Not visible or executable

SAP Data Warehouse Cloud, SAP BW bridge – Overview of data integration



Demo



Learning offerings from SAP TechEd accelerate your career

Upskill to stand out from the crowd



Check learning.sap.com/teched to benefit like other certified experts:

61%*

Get promotions

76%*

Greater job satisfaction

91%*

Genuine benefits seen



**Accelerate your career:
Become an SAP solution expert**

- Prepare for a certification in SAP Business Technology Platform with **SAP Learning Journey guides** and **live sessions**
- Benefit from the **event-exclusive certification offer**



**Expand your
conference experience**

- Follow **learning recommendations for selected sessions** to help you drive business and career success
- Ask questions in the **SAP-moderated learning group for SAP TechEd** – also available after the event



* Pearson VUE, [Study Reveals Value of IT Certification in Challenging Times](#), 2021.

Thank you.

Contact information:

Ingo Hilgefort

SAP Solution Management Data Warehousing

Ingo.Hilgefort@sap.com

Gordon Witzel

SAP Product Management Data Warehousing

gordon.witzel@sap.com

Follow us



www.sap.com/contactsap

© 2021 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platforms, directions, and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. 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, and they should not be relied upon in making purchasing decisions.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies.

See www.sap.com/trademark for additional trademark information and notices.