

BTP and a Modern Analytics Architecture

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NIMBL



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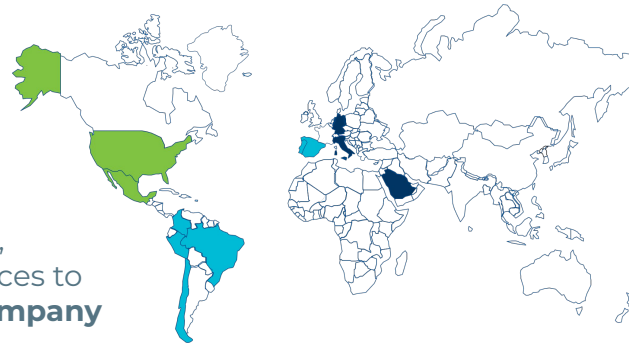
OUR PURPOSE

We transform our clients into **digital, sustainable leaders** through innovation

OUR PRESENCE

2200+
People

An inclusive mix of cultures, competences, attitudes and experiences to create **One Unique Company**



GROWTH

\$250 M
Revenue

Double digit growth
year over year
since 2004

WHAT WE DO

Digital Advisory
Software Atelier
System Integration

INDUSTRY FOCUSED APPROACH



Supporting both Fortune 500 and Midmarket in 15 industry sectors

HYBRID BY DESIGN

The **premium quality** of local niche players, the **coverage & portfolio** of global partners

Creating sustainable value for our customers

WITH OUR 3-PILLARS OFFERING



Rethink and explore new business models to become digital market leaders



Digital Advisory

Digital journeys & new business models

(eg. Intelligent Automation, Industry 4.0 Transition, Innovation as a Service, Customer Engagement Redesign, As a Service Business Models and Intelligent Products, ESG business value...)



Be more resourceful, productive, efficient and cost-effective



System Integration

Core & extended business processes, high-value managed services

(eg. Supply Chain, Operations, Logistics, Smart Manufacturing, Finance, Management Control, Sales, Marketing, Field Services, Human Capital Management...)



Extend their traditional offering to provide new value-added, more sustainable, intelligent products and services



Software Atelier

Ready to use applications & tailored cloud solutions

(eg. connected products, digital customer engagement, B2B and D2C digital sales solutions, cloud native solutions, advanced analytics, intelligent data platforms...)

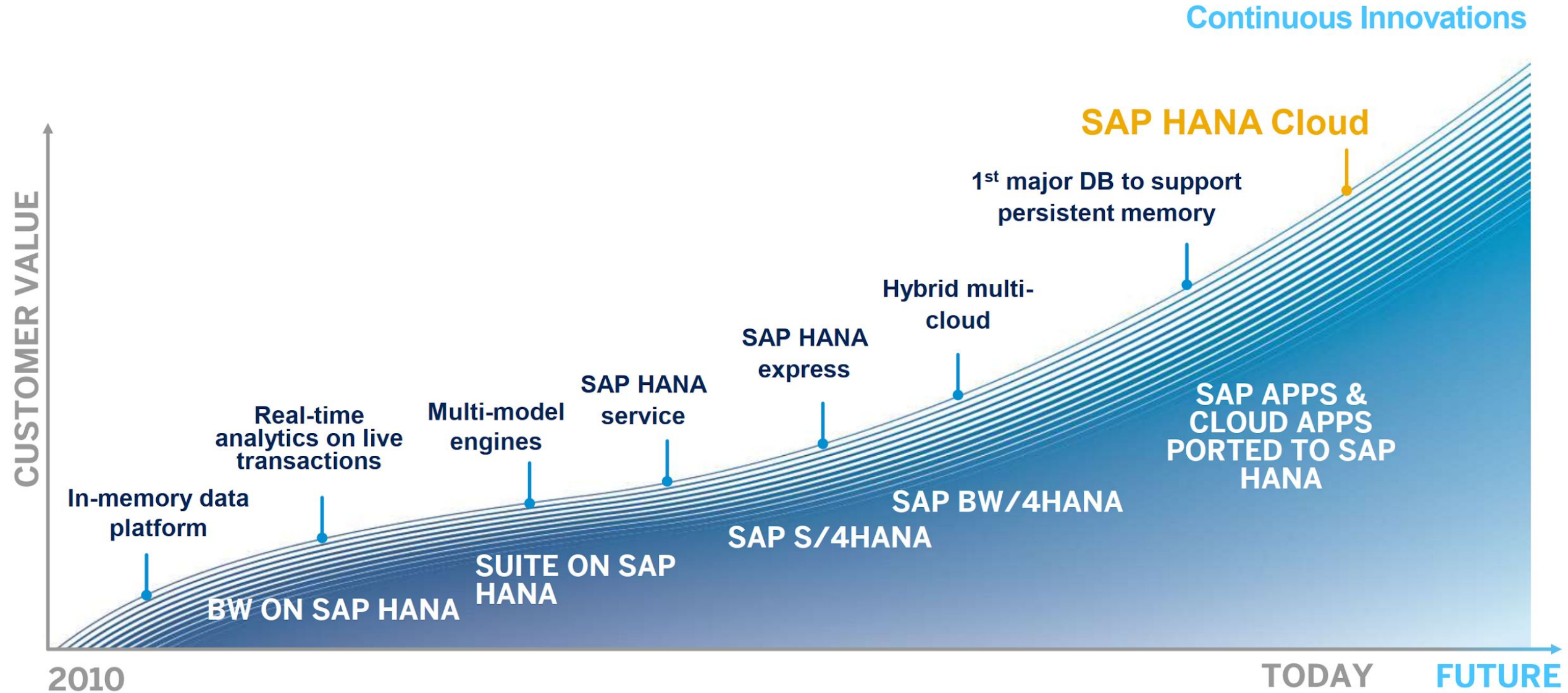
Agenda

- A show of hands...
- Cloud Architecture Evolution
- SAP's BTP Strategy for Analytics
- BTP and SAC
- BTP for BW Customers
- BTP for HANA Customers
- BTP and the future

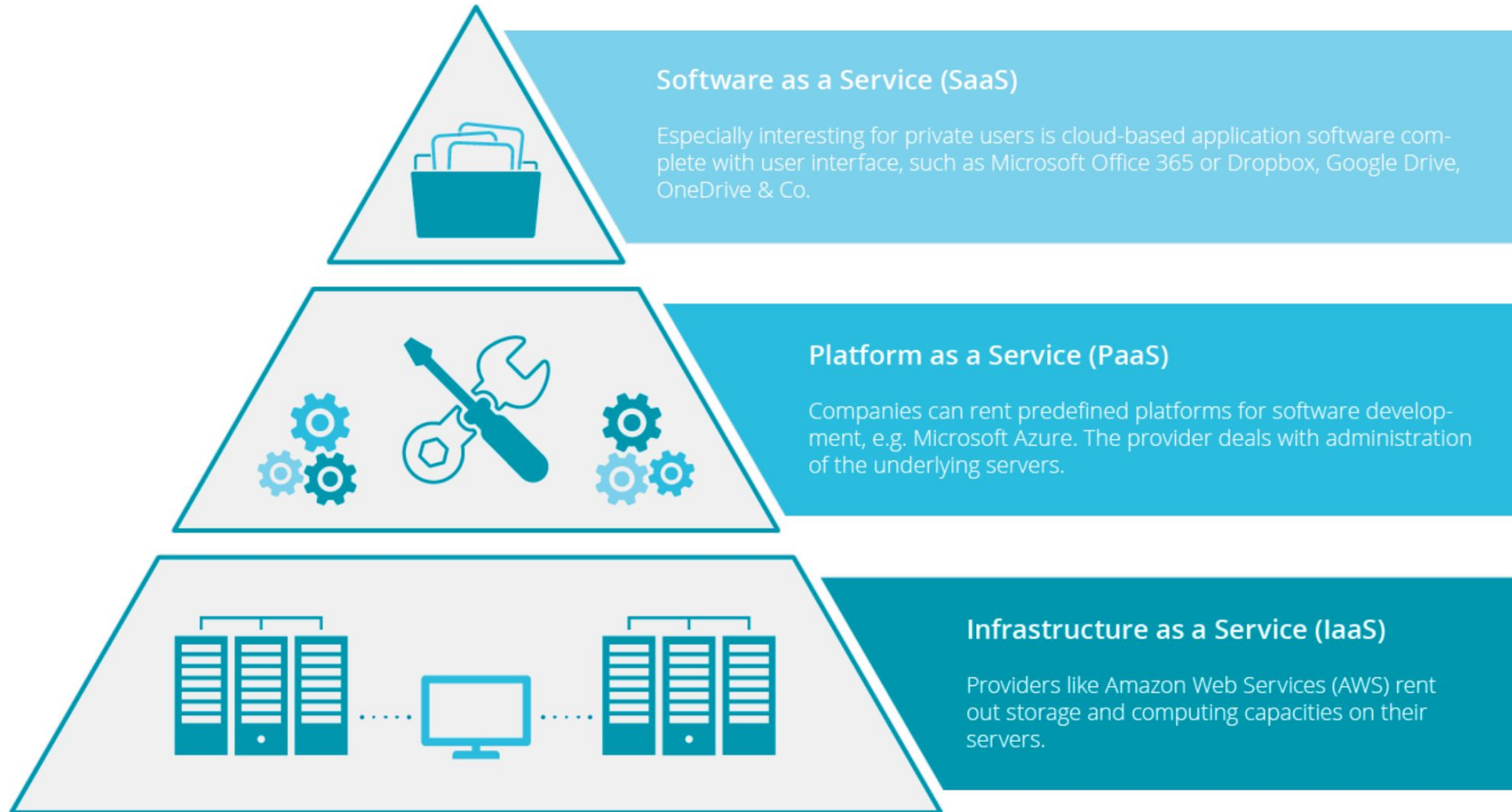
A Lot Has Changed

The SAP HANA Journey

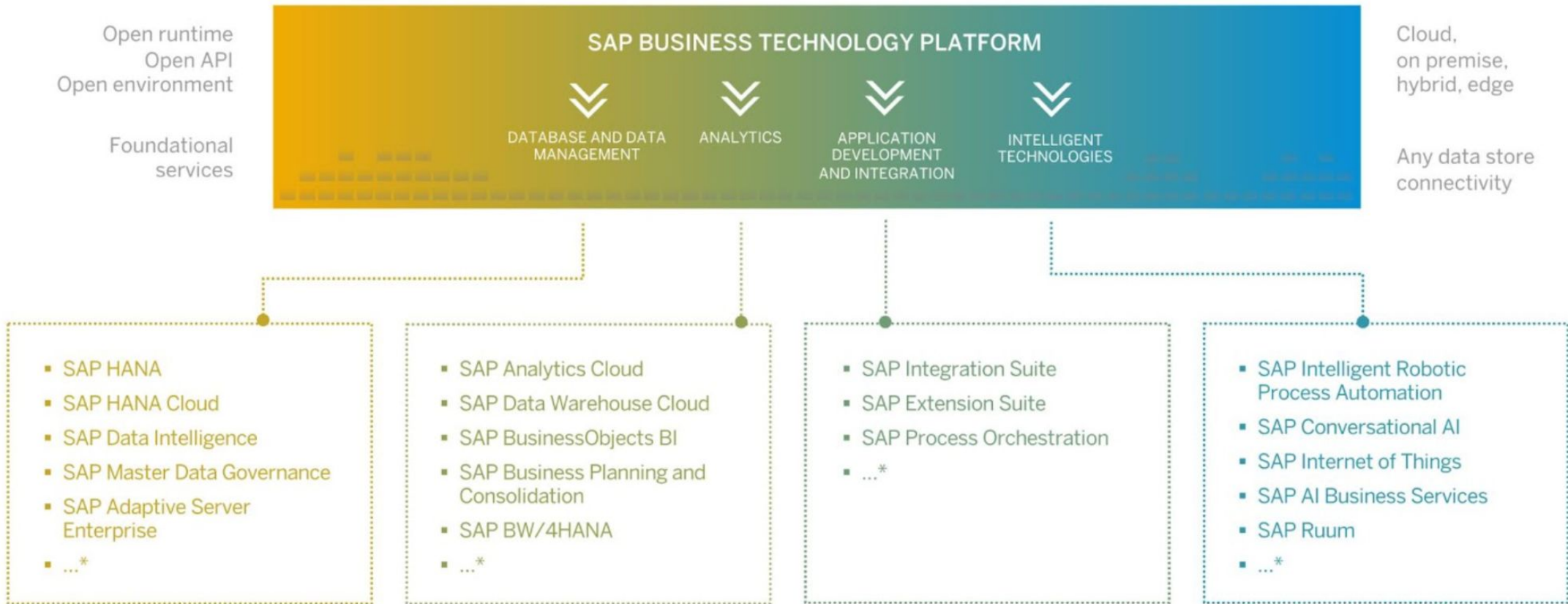
10 Years of Innovation and Rapid Customer Adoption



IaaS to PaaS to SaaS

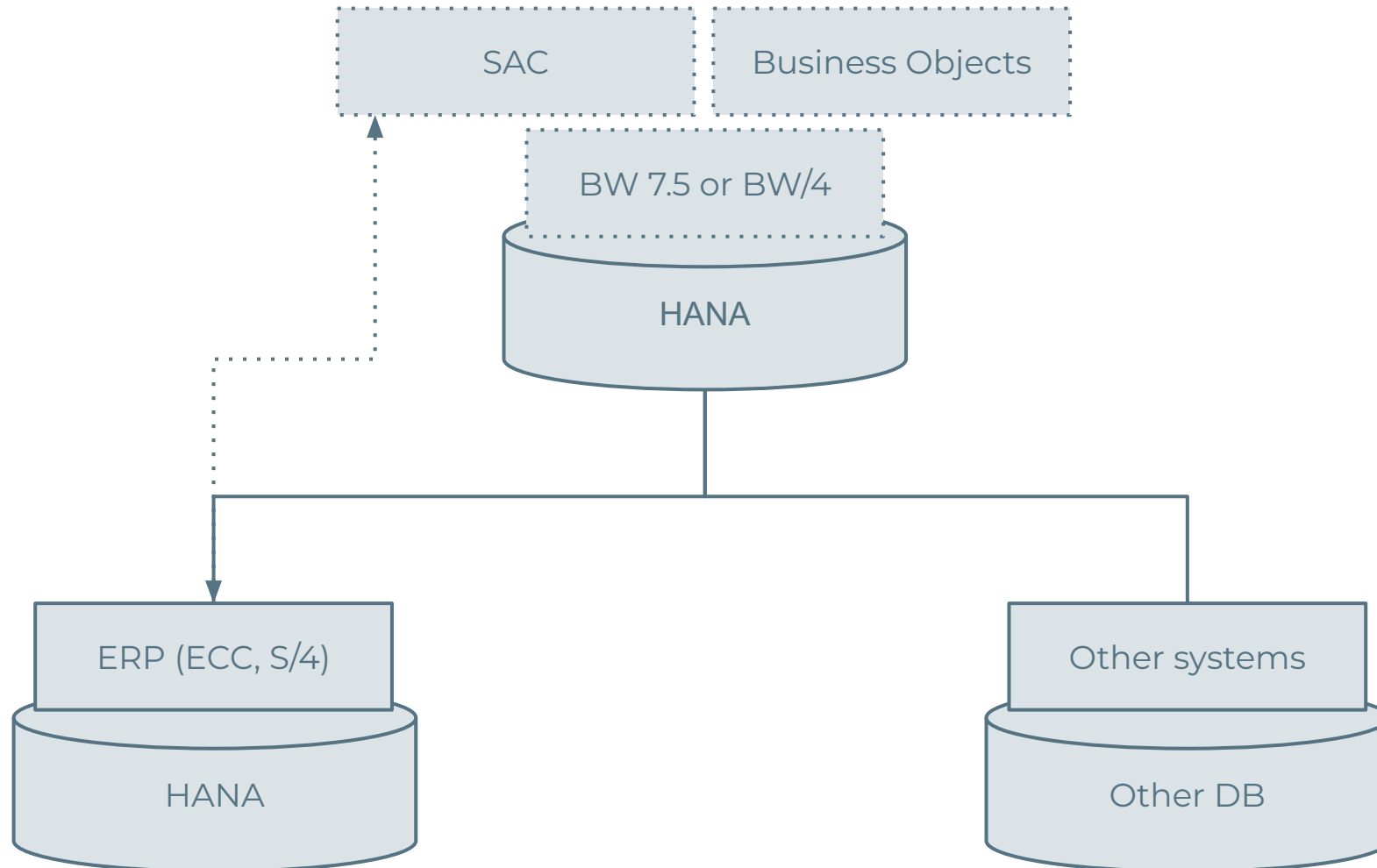


SAP and BTP

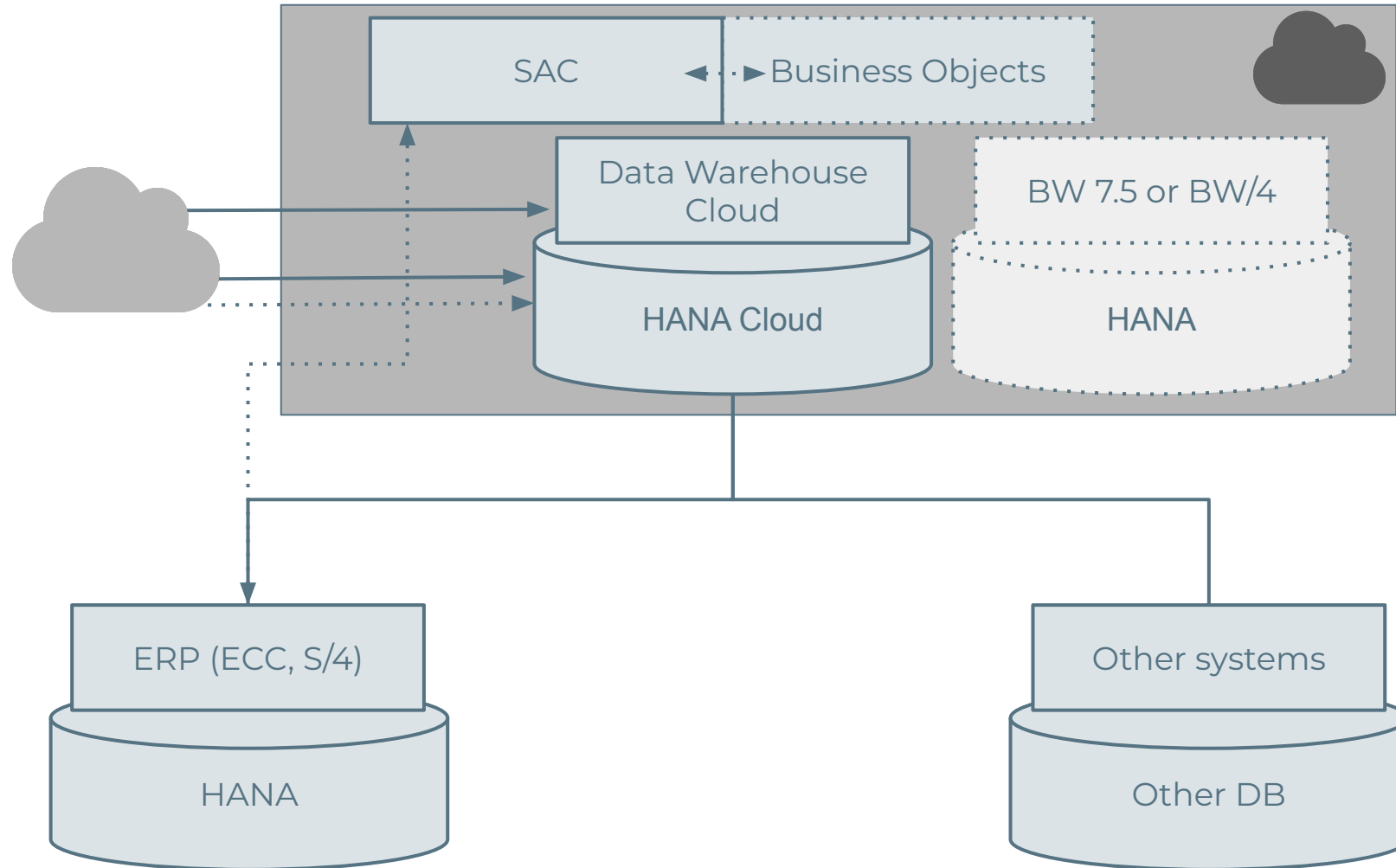


* Representative list; not exhaustive nor inclusive of all offerings

Traditional On-Premise Analytics Architecture



Hybrid SAP Analytics Architecture



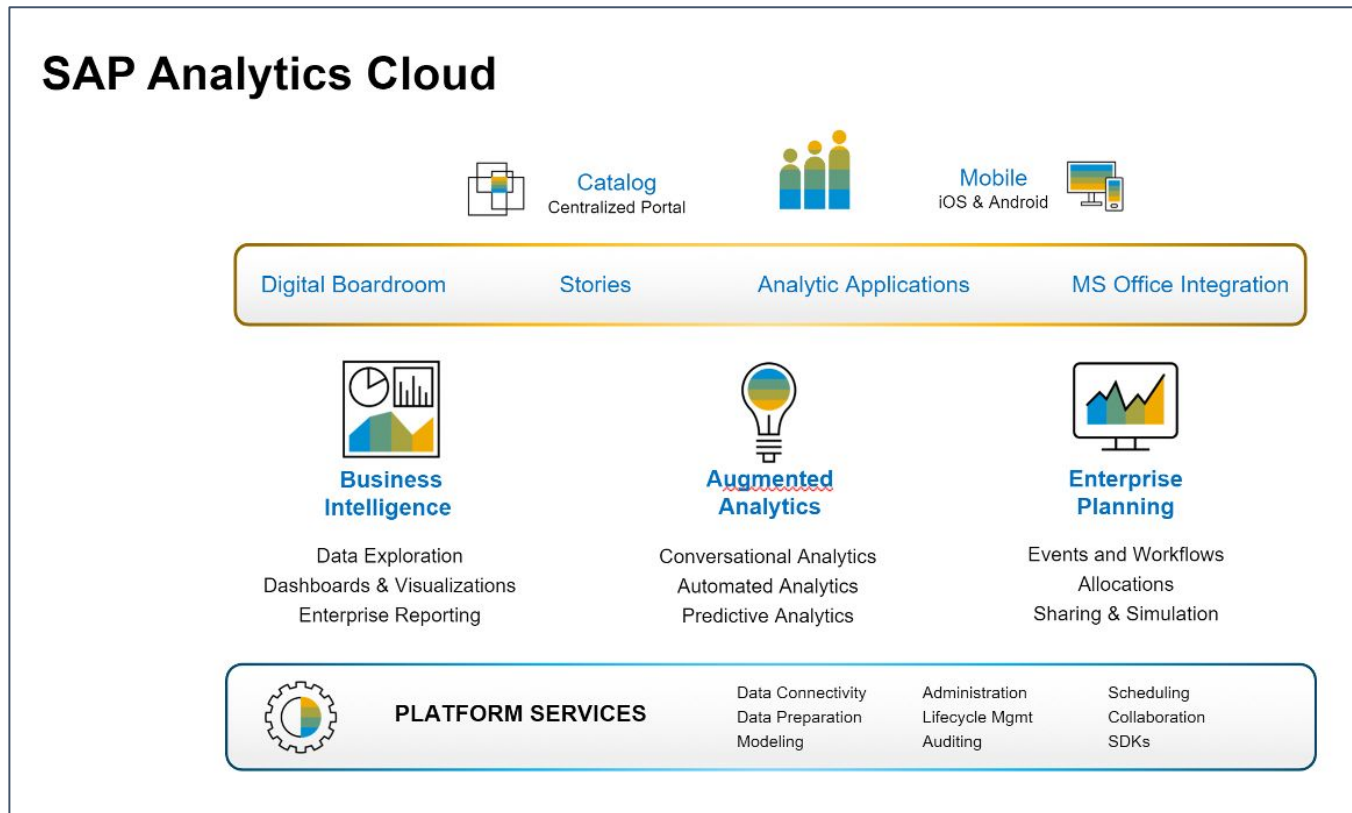
BTP - SAP Analytics Cloud

- A mature platform for Analytics, Reporting, Prediction, Planning, App Development, and Collaboration
- A natural complement to an SAP ecosystem...including WebI
- Two main flavors:
 - Enterprise Edition
 - Embedded Edition
- Live and import connectivity
- Data modeling for imported data
- “Augmented Analytics” using packaged ML/AI
- Direct Excel Integration
- Content marketplace

SAP Analytics Cloud

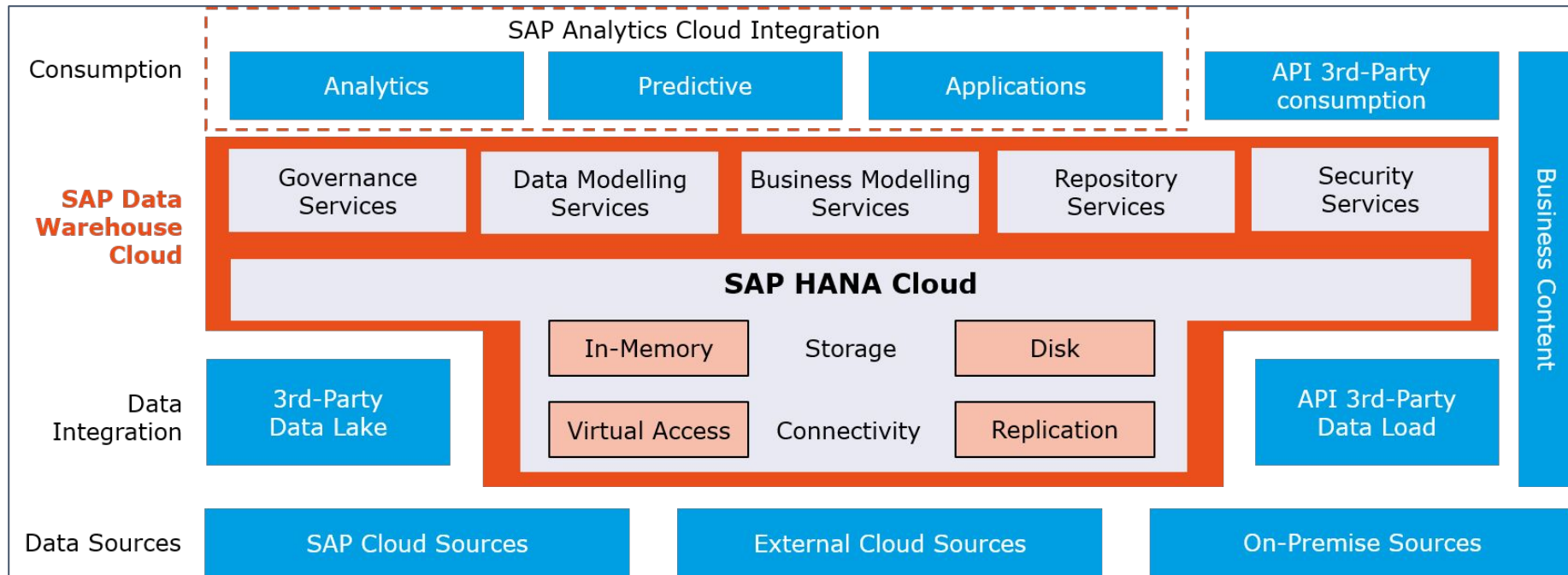


- A platform for Analytics...Planning...and “Augmented Analytics”
- Custom Analytical Application Development
- SAP Analysis for Office integrations and development
- SAP Business Objects Integrations



BTP - Data Warehouse Cloud

- A fully cloud-based data warehouse
- Release in October 2019
- A complement to S/4, BW, and SAC
- The future for SAC Planning modeling
- A true place for business and IT collaboration



DWC Example

The screenshot displays the SAP Data Builder interface for a 'New Graphical View'. The main workspace shows a graphical view of a data model. On the left, two data sources are connected to a central 'Left Join' node, which is then connected to a 'View 1' node. The 'Left Join' node is highlighted with a blue dashed border. The 'View 1' node is connected to the 'Left Join' node via a line. The 'Left Join' node has a dropdown menu open, showing options for join types: 'Left Join' (selected), 'Inner Join', 'Right Join', and 'Full Join'. The 'View 1' node has a count of 44. The 'Left Join' node has a count of 17. The 'Sales Hierarchy' node has a count of 27. The 'Leads Data - Sheet1' node has a count of 17. The 'Join Properties' panel on the right shows the 'Mappings' section. It lists the 'Sales Hierarchy (27)' and 'Leads Data - Sheet1 ...' data sources. The 'Sales Hierarchy (27)' source has several fields listed, including 'Confirmed', 'Plant (Own or External)', 'Subtotal 1 from pricing procedure', 'AA End User', 'AA Bill To', 'AA Sold To', 'AA Ship To', 'AA Sold-To Party', 'AA Customer group 5', and 'AA Release date of the document'. The 'Leads Data - Sheet1 ...' source has several fields listed, including '22 ID', 'AA Company Name', 'AA Category', 'AA Contact Name', 'AA Progress', 'AA Leads Source', 'AA Country', 'AA State', 'AA City', 'AA Zip', and 'AA Address'. A line connects the '22 ID' field in the 'Leads Data - Sheet1 ...' source to the 'AA End User' field in the 'Sales Hierarchy (27)' source. The interface also shows a 'Repository' pane on the left with a search bar containing 'leads' and a list of tables and views. The top bar shows the SAP logo, 'Data Builder', 'SAP & PARTNER CONTENT', and 'View - New Graphical View *'. The bottom left corner shows the page number '15' and the copyright notice '© 2022 ASUG Confidential'. The bottom right corner shows the ASUG logo.

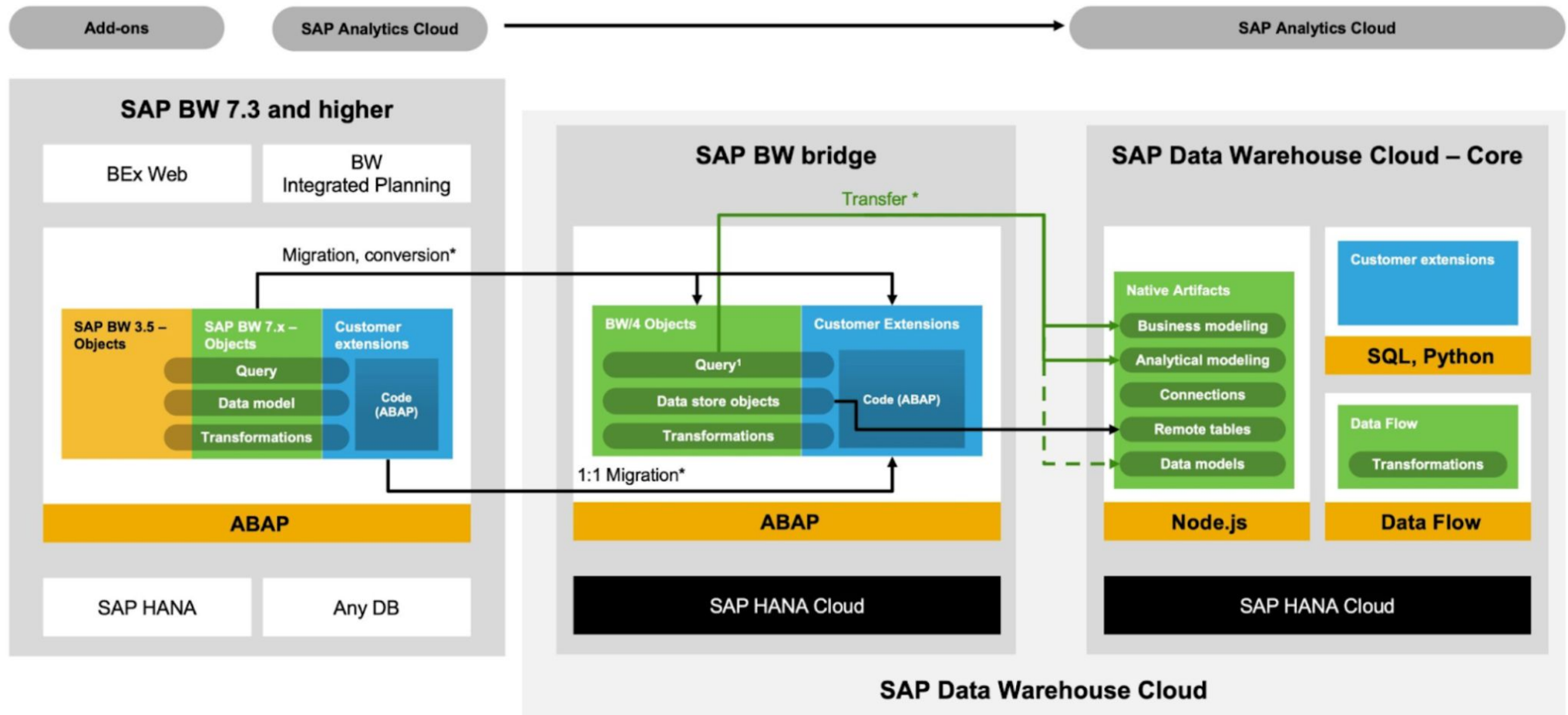
DWC Full Demo

Full Demo→ [HERE](#)

BW and BTP (with Data Warehouse Cloud)

- So this sounds cool...but you have BW...
- BW can be consumed by SAP Analytics Cloud providing a quick a modern way to expose your data for consumption *and planning* using BTP-based technology
- For more sophisticated scenarios using BW together with DATA Warehouse Cloud “DWC” can yield a quicker time to value
 - The “BW Bridge” for DWC allows all BW assets to be consumed in and further modeled within DWC
 - Allows for data blending and for business curated data to be combined easily with BW
 - Allows for non-SAP tools to interact with data for analytics
 - Allows for 3rd party data to easily be combined with IT curated BW-based assets

A Bridge



* More information on the [SAP Data Warehouse Cloud Roadmap](#)

¹ Not visible or executable

HANA and BTP

- Many customers still host SAP “Neo”-based HANA sidecar systems
- Neo is no longer receiving investment and therefore migration to BTP and HANA Cloud is recommended ¹
- BTP uses a significantly different “Cloud Foundry”-based approach to development and CI/CD
- This **XSA vs XSC** approach involves container-based development as well as more modern DevOps processes ²
- CI/CD and GIT integration is also an important change



The 49ers: Migrated EDW running on NEO Cloud Hana as a Service on XSC to SAP HANA Cloud on XSA



Blue Diamond Growers: HANA Neo to HANA Cloud + XSA migration; CI/CD and Git full integration and SDLC set-up

¹ For Large Enterprise customer SAP's cloud factory migration service will perform this migration. However, additional enablement may be required to ensure a smooth transition

² For SAP HANA 2.0, XSA is the default framework for application development while XSC and the associated SAP HANA Repository and SAP HANA Studio IDE have been marked as deprecated. Deprecated means that the software is no longer included in the next major release, which is the case for SAP HANA Cloud. Deprecated does not mean it is no longer supported. It is perfectly fine to continue using SAP HANA XS classic apps and the SAP HANA studio with SAP HANA 2.0 SPS 05 until at least end of June 2025.

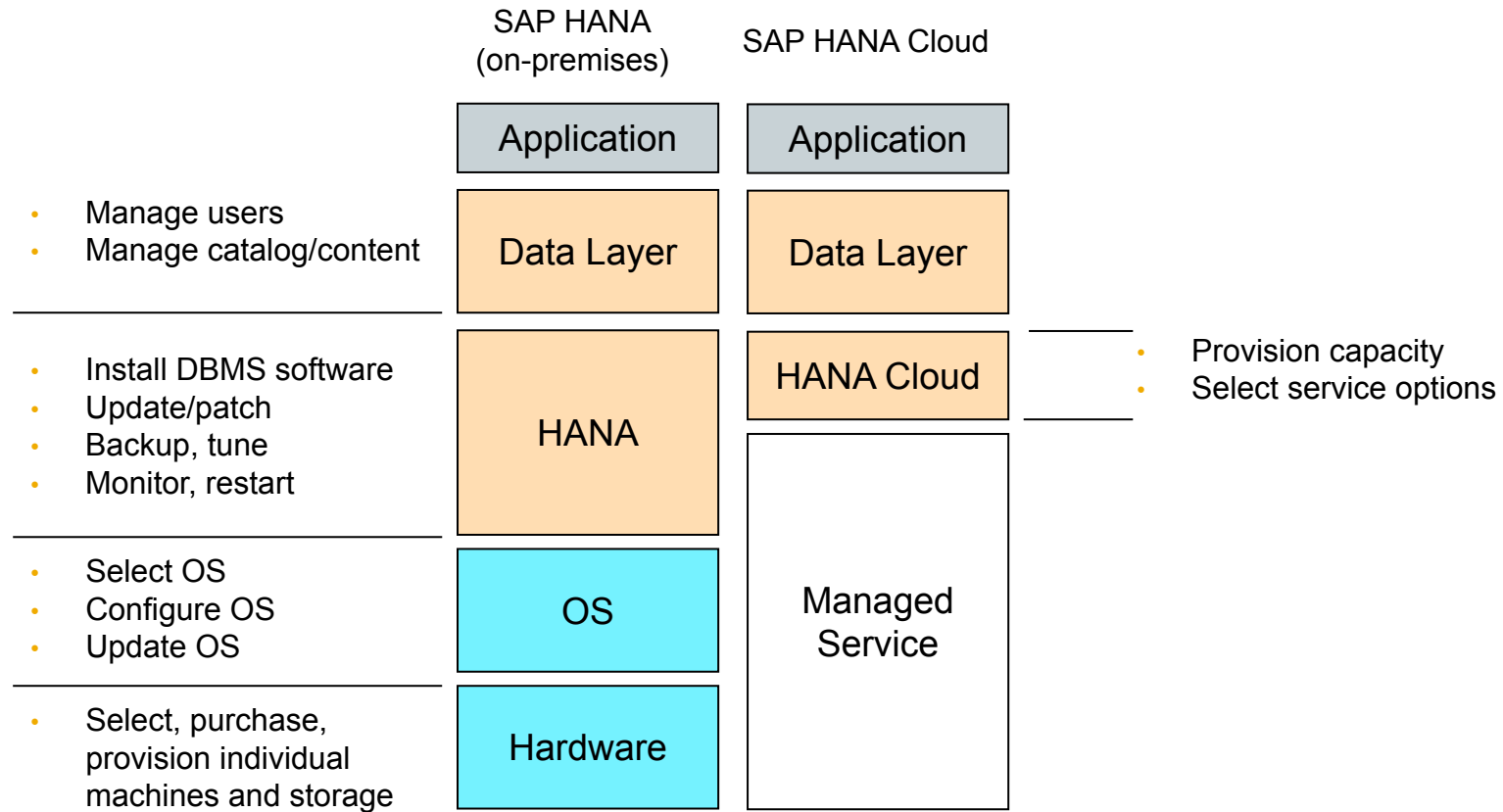
<https://blogs.sap.com/2020/09/27/sap-hana-update-upgrade-and-migration-sap-hana-2.0-an-introduction/>

Additional HANA Cloud Benefits

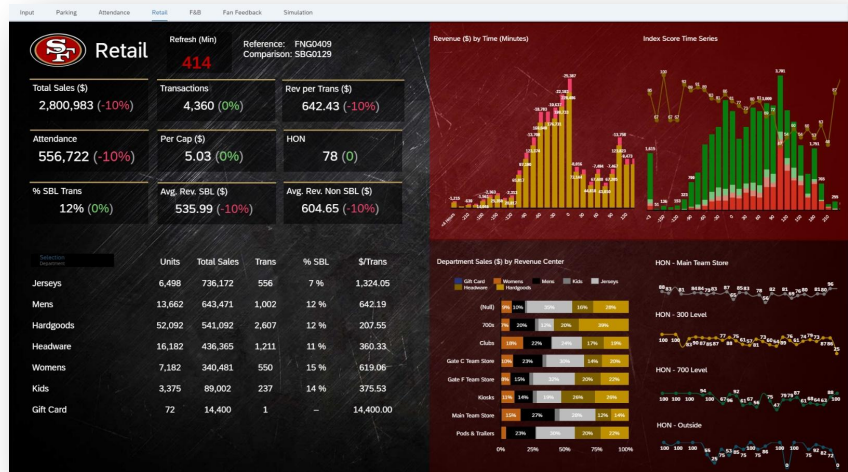
Fully elastic

- Data lake integration leveraging IQ
- Microservices
- Easier cloud integrations

Additional HANA Cloud Benefits



IoT Example



Questions?

For questions after this session, contact us at
michael.scarangella@benimbl.com and marcelo.berger@benimbl.com

Thank you.

