

Move to SAP BTP with SAP HANA Cloud

Creating an Intelligent Enterprise with a Single Source of Truth

SAP

3rd November 2021

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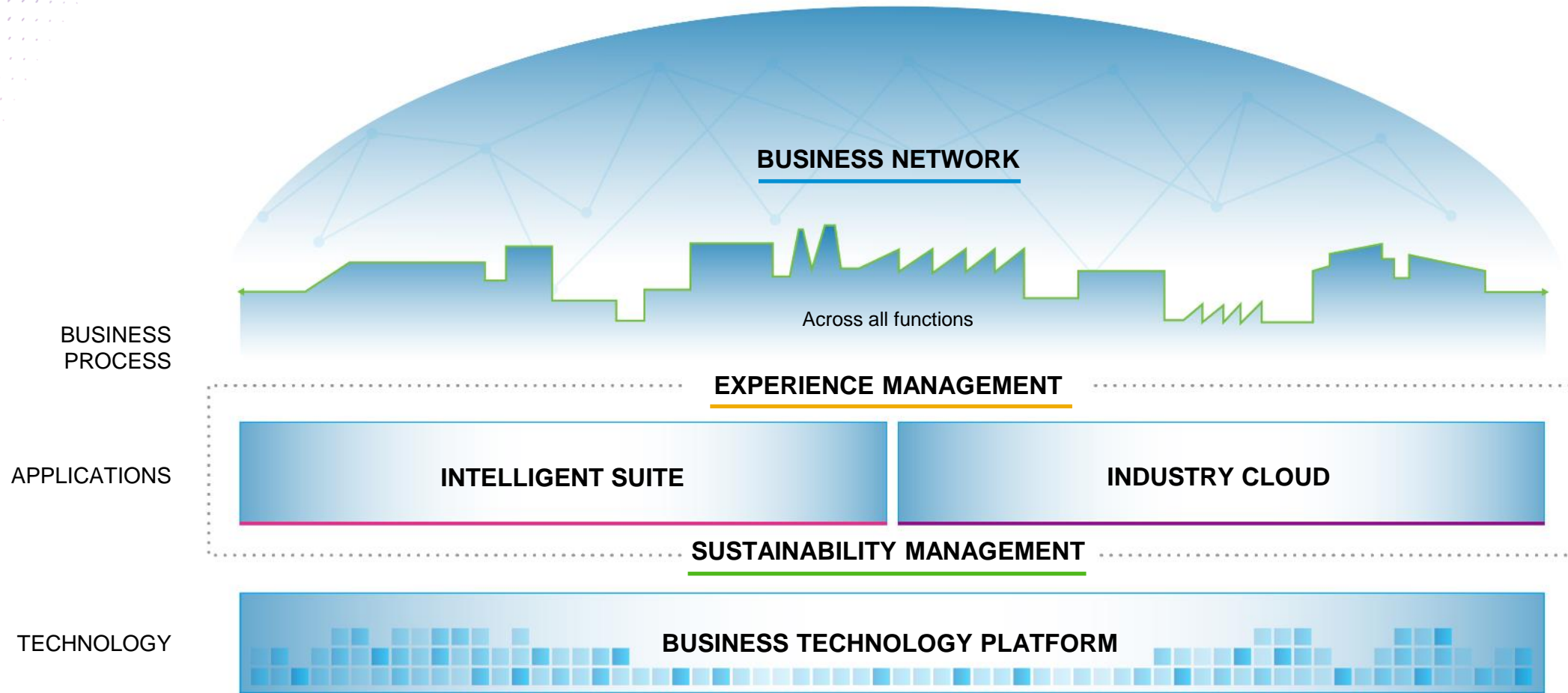
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SAP Business Technology Platform

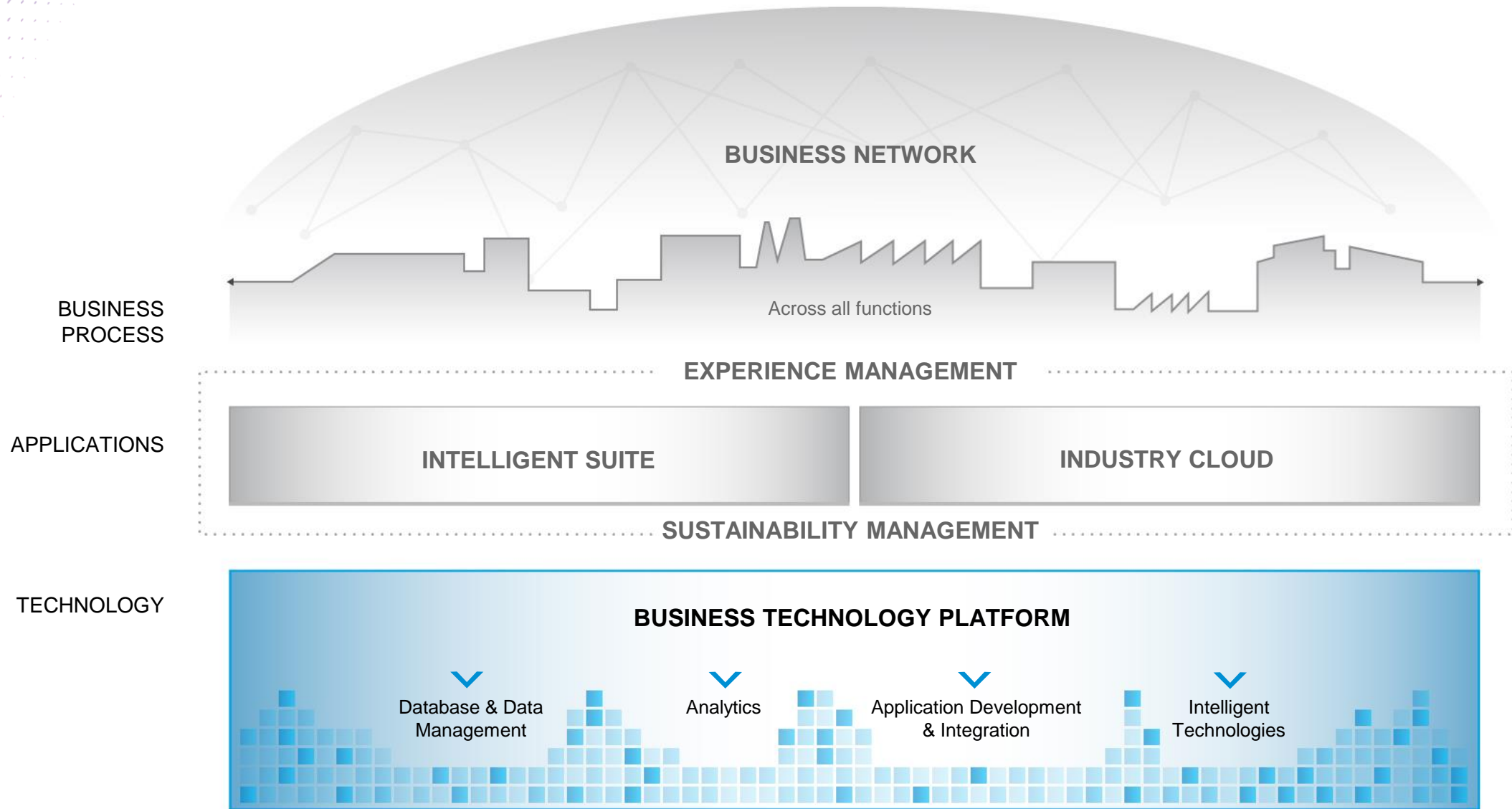
SAP's Business Technology Platform

as Foundation for the Intelligent Enterprise

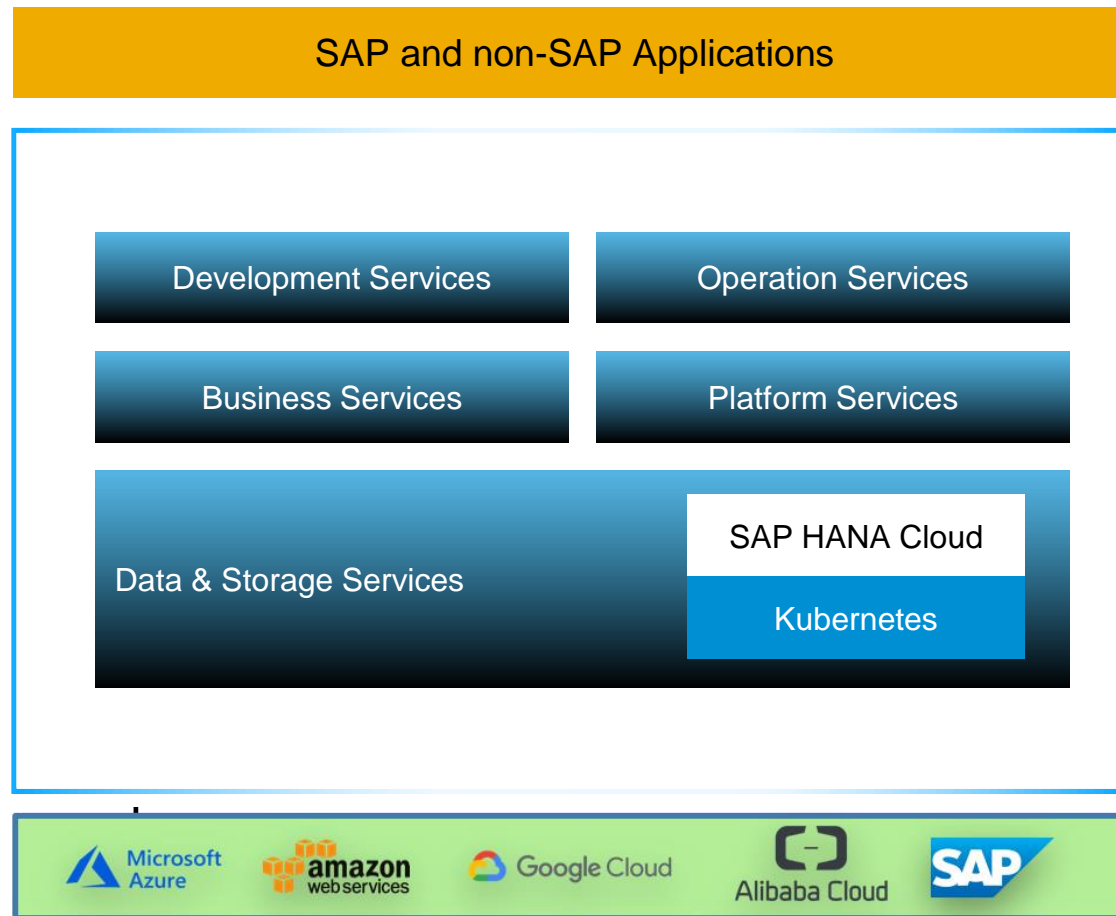


SAP's Business Technology Platform

as Foundation for the Intelligent Enterprise



SAP HANA Cloud | Integrated with SAP Business Technology Platform

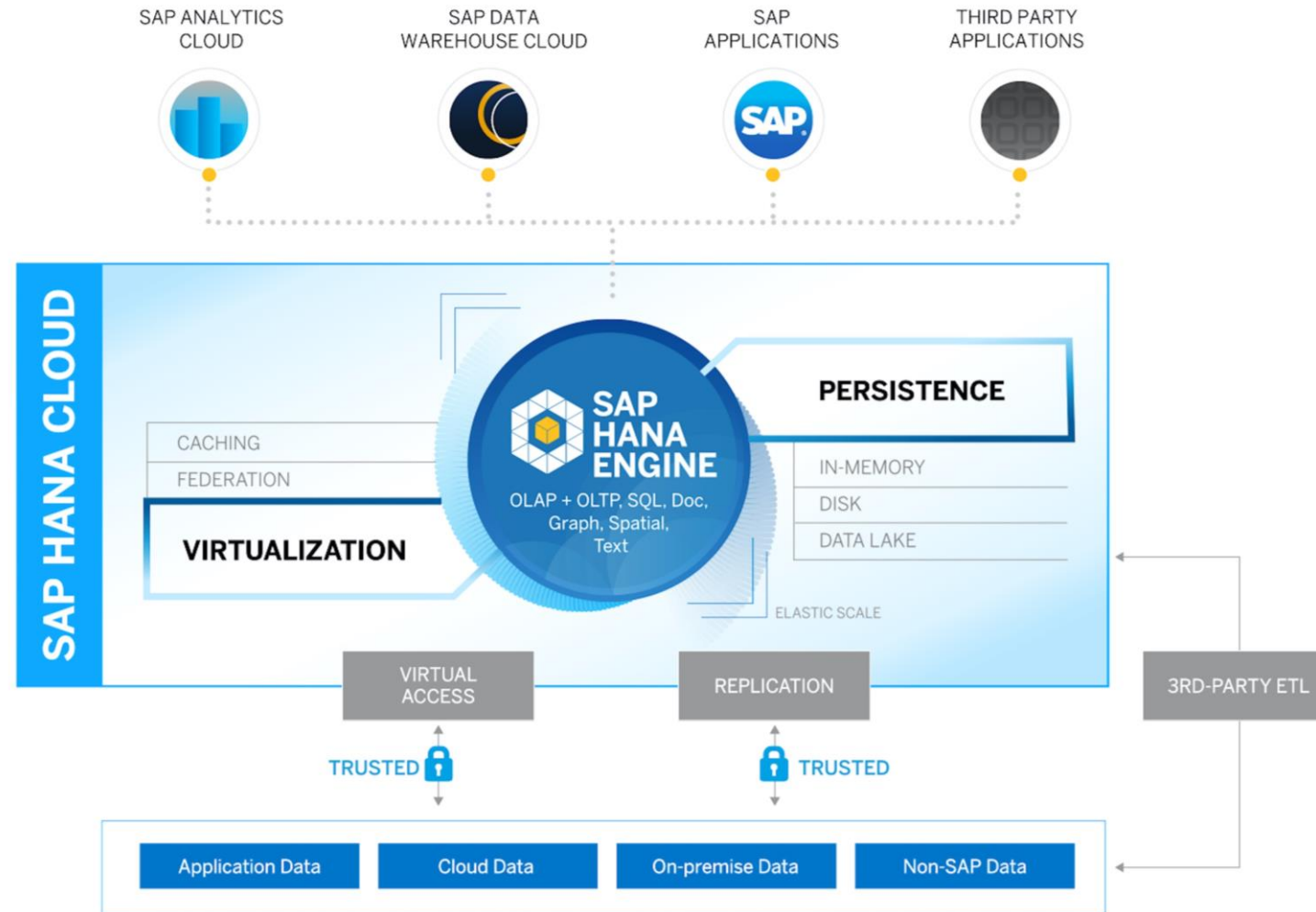


Cloud or On-Premises

Operated by SAP

Multi-Cloud

SAP HANA Cloud Architecture



SAP HANA Cloud | Our Value Proposition

Managed Cloud Multi-Tier Database

MULTI-SERVICE DB

Combining the known HANA qualities like in-memory, multi-model, hybrid transaction, and analytics processing in real-time with high volume, analytically and transactionally focused services

DATA ON DEMAND

All data, regardless of size, category, and complexity, available to you whenever you need it

EASY INTEGRATION

A unified access layer to simplify data processing while consolidating and harmonizing data integration to your intelligent applications



POWER OF THE CLOUD

Cloud qualities like low TCO, elasticity, serverless principles, high availability, resilience, and autonomous behavior

STREAMLINED ACCESS

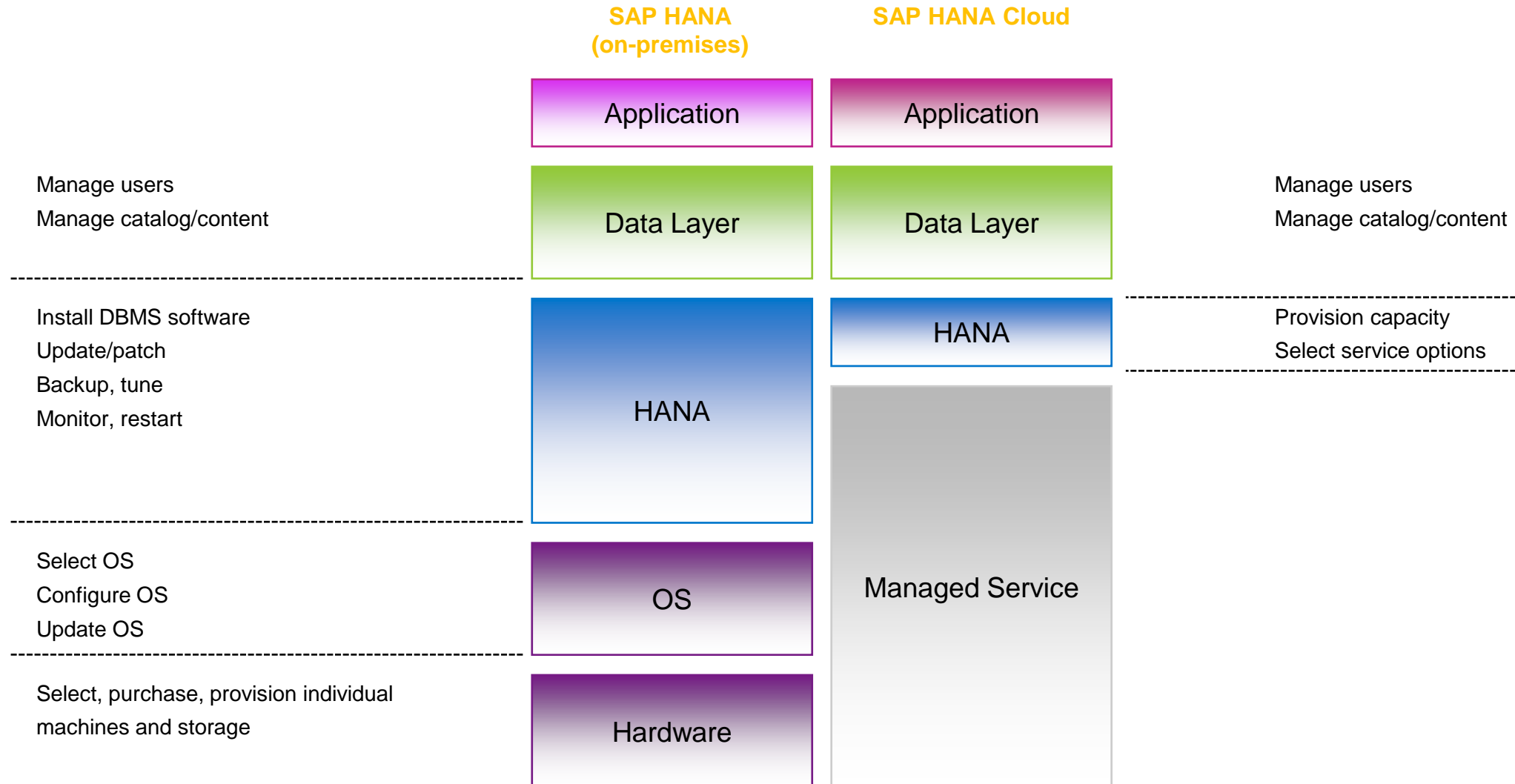
Simplified data-access which connects all your information without demanding that all data be loaded into a single storage solution

DEVELOPER EXPERIENCE

A development environment to develop and model custom applications

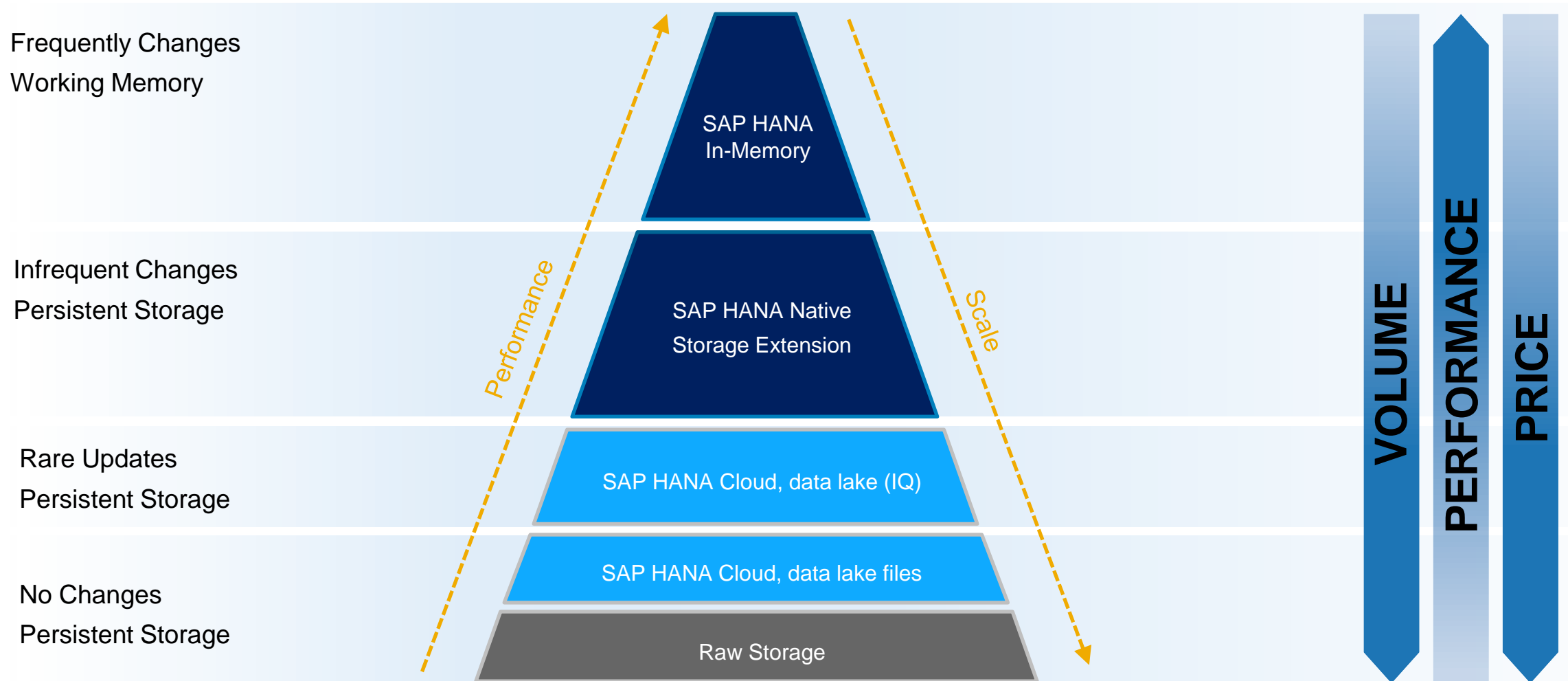
SAP HANA Cloud | SAP HANA vs. SAP HANA Cloud

Benefits of a Managed Cloud Database Solution



SAP HANA Cloud | Data Pyramid

Store Data Beyond the Scale of SAP HANA with Low Cost



Bimodal IT

Keep mission critical systems on-prem while having the competitive edge utilizing the most up to date technologies in SAP HANA Cloud

Business Integrity

Keeping the critical data on-premise and only replicating minimal needed data to cloud assures business integrity

Agile decision making based on trusted live data

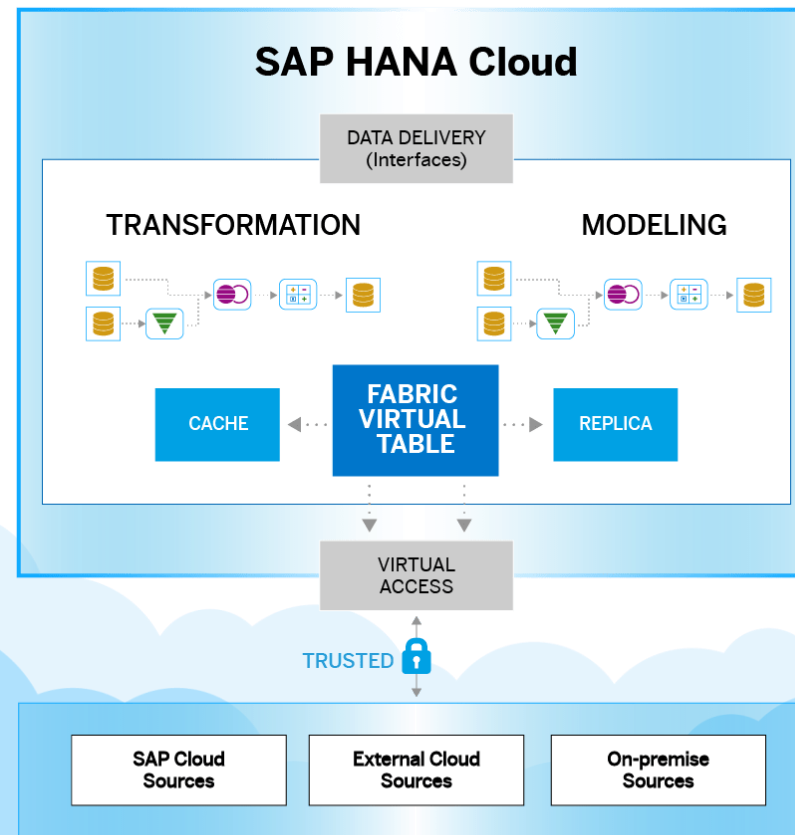
Conduct live business analysis in the cloud based on real-time replication or query federation

Elasticity

Easily extend the computational resources into SAP HANA Cloud whenever needed

Combine Big Data scenarios

Easily combine various data collections from different IoT devices and events generated in the Internet with internal corporate data for competitive business insights



Customer **Successes**

SAP HANA Cloud

CUSTOMER STORIES



Mondodelvino owns and operates state-of-the-art wineries throughout Italy. Their award-winning wines are enjoyed worldwide in more than 50 different countries. Known for the innovation of their wines, Mondodelvino wanted to extend this innovation to their data. That's why they deployed SAP HANA Cloud, a cloud-native database as a service, as the center of their new hybrid data landscape.

Paolo Caffa, SAP PJM at Mondodelvino



For modernizing our data landscape, SAP HANA Cloud was exactly what we needed. The self-service capabilities, the powerful connections, and the scalability all help us build a cloud-first strategy on our own terms.

PAIN POINT

- **Lacked flexibility** and a **centralized store** with their previous on-premise landscape
- IT resources were being **diverted from strategic tasks** to focus on more routine tasks, such as maintenance
- **Limited** planning capabilities in their data landscape and made it **difficult to make timely decisions**

SOLUTION

- SAP HANA Cloud provided **one central access layer** that united on-premise, cloud, SAP, and non-SAP data
- SAP HANA Cloud **saved time and money** and allowed IT to focus on innovation rather than routine tasks
- The **multi-model engines** handle all of Mondodelvino's disparate data sources and works in **real time** adding agility and speed

For more details [check out the blog](#) on Mondodelvino and SAP HANA Cloud



SAP HANA Cloud

SAP's Unified Data and Analytics

CUSTOMER STORIES



Geberit founded in 1874 in Switzerland, has grown enormously since its earliest days. To handle rapidly changing technology and a growing amount, they used SAP's Unified Data and Analytics. SAP HANA Cloud is the center of their new hybrid data strategy working alongside SAP Analytics Cloud.

CHF 3.1

Billion in manufacturing
and supply sales

29

Production facilities

12,000

Employees in 50+
different countries



SAP HANA Cloud
SAP Analytics Cloud

Marius Reck, Head of IT Business Support Applications



We have business requirements to connect channels like Twitter, like YouTube or our web pages, Google analytics for analytics. With SAP HANA Cloud, it is very straightforward and easy to connect to those applications and get real time analysis

SAP HANA Cloud will be center for all reporting in our data landscape. It's the single source of truth that connects all our data sources and gives us the insights we need.

PAIN POINT

- Having data from SAP and non-SAP sources requiring middleware data solutions to access all data for analysis – Time consuming
- Moving data through all these storage options is **not easy and time-consuming**, also could cause "data sprawl"
- **No single point of access** for this data, making it hard to derive insights

SOLUTION

- SAP HANA Cloud acts as a **central access point of all data**. SAP and non-SAP data sources. CRM data is loaded directly to their Azure SQL database and accessed in real time via SAP HANA Cloud
- Launched SAP Analytics Cloud to replace PowerBI and gain **real-time analytics** with live connection
- Users can **quickly run simulations and create visual reports** through SAP Analytics Cloud without worrying about silos or inconsistent data

For more details [check out the blog](#) on Geberit and SAP's Unified Data and Analytics

SAP HANA Cloud

CUSTOMER STORIES

BRENNTAG

As the global leader in chemical distribution, **Brenntag** leverages data whenever possible. With this data, Brenntag can make best possible business decisions and enable partners and customers to interact directly and intelligently with Brenntag's systems.

185,000+

Business customers

640+

Locations in 77 countries

12.8

Billion euros in annual revenues

POWERING
SAP
BTP

SAP HANA Cloud

Dr. Tobias Carstensen, Director Application Management EMEA



SAP HANA Cloud gave us the power to better connect with our customers and suppliers. Thanks to the flexible storage options so we can offer improved interaction capabilities to deliver outstanding services.

PAIN POINT

- No single integration layer for all the different regions and systems made any rollouts a **time-consuming** and labor-intensive process
- A **lack of harmonized data** structures resulted in high efforts for integration and application implementation
- Performance issues **reduced customer satisfaction**
- Operational limitations like monitoring and logging, as well as limited IT resources, made scaling capacity both **difficult and expensive**

SOLUTION

- A **central integration** layer and access point for all data sources including SAP systems and non-SAP systems.
- Data management **capabilities handle a large variety of sources** by being able to replicate or virtualize data
- **Increased agility** with data integration features to easily roll out new features and functionality
- Harmonized data architecture offers **operational simplicity**

For more details [check out the blog](#) on Brenntag and SAP HANA Cloud

SAP HANA Cloud

CUSTOMER STORIES



The **NHL** is the world's top professional hockey league. With SAP's Unified Data and Analytics, coaches gain brand-new insights to inform strategic decision. SAP HANA Cloud houses the enormous amount of data generated from puck and player tracking.

Every 30 milliseconds

Puck and player position coordinates recorded

30 gigabytes

Of archived data per game analyzed instantly

40 terabytes

Of inexpensive long-term storage per season

POWERING
**SAP
BTP**

SAP HANA Cloud

Eric Schneider, SVP of IT and Development, NHL



Puck and player tracking will be invaluable to our coaches, but it generates an incredible amount of data. SAP HANA Cloud is completely up to the challenge of handling all of this data. Thanks to the powerful tiering capabilities we will save on time, resources, and cost.

PAIN POINT

- Puck and player tracking **generates a vast amount of data** (30 gigabytes per game) that needs to be analyzed in near-real time
- Post-game data needs to be reliably accessed for fast insights
- Long-term data (40 terabytes per season) needs to be **stored inexpensively** to monitor trends
- **Data needs to be visualized** to coaches – and later fans – in a way that's easily understandable

SOLUTION

- High-speed in-memory storage, combined with analytical and transaction processing power, **delivers instant insights**
- Tiering capabilities provide a mix of **high-performance and affordability** based on the importance of data
- Data is successfully tiered down to the cold data level, offering inexpensive storage
- Spatial, graph, and machine learning capabilities, combined with a connection to SAP Analytics Cloud, provide **valuable information and visualizations**

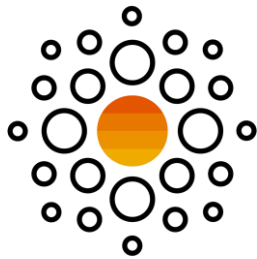
For more details [check out the blog](#) on the NHL and SAP HANA Cloud

*The NHL has been running SAP HANA since 2015, first on SAP HANA Enterprise Cloud (HEC), then on SAP Cloud Platform, and migrated to SAP HANA Cloud in 2020. Visit nhl.com/stats to see it in action.

Extend or Move On-Prem to Cloud

Why hybrid cloud is important?

Flexibility and agility with private or public cloud to meet new and changing business demands while running mission-critical workloads in on-premise data centers



By 2022,
over **90%** of enterprises
worldwide will be relying on a
mix of on-premises/dedicated
private clouds, or multi-cloud

IDC



85% of IT decision-makers
agreeing it is a critical part
of their hybrid cloud
strategy.

Forester Research



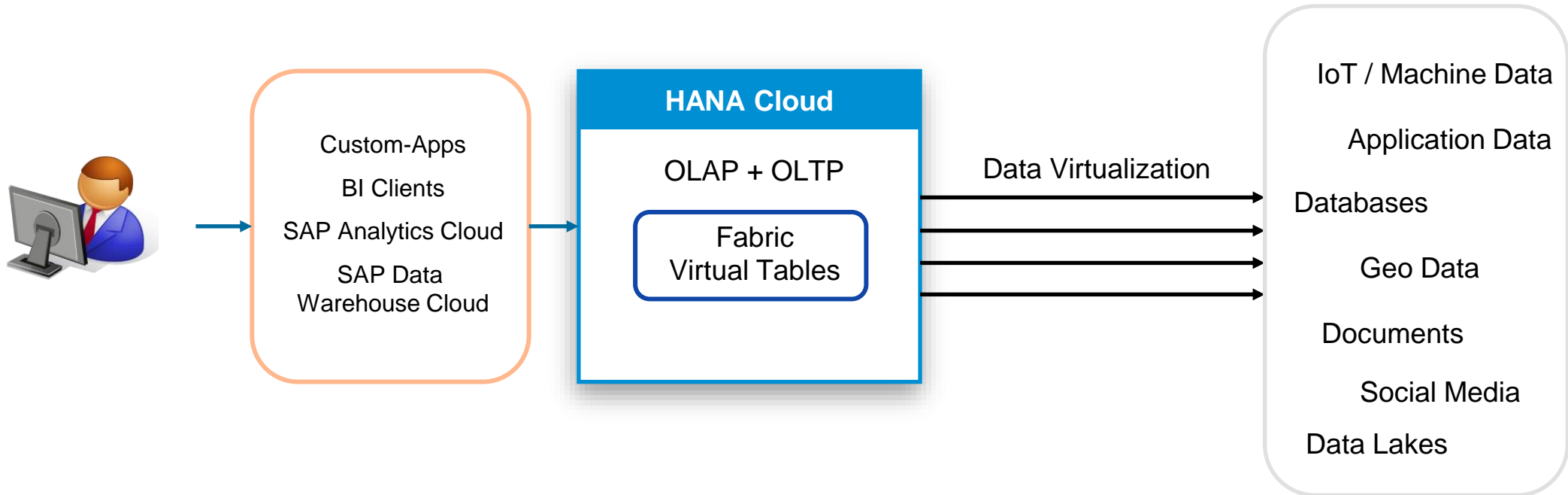
The global hybrid cloud -
Market Valued at 52B
(2020) and expected to reach
145B (2026)

Market Research Future

Most enterprises already strategized on hybrid cloud strategy today

Use Case Scenario 1 : Single Access Layer to all Data

Data Sources
Multi-cloud / On-Premises



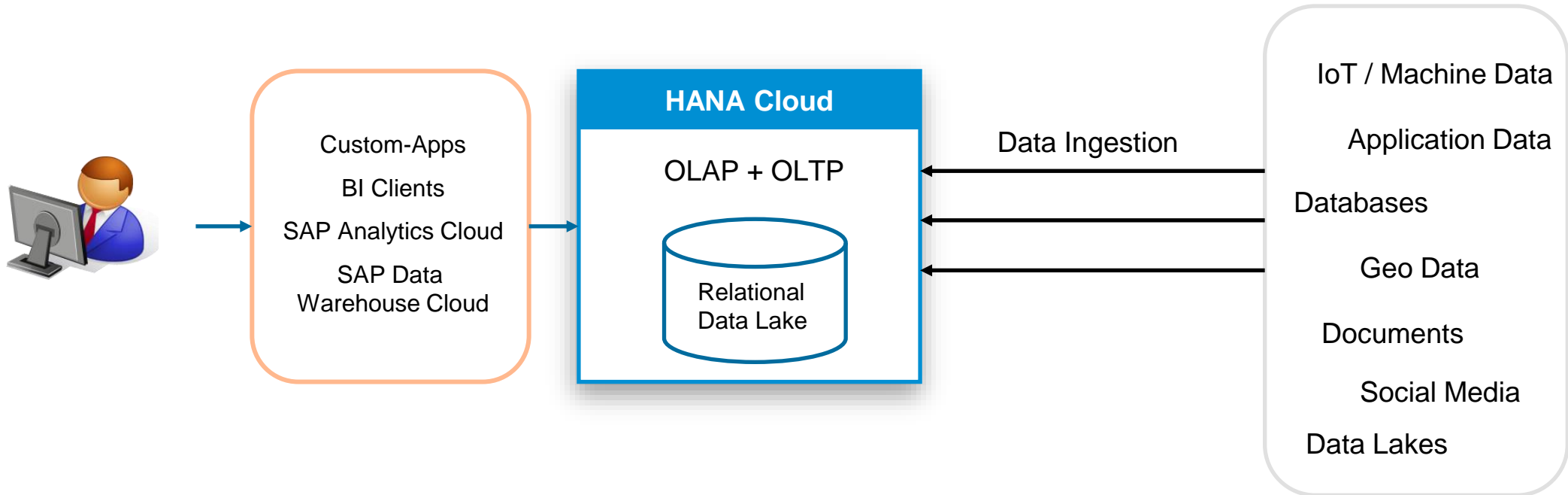
Quick configuration
with low TCO

Unified access of live
data

No Data Move, No
Replication

Use Case Scenario 2 : Centrally Store and Manage Data

Data Sources
Multi-cloud / On-Premises

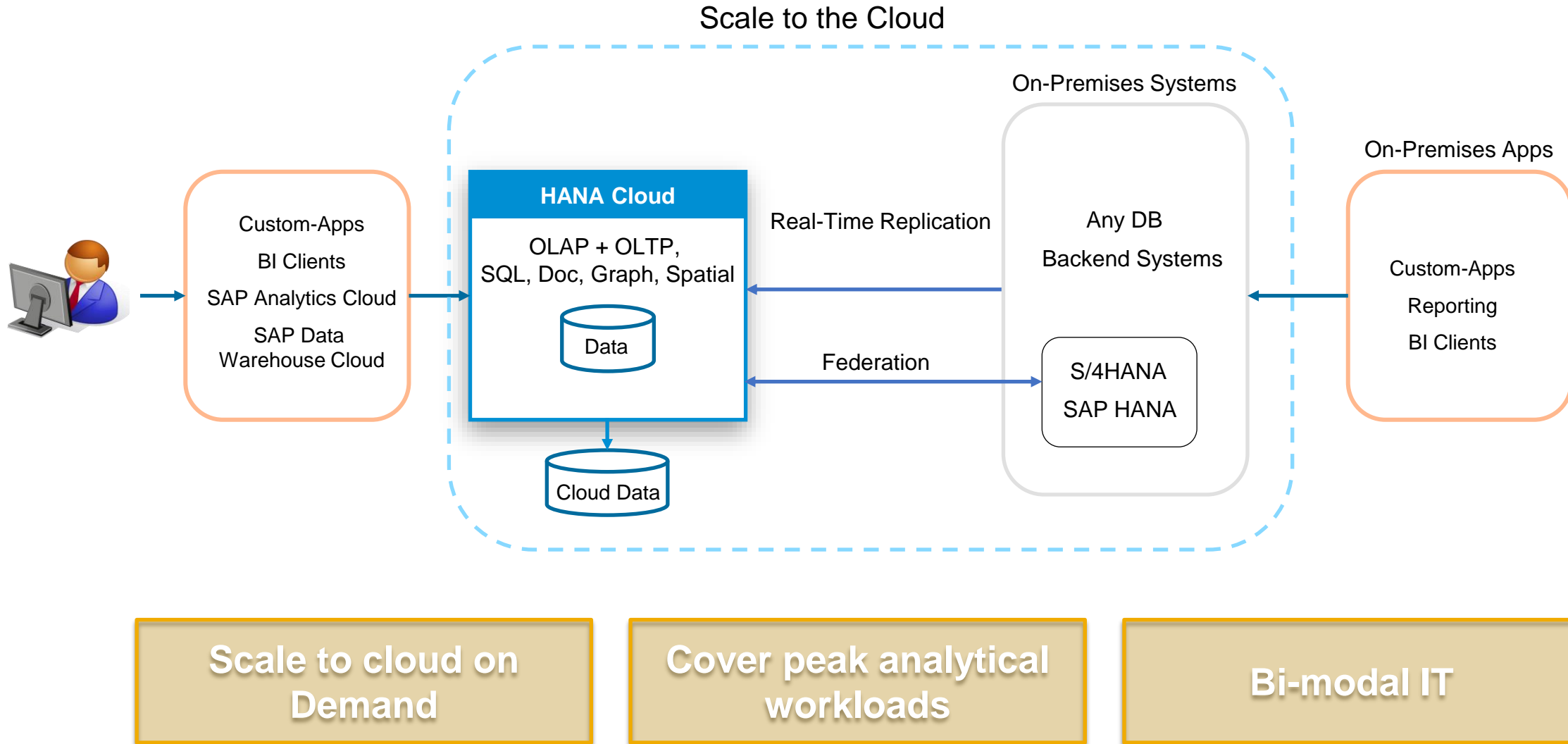


Built-in Data Lake

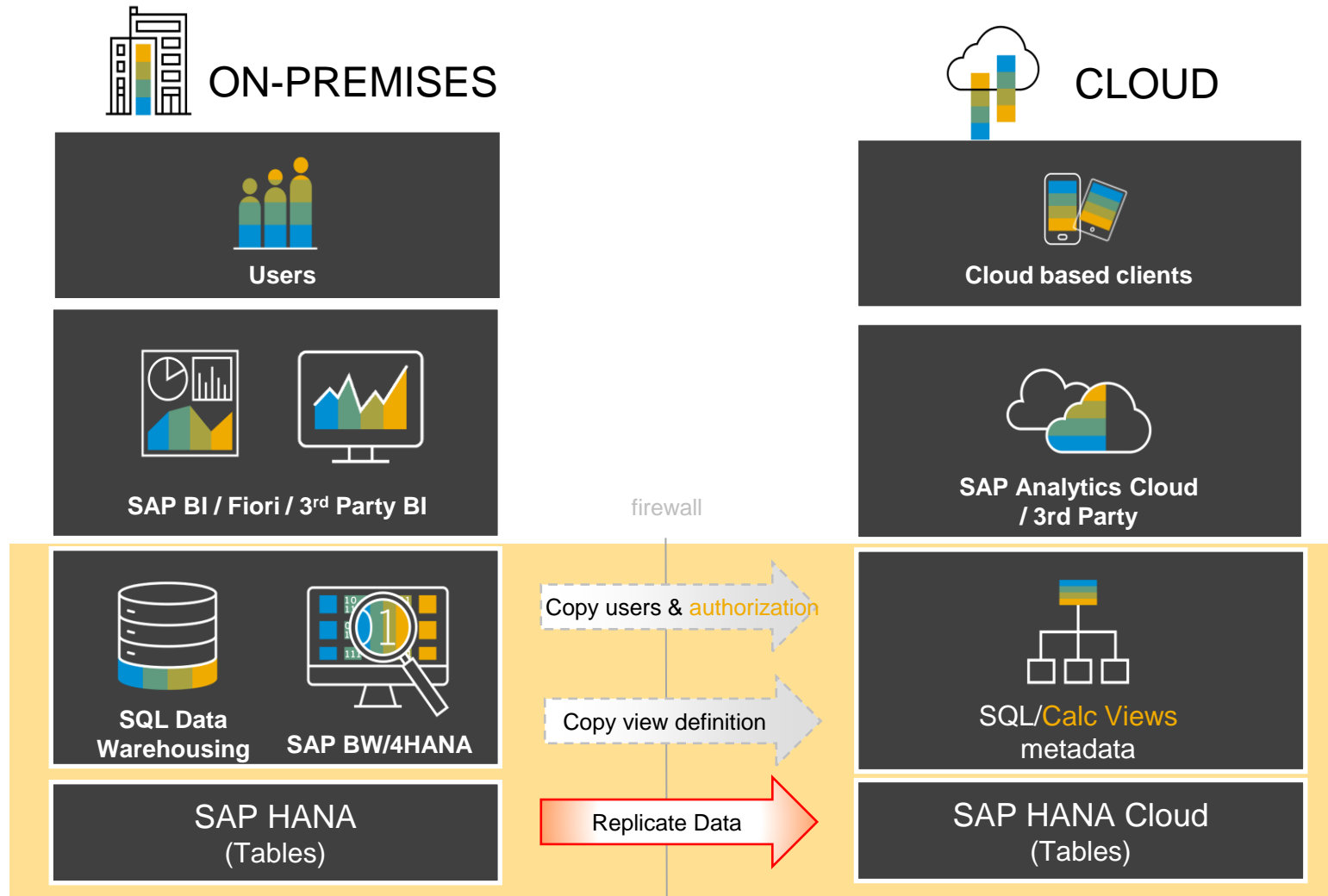
**Scalable and
Centralized**

**Fast data access with
low TCO**

Use Case Scenario 3: Expand On-Premises Landscape to the Cloud



Extending your on-prem workload to SAP HANA Cloud



Extend to cloud without migration by replicating data and copying definitions

Offload workload to cloud during peak times

Run analytics with latest features in SAP HANA Cloud

Integrate external data from various sources by federation

Demo

Connect Any Data Any Where

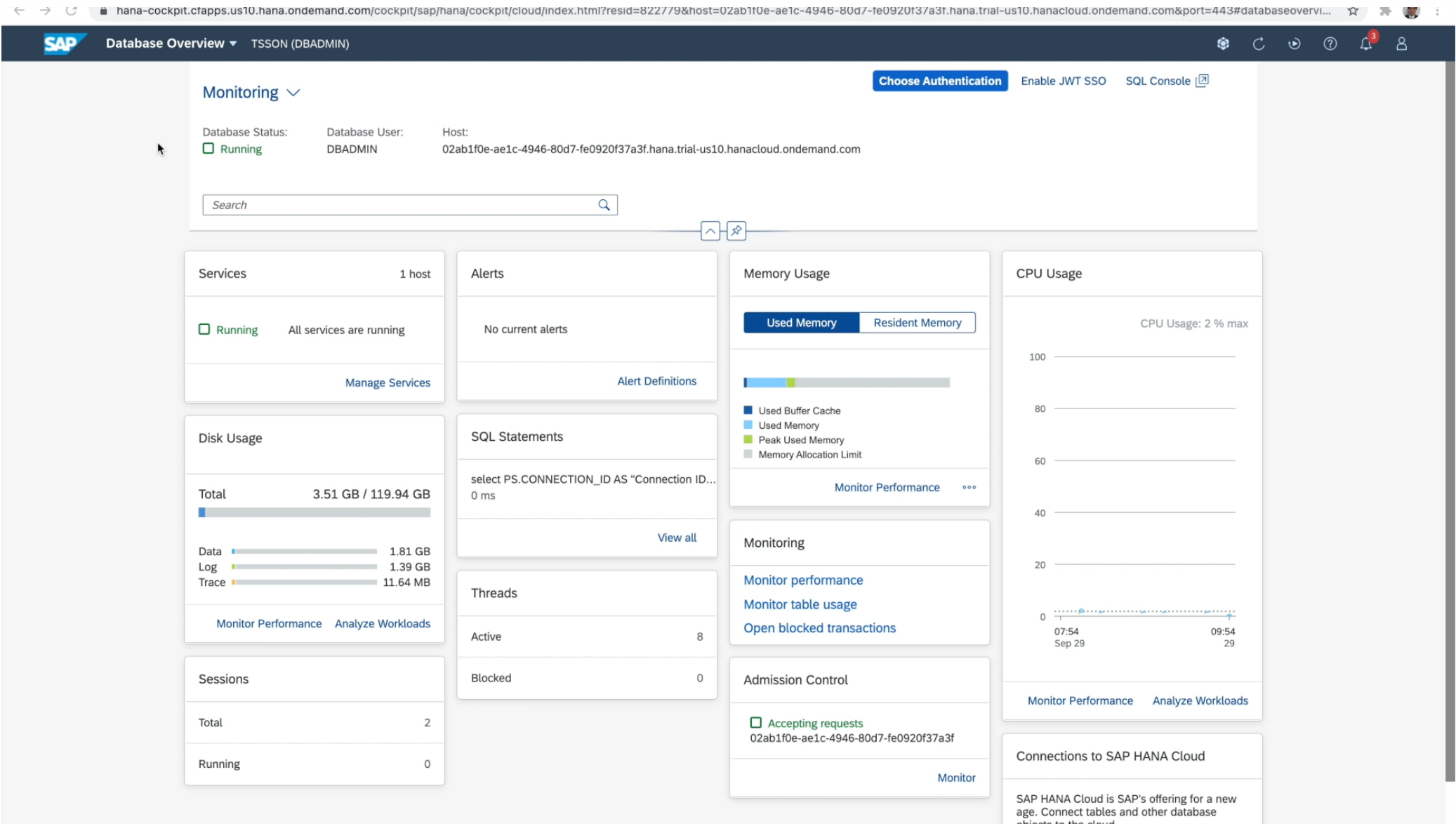
&

Extend On-Prem SAP HANA to SAP HANA Cloud

Demo: Connect Any Data Any Where

The screenshot displays the SAP HANA Database Explorer web interface. The browser address bar shows the URL: `hana-cockpit.cfapps.eu10.hana.ondemand.com/hrtt/sap/hana/cst/catalog/cockpit-index.html?databaseid=C362530`. The interface includes a left-hand navigation pane with a tree view of the database catalog, including folders like 'Catalog', 'Adapters', 'Agent Groups', 'Agents', 'Column Views', 'Cubes', 'Functions', 'Graph Workspaces', 'Indexes', 'JSON Collections', 'Libraries', 'Procedures', 'Public Synonyms', 'Remote Sources', 'Remote Subscriptions', and 'Schemas'. The main workspace is divided into three sections: a top toolbar with icons for 'Analyze', 'Download', 'Upload', 'Undo', and 'Redo'; a central SQL editor with a script titled 'Production System' containing a 'set schema tpch;' statement and a 'CREATE CERTIFICATE FROM' statement; and a bottom 'Messages' pane showing the execution log: 'Statement 'set schema tpch' executed in 1 ms.' The left pane also lists the 'TPCH' schema tables: CUSTOMER, LINEITEM, NATION, ORDERS, PART, PARTSUPP, REGION, and SUPPLIER.

Demo: Extend On-Prem SAP HANA to SAP HANA Cloud



Resources for your Success

SAP Database Migration Factory

Faster Migration | Reduced Business Impact | Maximum Returns

Tools and Accelerators Library



Areas of Advantage :

Database migration planning, DB Scripting, CDS translations, Syntax translations, Issue identification & resolutions

Impact on Migration :

30-40% reduction* of overall migration effort & timelines

Specialized Expertise on HANA Cloud



Areas of Advantage :

Solution Architecture, Migration Approach, Execution tracking and re-alignment with business needs

Impact on Migration :

Bring best practices in migration and customer experiences from Day 1

Alignment with SAP Product Engineering



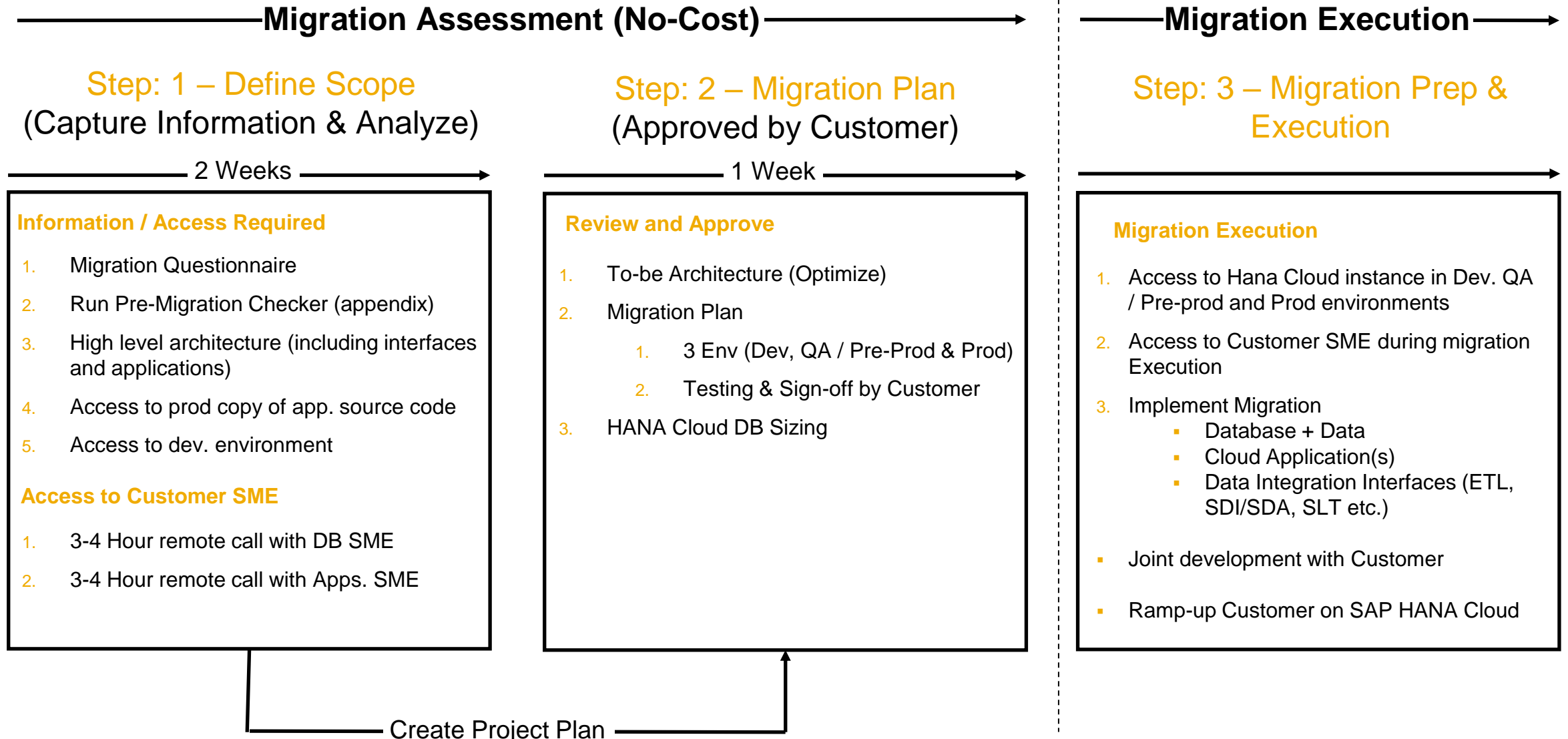
Migration Factory model is constantly realigned with SAP HANA Engineering and HANA Cloud product roadmap.

Impact on Migration :

Rapid turnaround of product related clarifications, alternative approaches to address unplanned events in migration

**the migration impact assessments are meant as guidelines and is based on standard HANA Cloud deployment scenarios.*

SAP Database Migration Factory - Engagement Model



Start now with a free trial

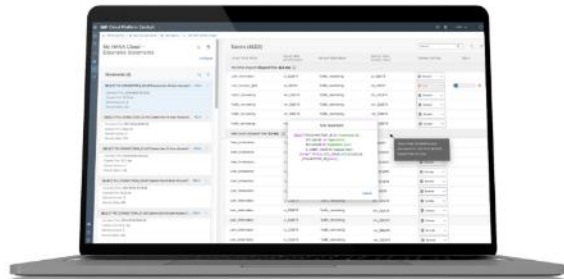
SAP HANA Cloud is available for [free trial](#)

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- 2 Extend your learning with the [SAP HANA Cloud Trial learning track](#)
- 3 Stay informed with [SAP HANA Cloud Getting Started webinars](#)

SAP HANA Cloud Trial

Sign up for the free trial now!

SAP HANA Cloud is a cloud-native database platform providing single access to all your data. Test-drive the powerful features of SAP HANA Cloud and see how you can extend your on-premise landscape to the cloud with our hybrid data strategy.



- Multi-Cloud Connectivity - Choose from different hyperscalers and connect your existing on-premise resources to multiple cloud sources
- Data Virtualization - Consolidate data from different sources and free up in-memory computing power
- Multi-temperature Data Storage - Balance performance and cost
- Data Lake - Low-cost storage on a petabyte scale
- Business Application Development - Build and run powerful applications that seamlessly connect to your database and data lake

[Start your free trial now](#)

Find out more

Learn about SAP HANA Cloud

Check out the sap.com/hanacloud website, which has valuable resources for fast-tracking your knowledge of SAP HANA and a rich support section designed to help you get the highest quality answers quickly and easily from SAP experts



Read our blog

blogs.saphana.com



Free trial

sap.com/hanacloud



Customers

sap.com/products/hana/customer-reviews.html



Roadmap

<https://roadmaps.sap.com/board?PRODUCT=73554900100800002881&range=CURRENT-LAST#Q2%202020>

Get involved in the discussion

Engage with community experts on the SAP Community program to accelerate the development of SAP HANA-powered solutions



Join the conversation

Follow @SAPinMemory

Keep updated with #SAPHANA



Spread the word

twitter.com/SAPInMemory

SAP is here to help.

Contact your local SAP representative

sap.com/corporate/en/company/office-locations.html



Industry recognition for SAP database and data management



Recognized as a Leader

- [Gartner Cloud Database Management Systems, Q4 2020](#)
- Gartner Magic Quadrant for Operational Database Management Systems, Q4 2019
- Gartner Magic Quadrant for Data Management Solutions for Analytics, Q1 2019
- [Gartner Magic Quadrant for Metadata Management, Q4 2019](#)
- [Gartner Magic Quadrant for Data Integration Tools, Q3, 2019](#)
- [Gartner Magic Quadrant for Data Quality Tools, Q1 2019](#)

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Recognized as a Leader

- [The Forrester Wave™: Data Management For Analytics, Q1 2020](#)
- [The Forrester Wave™: Translytical Data Platforms, Q4 2019](#)
- [The Forrester Wave™: Enterprise Data Fabric, Q2 2020](#)
-
- [The Forrester Wave™: Enterprise Data Virtualization, Q4 2017](#)

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Expert Q&A



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