



# **SAP Business Technology Platform**

Accelerate Innovation by Unlocking the Potential of Your Business

Joffy Mathew

SAP

PUBLIC

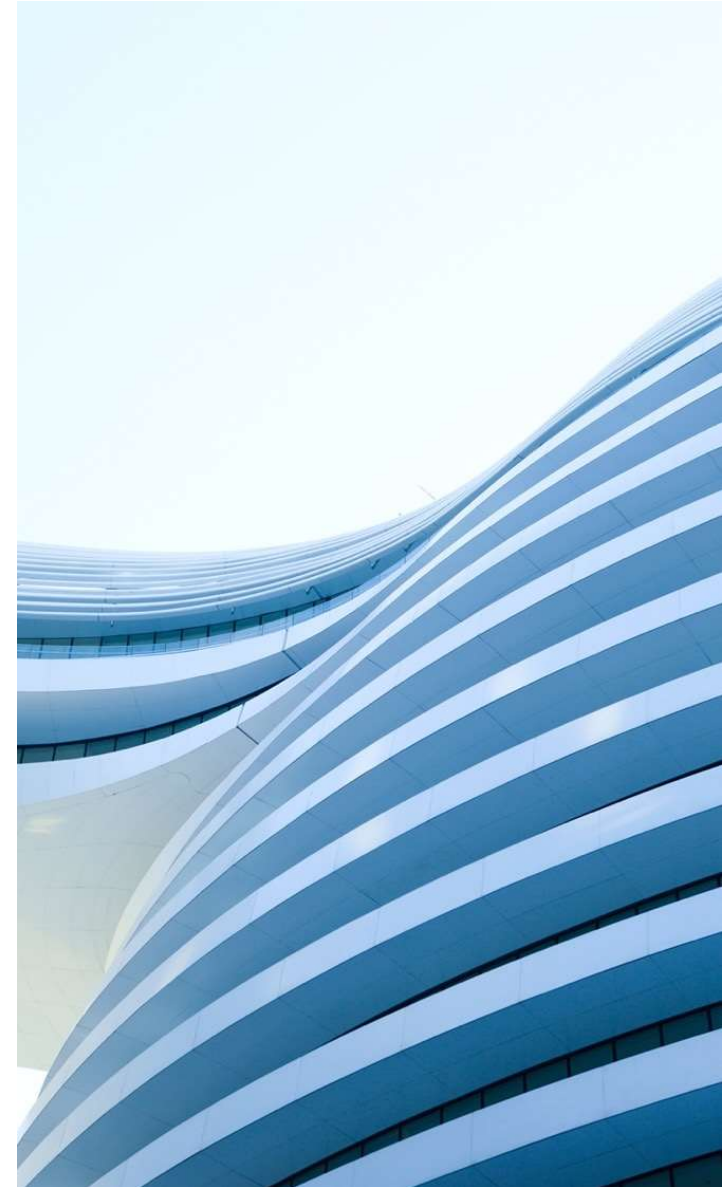
THE BEST RUN 

# What Is SAP BTP?

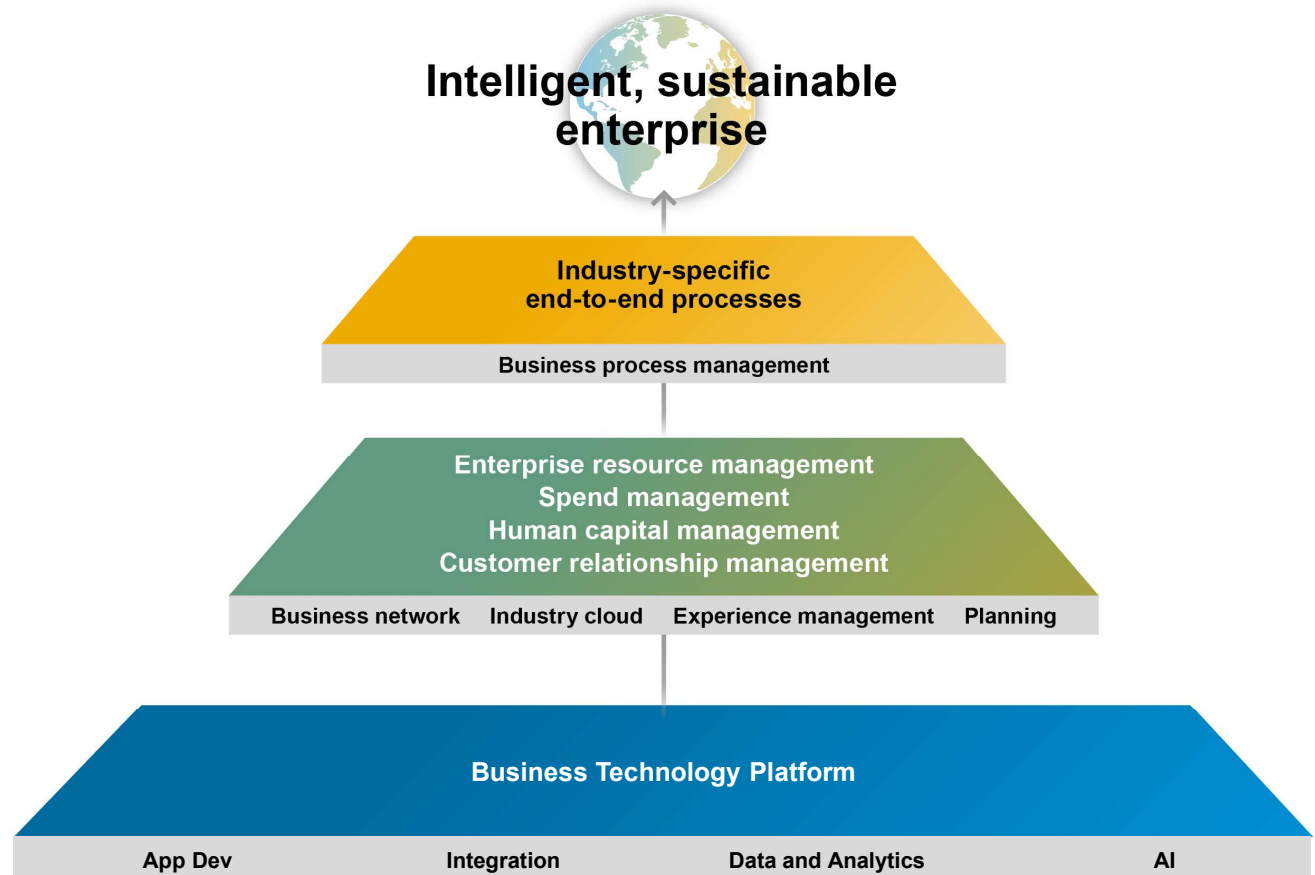
**The platform that brings together application development, data management, analytics and planning, integration, and AI capabilities into one unified environment optimized for SAP applications**

## **It is a comprehensive solution with:**

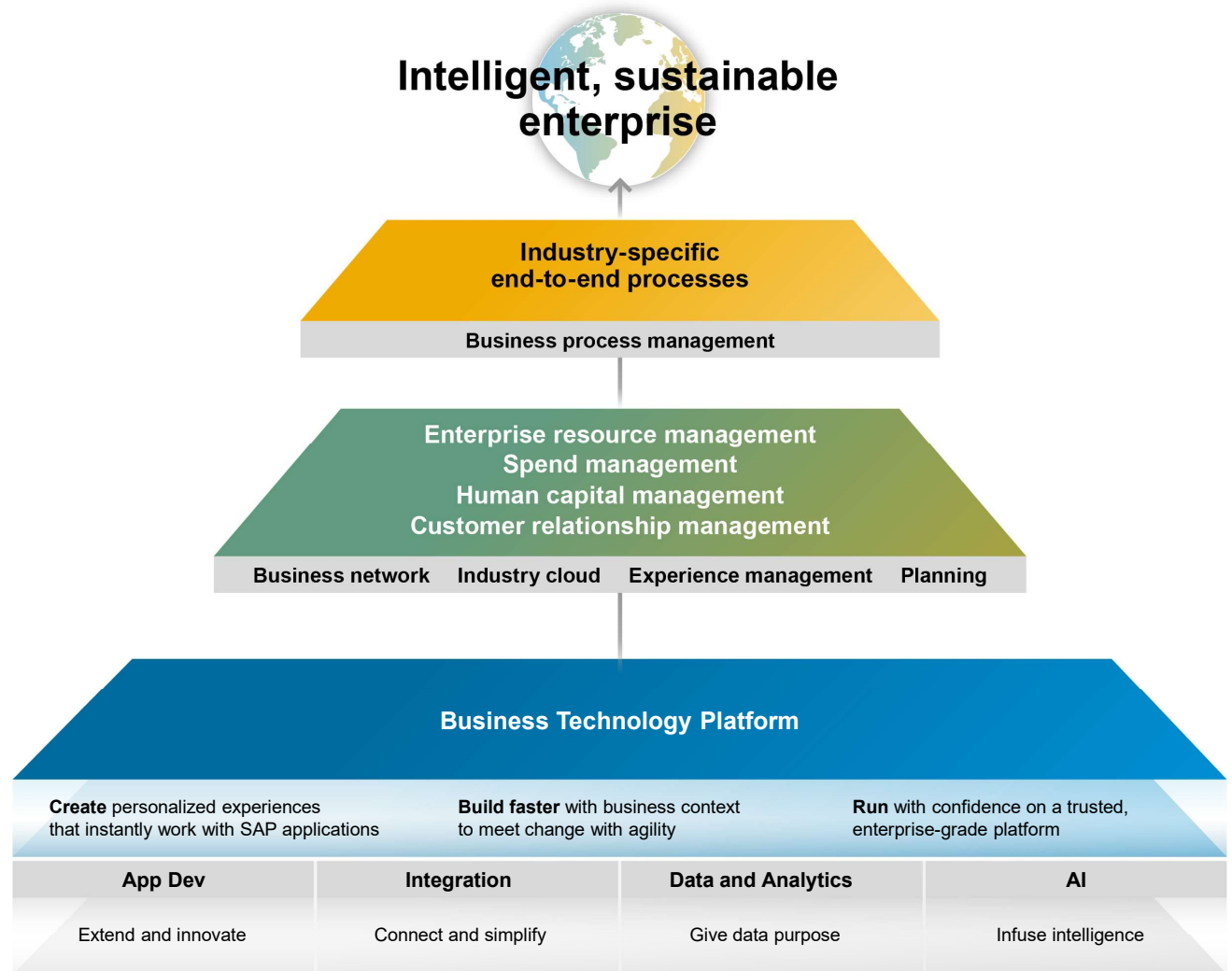
- An intuitive, modern development environment for both, professional IT and citizen/business developers
- Prebuilt data models, integrations, workflows, app templates, and AI business services
- Self-service data discovery, modeling, planning and analytics, for business users in a governed environment
- Availability on Microsoft™ Azure™, AWS™, Google Cloud™ and Alibaba Cloud™



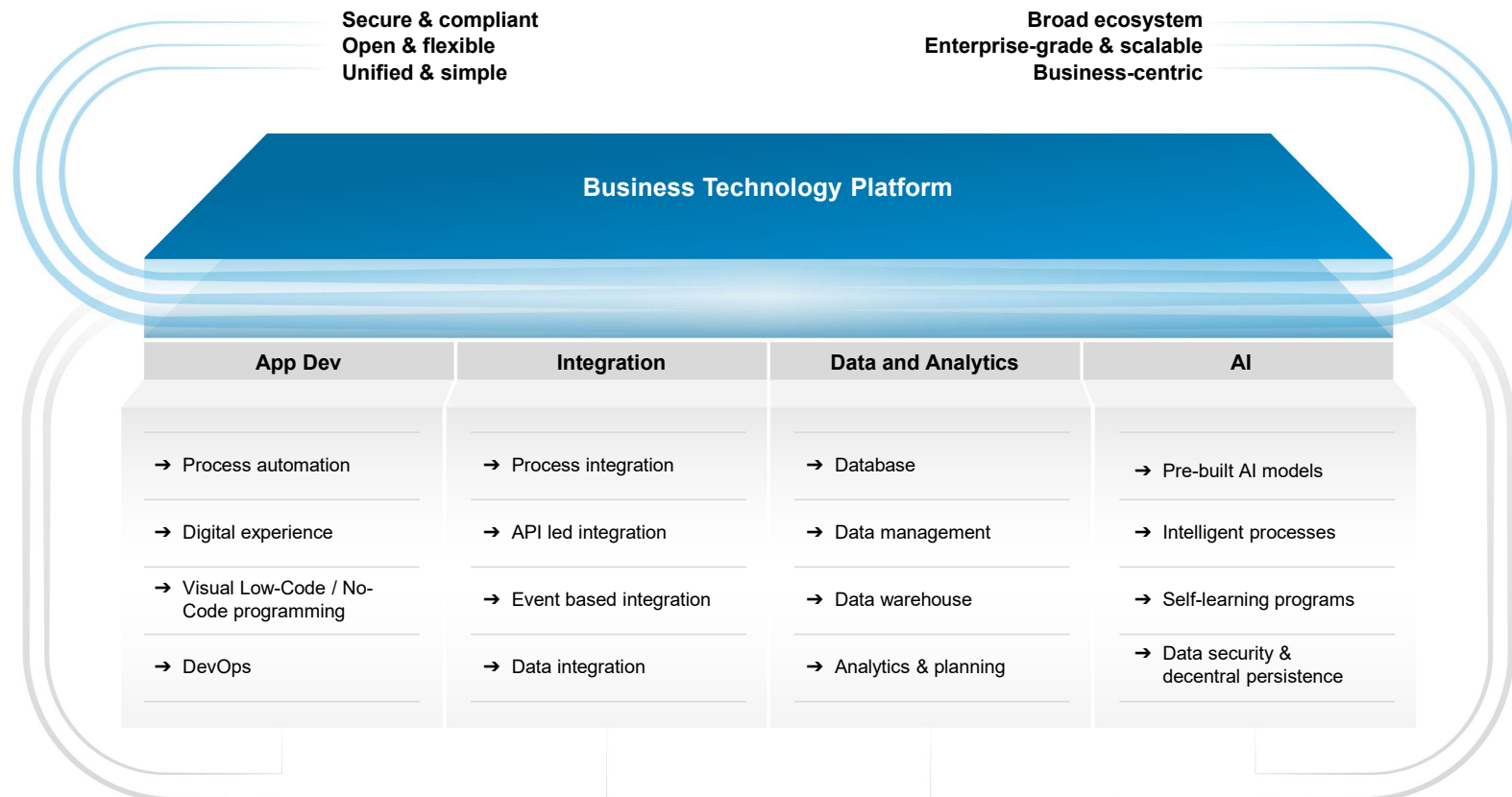
Enable every  
enterprise  
to become an  
**intelligent,  
sustainable  
enterprise**



# SAP BTP is the foundation of the Intelligent Sustainable Enterprise



# SAP BTP Cloud Capabilities



# App Development

## Extend and Innovate

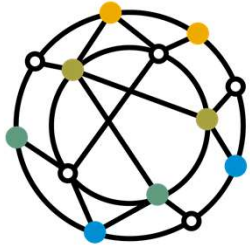
**Unmatched integration and connectivity** with SAP and third-party applications

**Simplicity** without compromise with tools **for developers of all skill levels**

**Accelerated time to value** with industry's broadest set of pre-built components



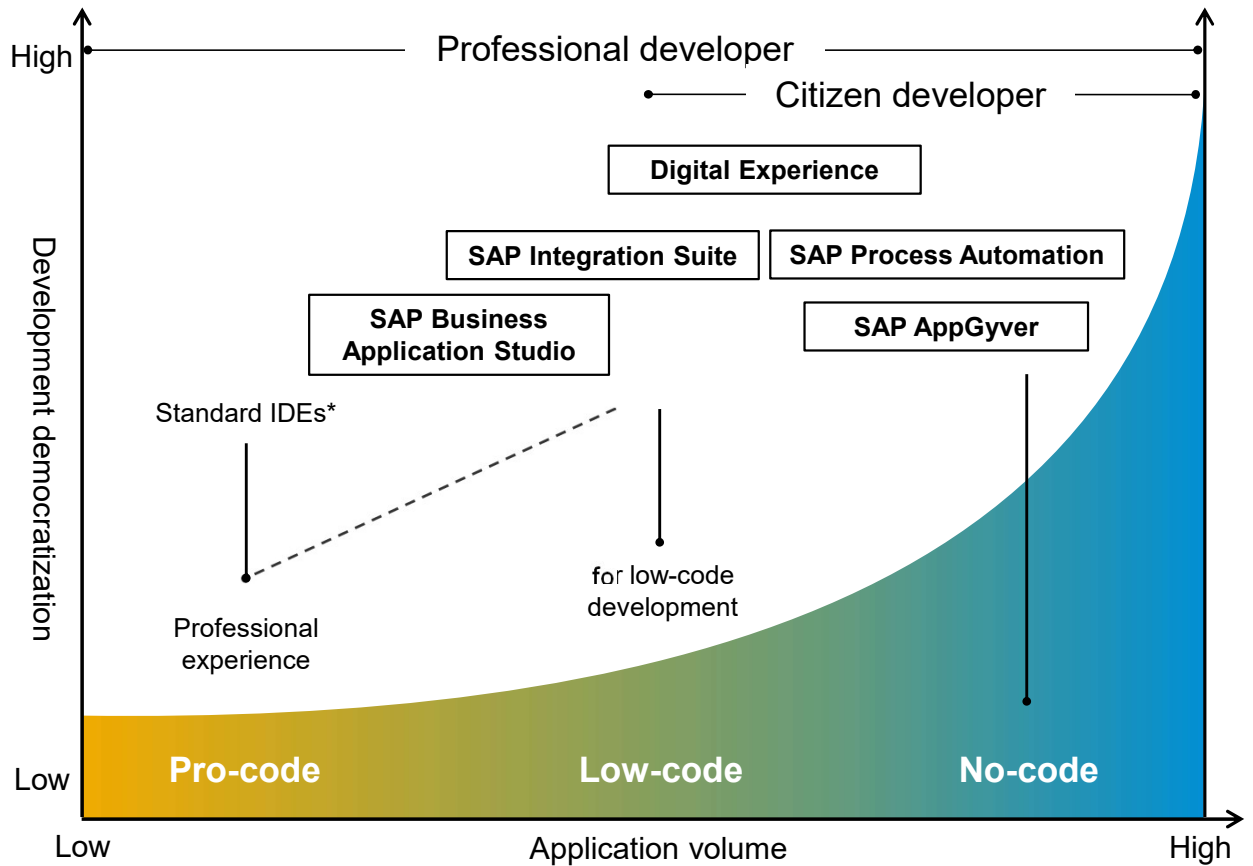




Create a **unified developer experience** that allows every developer to build apps fast, no matter the skill level

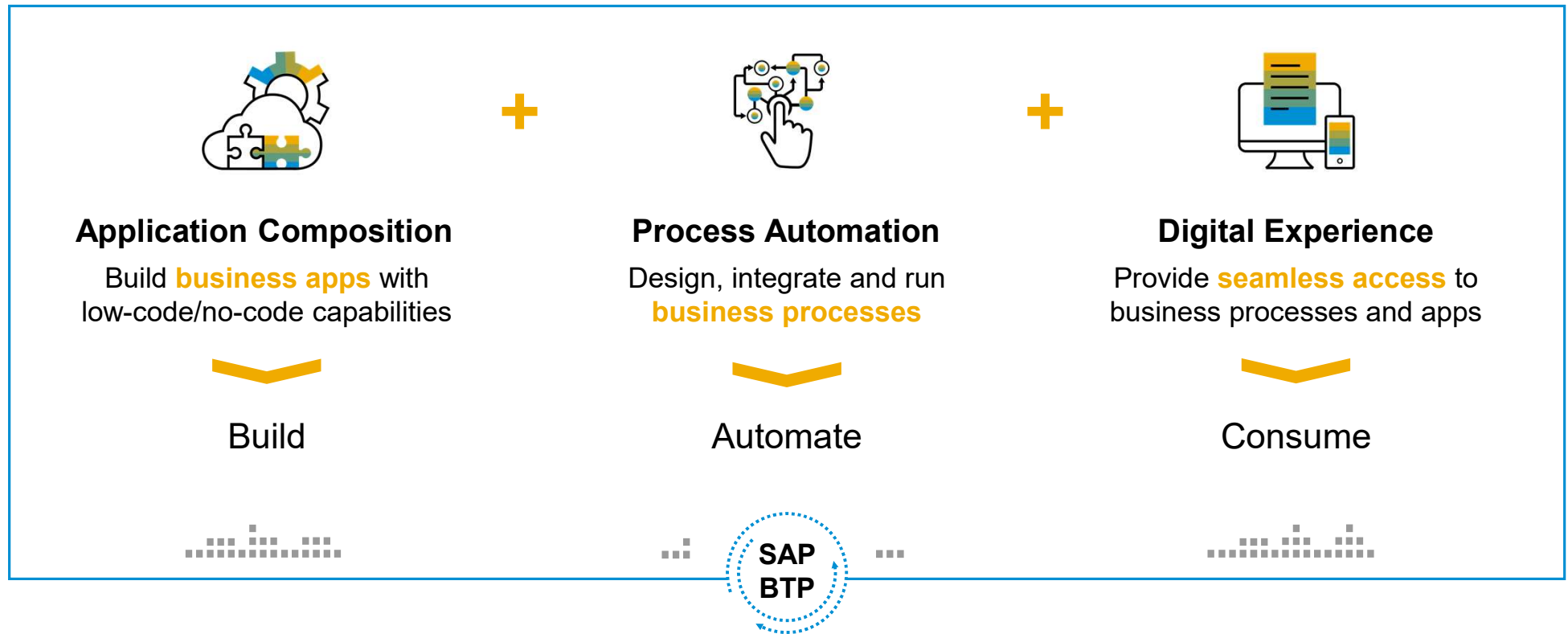
\* For example, VS code + extensions

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# Unified Experience Across Developer Continuum

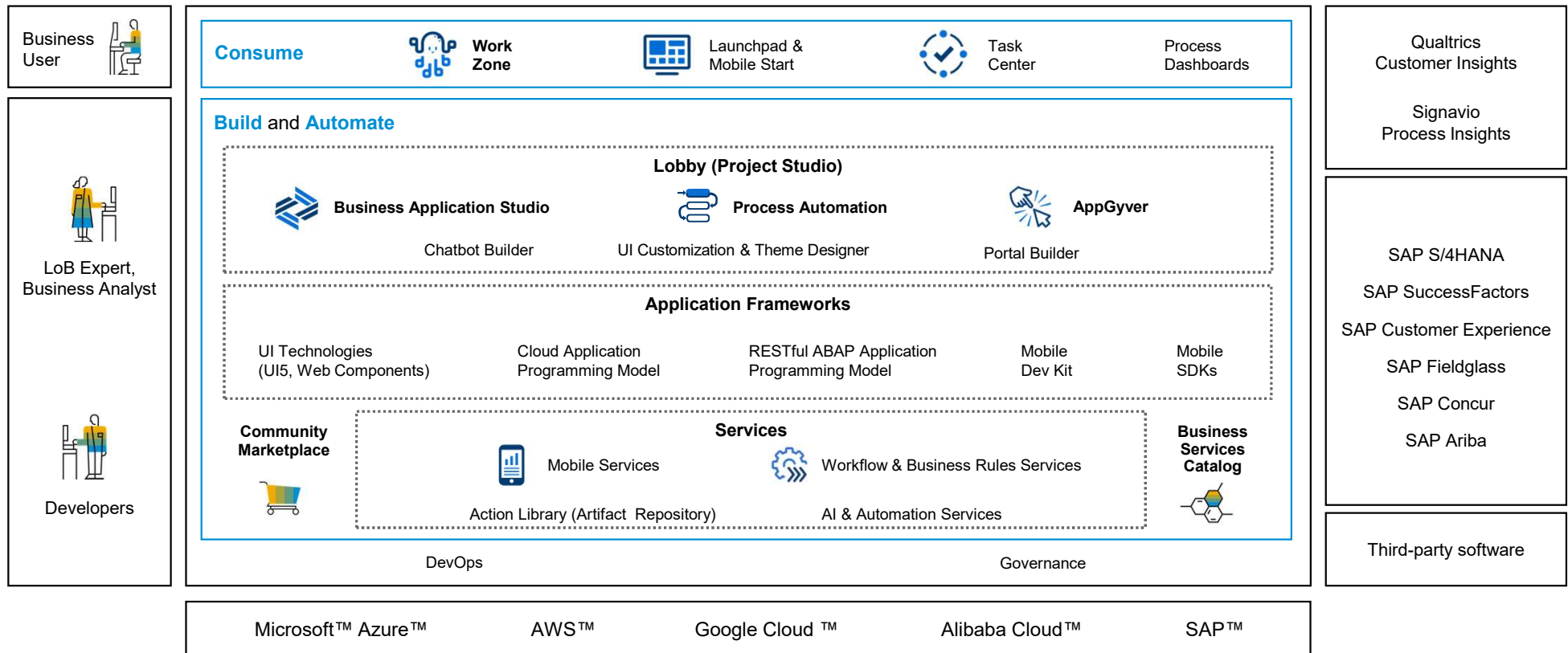
## SAP Low-Code/No-Code Unified Offering



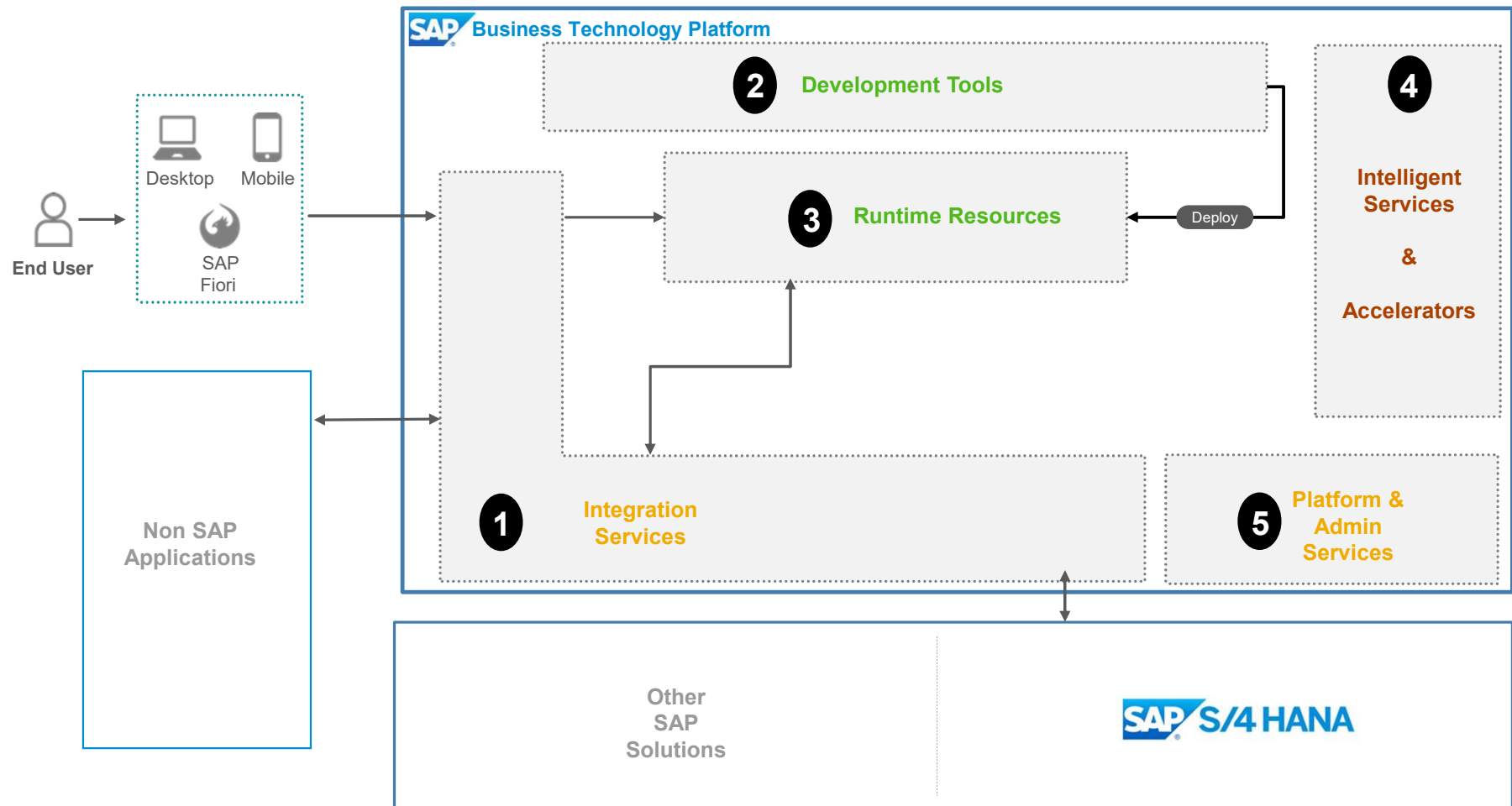


# Application Development

## Application Development, Process Automation and Digital Experience Services

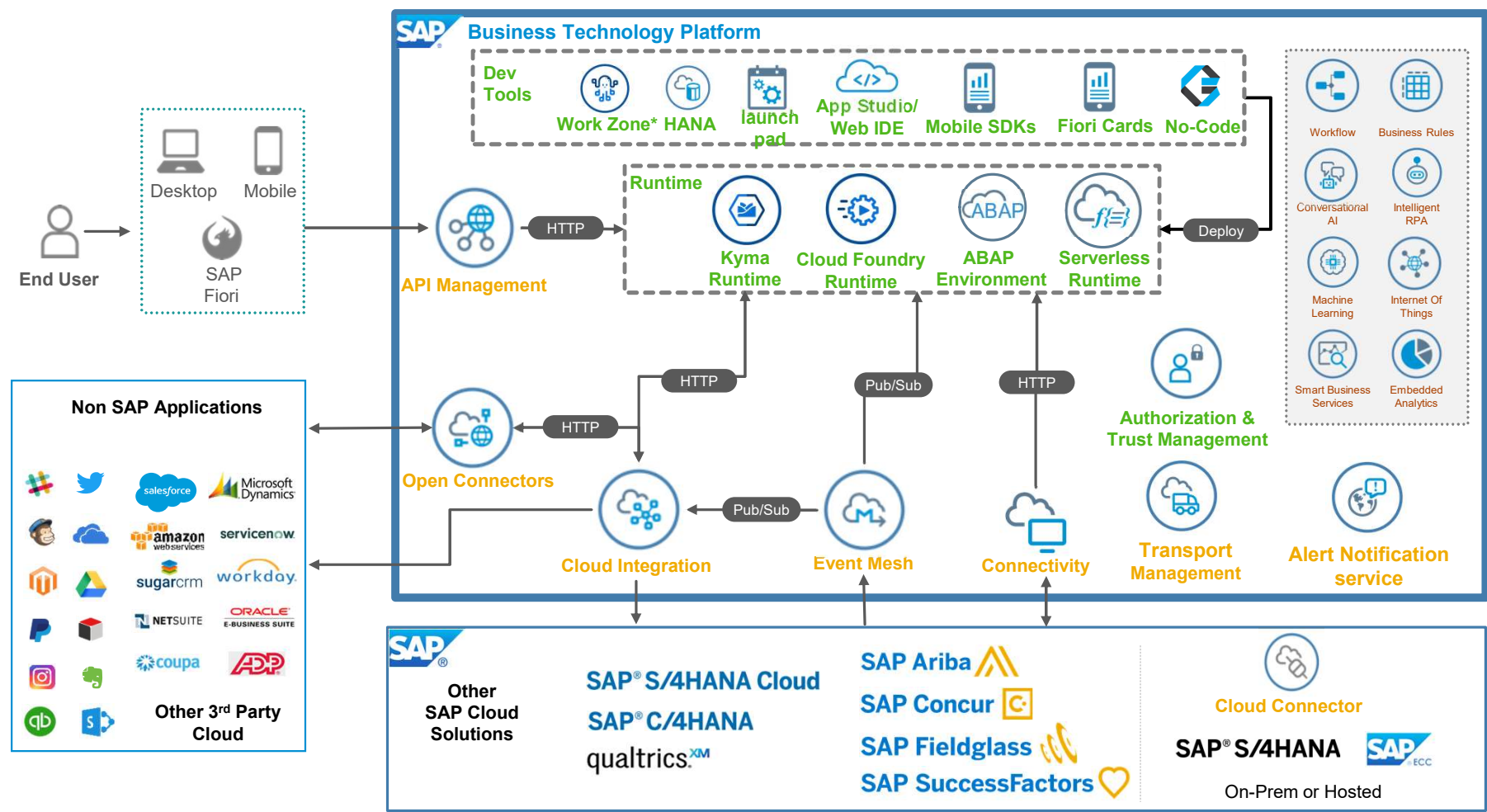


# SAP BTP App Dev and Integration Framework



# SAP BTP App Dev and Integration Framework

[Service Catalog](#)



# Customer Proof Points

## App Development and Automation

### Verge

Different apps all interfacing the ERP system orchestrating the entire manufacturing process

[→ more information](#)

### Rehau

Process Automation to automate upload of financial documents and process orders

Work Zone to provide unified user engagement

[→ more information](#)

### Rhein-Neckar-Kreis

(SuccessFactors) Work Zone for collaboration community working on different areas of refugee support between officials and volunteers

[→ more information](#)

### DHL

AppGyver mobile app for fleet service to create damage report

Native iOS and Android app for different locations

[→ more information](#)

### Royal Mail

Digital Workplace based on SuccessFactors Work Zone including transition of Jam in a large corporation

[→ more information](#)

### Uniper

Supplier payment processing improved with Process Automation with Workflow Management lead to 80% less time required to request process execution

[→ more information](#)

### Fingrid

AppGyver app for asset management with over 1 million datasets synchronized seamlessly

[→ more information](#)

### Toyota

Process Automation with Workflow Management across SAP, SuccessFactors and Salesforce

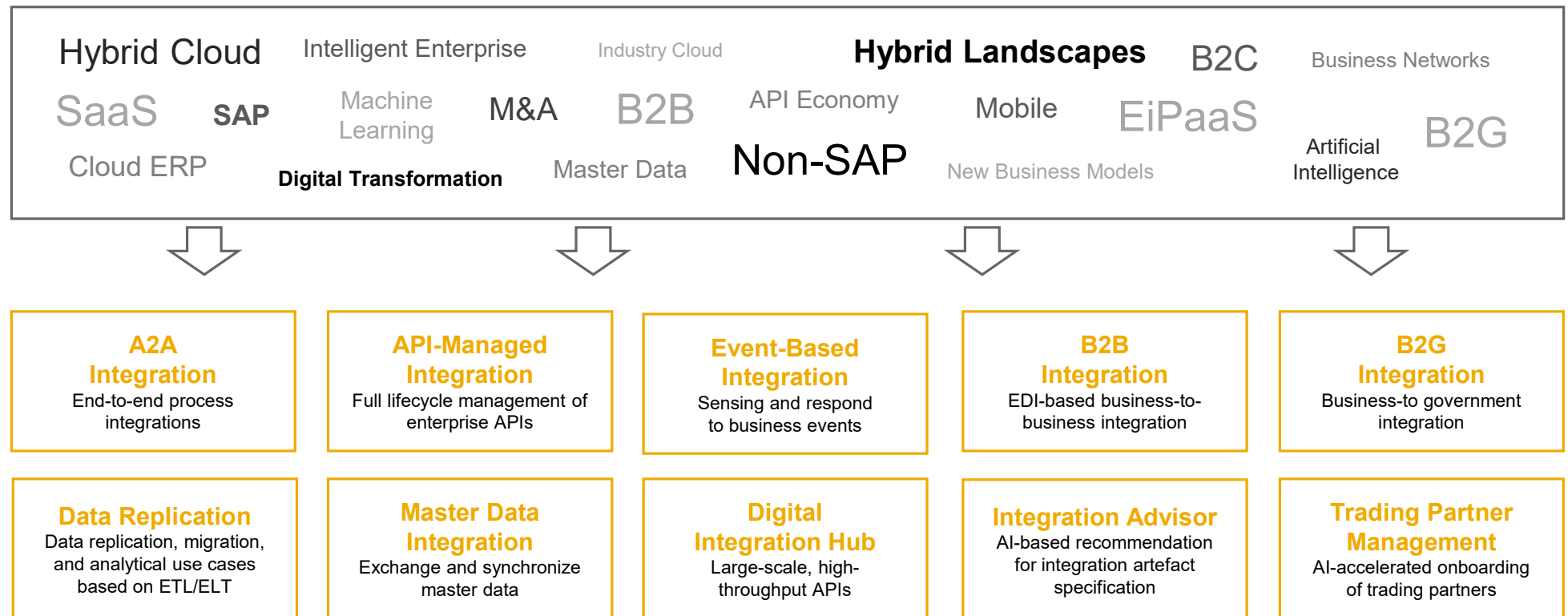
[→ more information](#)

### Villeroy & Boch

Process Automation: Intuitive functionality to create RPA bots (both attended and unattended) that follow predefined workflows based on set business rules

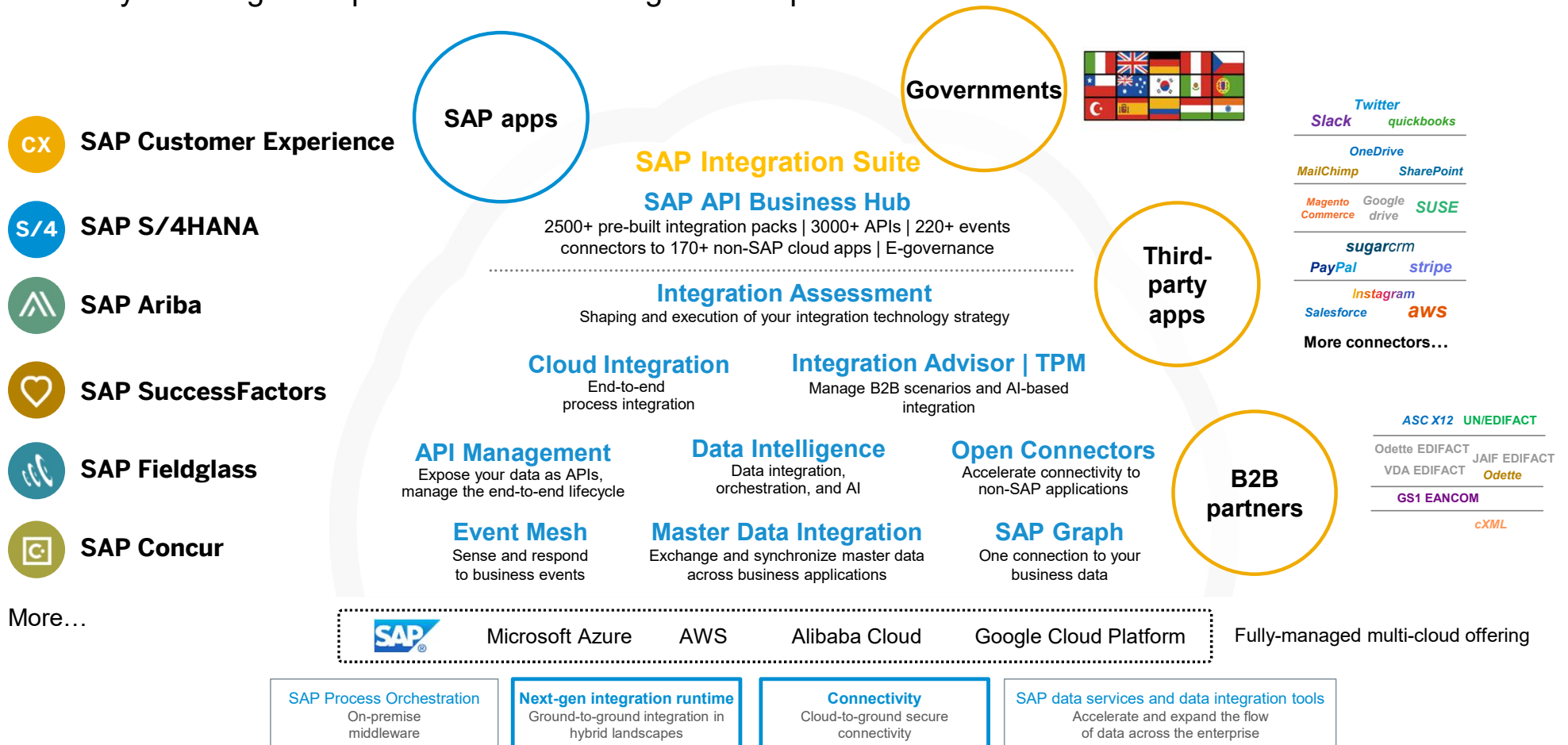
[→ more information](#)

# Fast Evolving Hybrid Landscapes

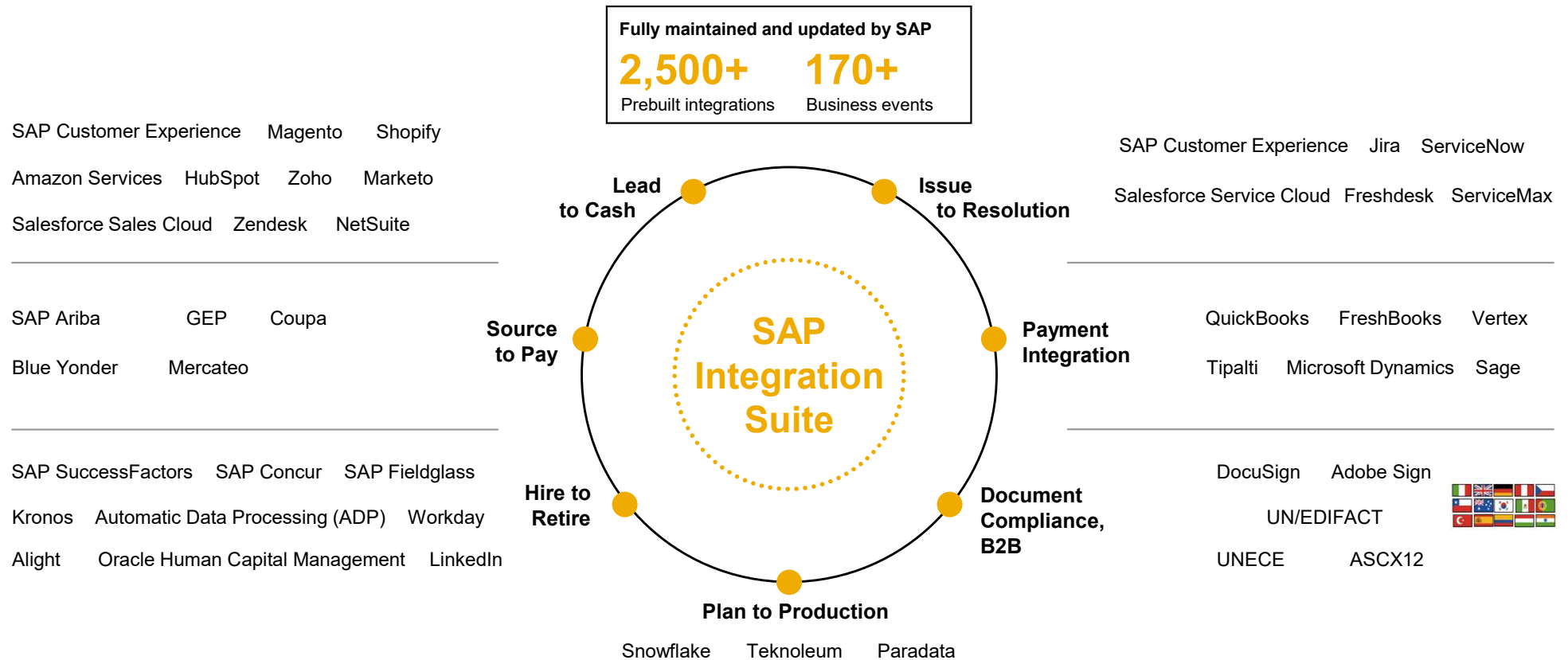


# Integration at SAP

SAP's hybrid integration platform for the Intelligent Enterprise

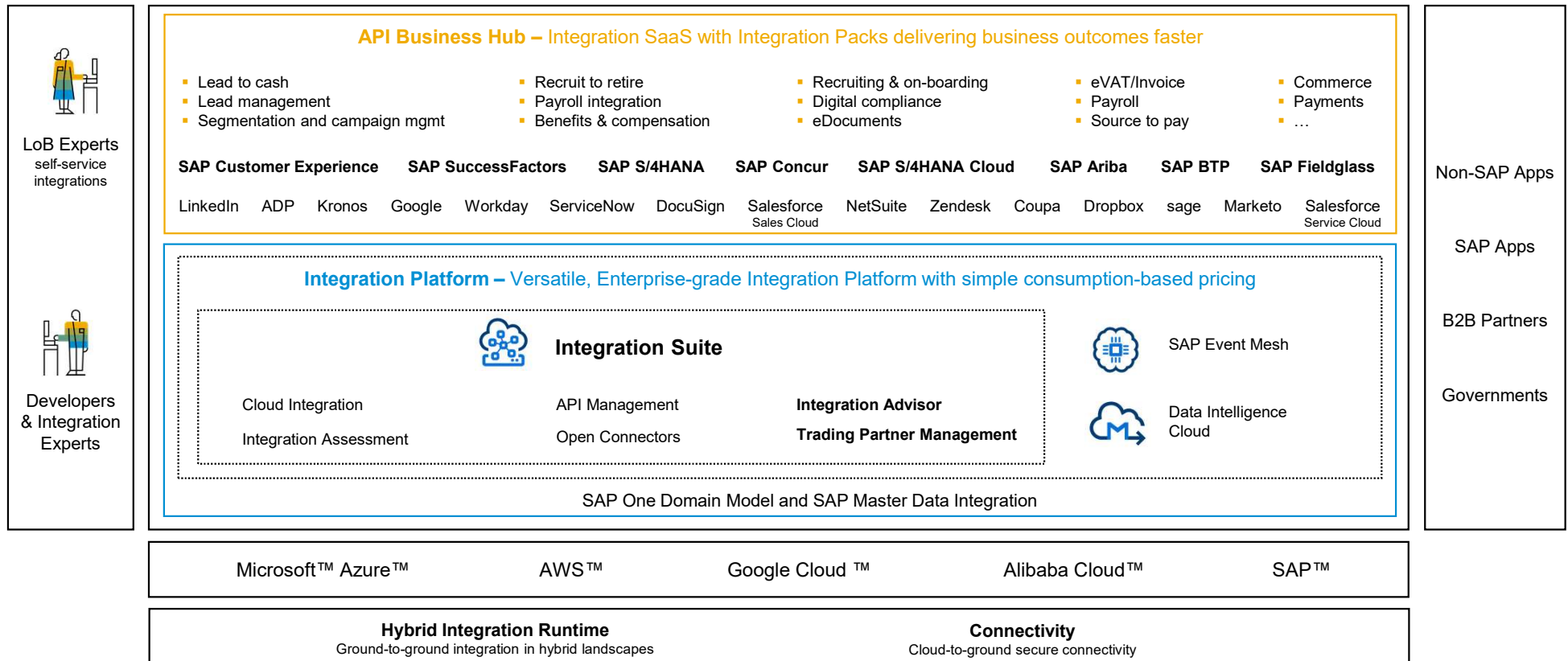
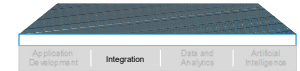


# Accelerate Integration with 2500+ Pre-Built SAP and Non-SAP Integrations





# Integration

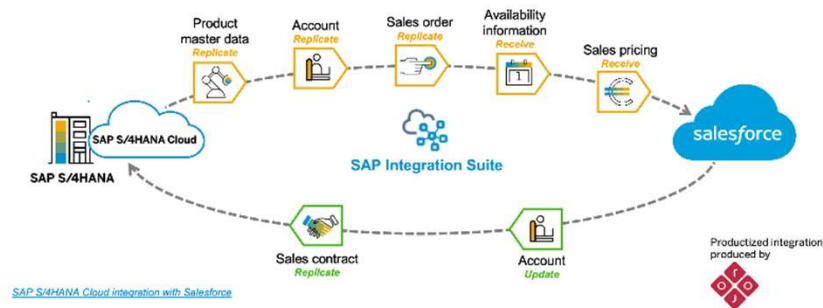


# SAP S/4HANA to non-SAP integration packs



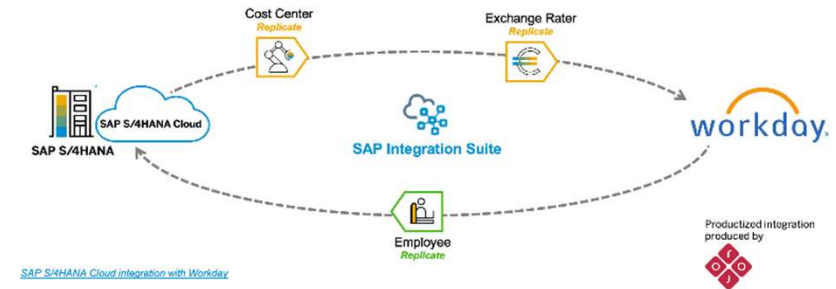
## SAP S/4HANA Cloud Integration with Salesforce

- This integration content enables you to connect SAP S/4HANA (Cloud) with Salesforce seamlessly.
- It supports automatic transfer of data between SAP S/4HANA (Cloud) and Salesforce.
- Reduce your TCO and TCI with pre-defined integration content.



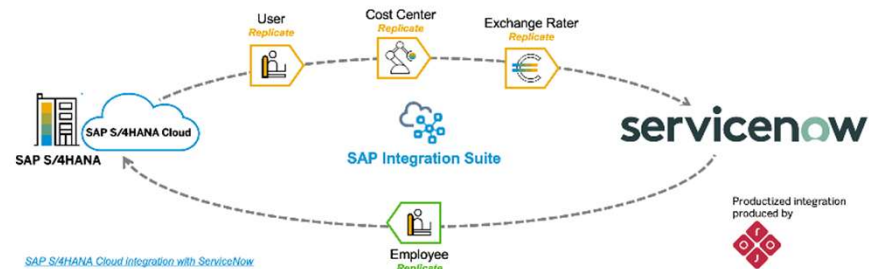
## SAP S/4HANA Cloud Integration with Workday

- This integration content gives the security of direct connectivity between SAP S/4HANA (Cloud) and Workday.
- It supports automatic transfer of data between SAP S/4HANA (Cloud) and Workday.
- Reduce your TCO and TCI with pre-defined integration content.



## SAP S/4HANA Cloud Integration with ServiceNow

- This integration content supports end-to-end integration between SAP S/4HANA (Cloud) and ServiceNow.
- It ensures master data consistency between the integrated systems.
- Reduce manual process steps and save the cost and implementation efforts.



# Customer Proof Points

## Integration

### Eneco

**50–60%**

Reduction of IT spend for integration

→ [more information](#)

### Toyota

**50%**

Reduction in integration costs using SAP Integration Suite

→ [more information](#)

### Lexus

**20%**

Faster time to market due to quicker development time frame

→ [more information](#)

### Endress+ Hauser

**>5x**

Increased project speed and reduced costs

→ [more information](#)

**20%**

Cost savings using predelivered integration packs

### Harrods

**40%**

Reduction in TCO across its integration landscape

→ [more information](#)

**60%**

Reuse of existing ESR content of PI/PO

### Q for IT

**75%**

Faster migrations to Integration Suite, compared to migrations using third-party integration tools

→ [more information](#)

### Flexso

**80%**

Faster time to value with real-time integration

→ [more information](#)

**30%**

Lower implementation costs and lower total cost of operations

### Natura

**15.2%**

Increase in sales consultant productivity in one year

→ [more information](#)

**33%**

Fewer carbon emissions through improvements across supply-chain, logistics, and production processes

### Daimani

**70+**

Currencies accepted for VIP events

→ [more information](#)

**30+**

Payment methods

# Give Data Purpose

Connect data across multi-cloud and on-premise repositories in real time while **preserving business context and semantics**

Leverage **pre-built content packages with unified SAP data models**, transformations, calculations and analyses for a variety of industry- and line of business specific use cases

**Align strategic, financial, and operational planning** with collaborative tools for budgeting, forecasting, and analysis to drive better business results



# SAP Data and Analytics Solutions Uniquely Enable Enterprises to Achieve a Deep Understanding of Your Business in Context



**Maximize the value of SAP data**  
for your most impactful decisions

**Harness** SAP data  
with complete context

**Enrich** your SAP landscape  
with non-SAP data

**Get** immediate answers  
from all types of data



**Deliver trusted insights**  
on a modern data stack

**Govern** all your data  
across the enterprise

**Give** flexibility and  
IT peace of mind

**Run** at your best with  
prebuilt content



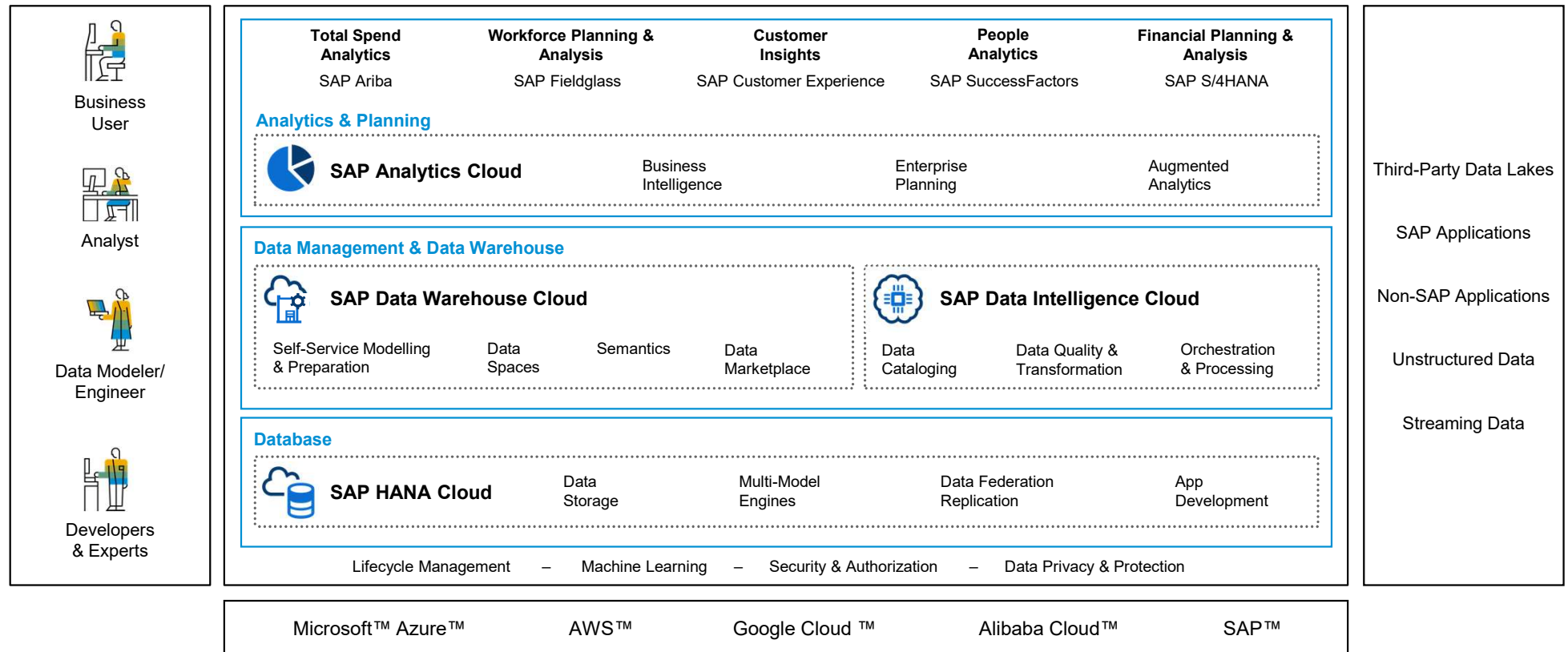
**Extend planning and analysis**  
across the organization

**Bring** together strategic,  
financial, operational plans

**Dive** from plans into actuals  
via direct integration

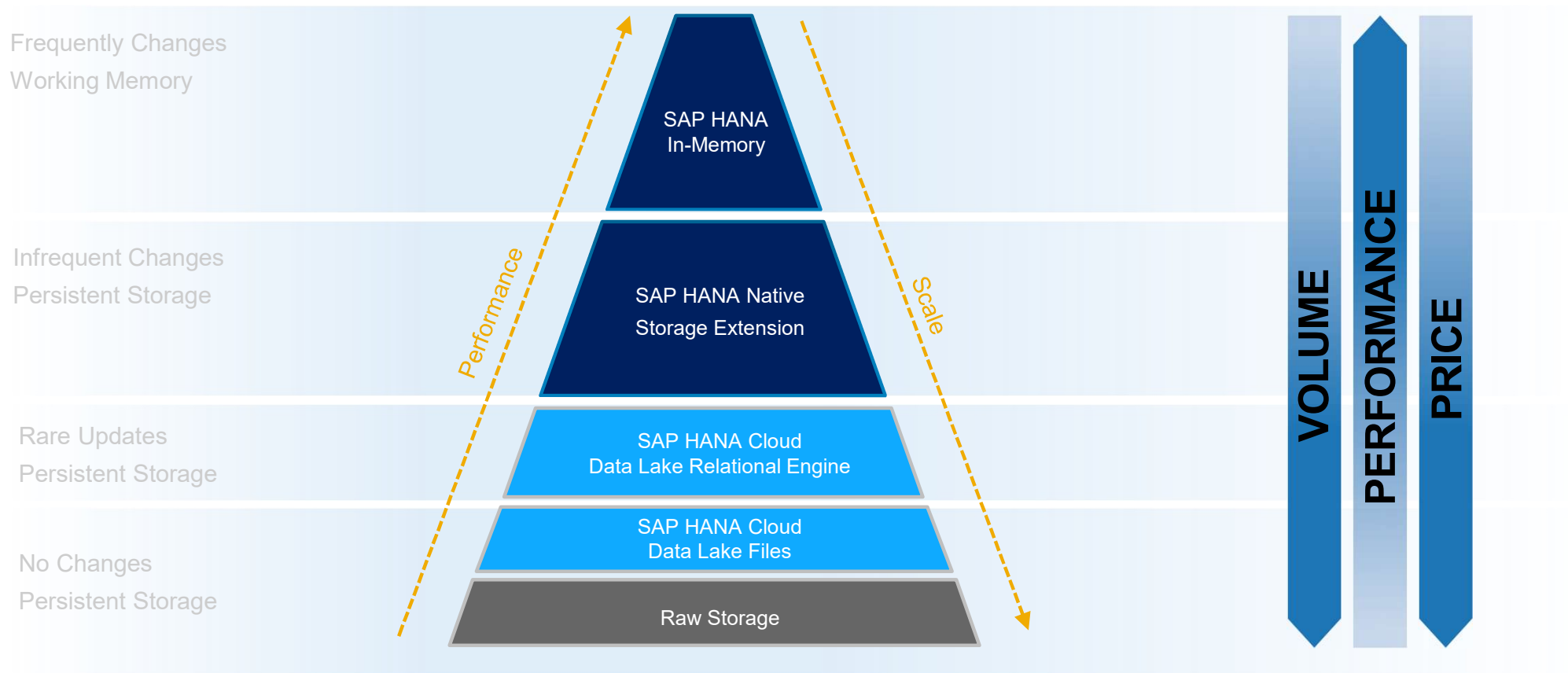
**Create** predictive plans with  
end-to-end flow

# Data and Analytics



# SAP HANA Cloud | Data Pyramid

Store Data Beyond the Scale of SAP HANA with Low Cost

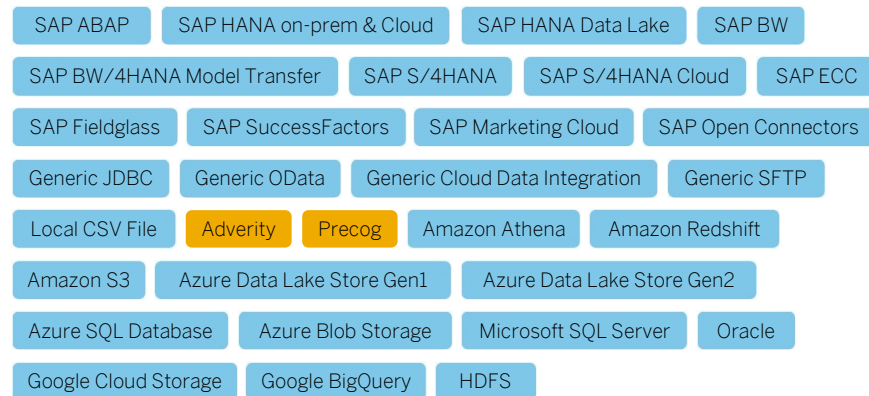




# Integrate. Data Sources Overview

## Current

### Connection Tiles

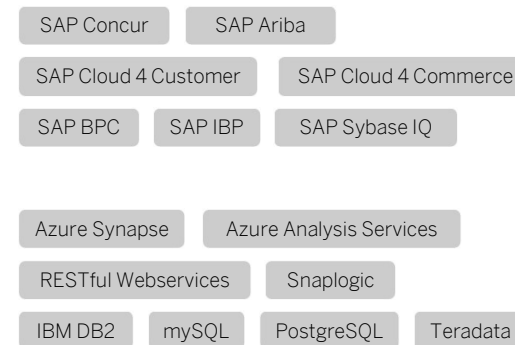


### SAP and partner tools supporting data ingestion via Open SQL Schema



## 2022 and beyond\*

### New Connection Tiles



SAP Help: [Connection Overview](#)

Available

Planned\*

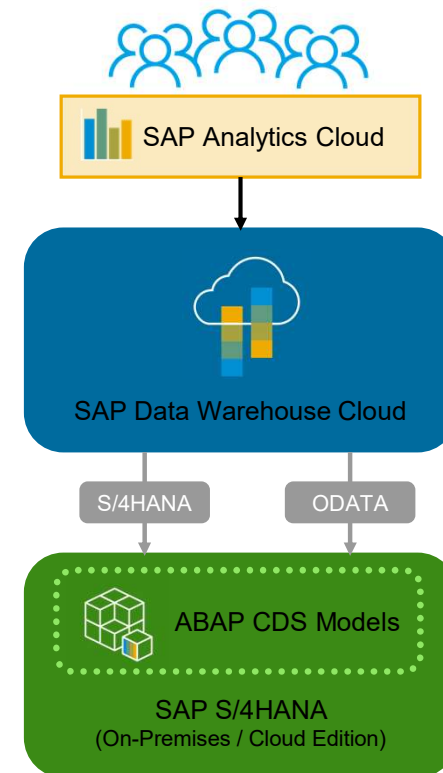
Partner

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

Note: The shown sequence does not reflect priority and timewise planning

## Integrate. Recommended Connections to SAP S/4HANA On Premises & SAP S/4HANA Cloud Edition

- SAP delivers content for the whole stack on all levels (different levels of ABAP CDS Views)
- Re-use of the S/4HANA semantics of Virtual Data Model in the form of ABAP CDS Views
- Convert the S/4HANA VDM semantics to SAP Data Warehouse Cloud entities for a selected ABAP CDS Views\*
- Generated objects allow direct analytic consumption AND the usage of the granular objects for advanced modeling in SAP Data Warehouse Cloud\*
- Federation, Replication and Extraction Scenarios using the Data Flow are possible
- The OData connection does not support remote table access



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

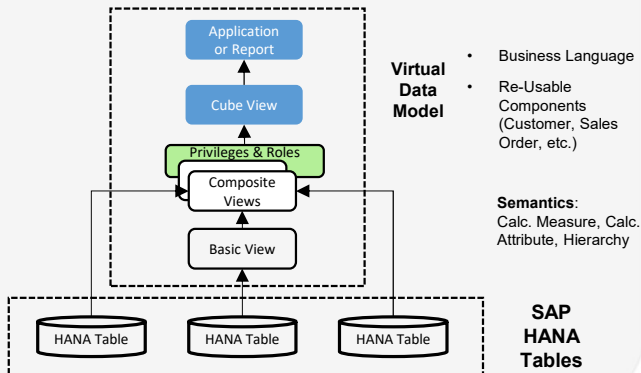
# Understand SAP Business Semantics

```

1 @ABAPCatalog.sqlViewName: 'ZIFLOWM'
2 @UserText.label: 'Table Field'
3 @Analytics.dataCategory: #DIMENSION
4 @VDM.viewType: #BASIC
5 @ObjectModel.representativeKey: 'FieldName'
6 @AccessControl.authorizationCheck: #NOT_REQUIRED
7 define view ZI_FieldName as select from d0021 inner join d0031 on d0021.tabname = d0031.tabname
8 and d0021.as4local = d0031.as4local
9 and d0021.as4vers = d0031.as4vers
10 association [0..*] to ZI_FieldNameText as _FieldNameText on $Projection.Tablename = _FieldNameText.Tablename
11 and $Projection.FieldName = _FieldNameText.FieldName
12 association [0..1] to ZI_Tablename as _Tablename on $Projection.Tablename = _Tablename.Tablename
13 {
14   @ObjectModel.foreignKey.association: '_Tablename'
15   key d0031.tabname as Tablename,
16   @ObjectModel.text.association: '_FieldNameText'
17   key d0031.fieldname as FieldName,
18   _FieldNameText,
19   _Tablename
20 }
21 where ( tabclass = #tabclass.'TRANSF' or tabclass = #tabclass.'INTTAB' )
22 and ( d0031.comptype = #comptype.'E' or d0031.comptype = #comptype.' ' )
23 and d0031.as4local = 'A'
24 and d0031.as4vers = '0000'

```

## S/4HANA

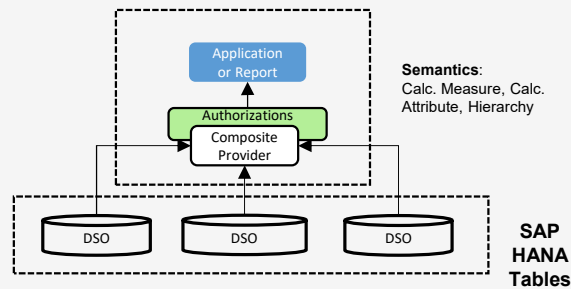


```

Type: Message Text
LTd
Compounded Character 4DWC_DEMO-CATEGORY not supported as a dimension
Compounded Character 4DWC_DEMO-CITY not supported as a dimension
Compounded Character 4DWC_DEMO-COUNTRY not supported as a dimension
Compounded Character 4DWC_DEMO-MARKET not supported as a dimension
Compounded Character 4DWC_DEMO-ORDERDATE not supported as a dimension
Compounded Character 4DWC_DEMO-ORDERID not supported as a dimension
Compounded Character 4DWC_DEMO-REGION not supported as a dimension
Compounded Character 4DWC_DEMO-SALESMANAGER not supported as a dimension
Compounded Character 4DWC_DEMO-SEGMENT not supported as a dimension
Compounded Character 4DWC_DEMO-SHPDATE not supported as a dimension
Compounded Character 4DWC_DEMO-STATE not supported as a dimension
Compounded Character 4DWC_DEMO-SUBCATEGORY not supported as a dimension
Compounded Character 4DWC_DEMO-VERSION not supported as a dimension

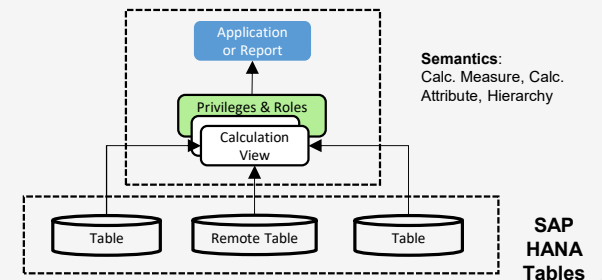
```

## BW on HANA / BW/4



| Type | Name            | Label         | Aggregation | Variable |
|------|-----------------|---------------|-------------|----------|
|      | I_ITEM_SK       | I_ITEM_SK     |             |          |
|      | I_ITEM_ID       | Item ID       |             |          |
|      | I_CURRENT_PRICE | Current Price |             |          |
|      | I_CLASS         | Class         |             |          |
|      | I_CATEGORY      | Category      |             |          |
|      | I_CC_NAME       | Name          |             |          |

## HANA based non-ABAP applications (SAP / Customer)



## Calculated Measure, Calculated Attribute, Hierarchy

# Operate. Spaces

## Independent virtual work environments

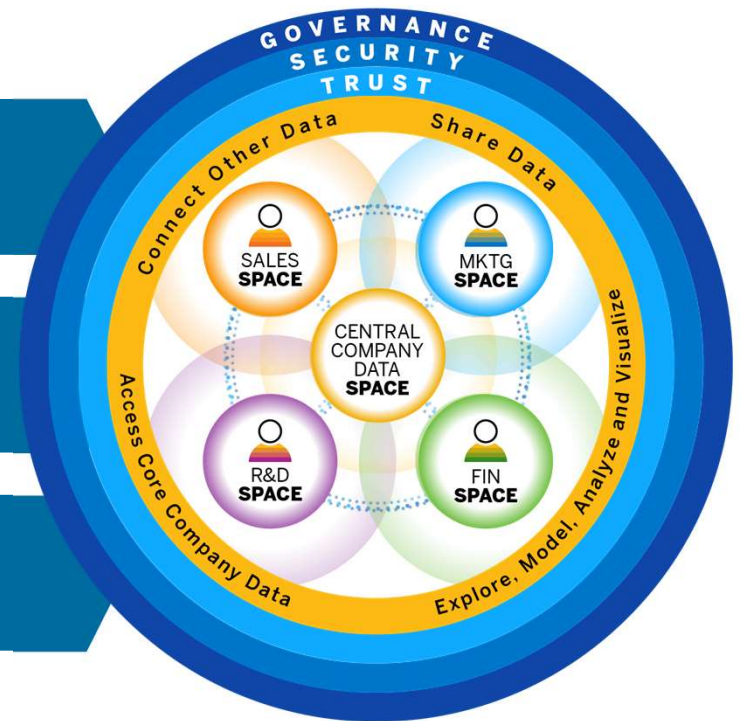
for departments, LOB's, data domains, project teams, and individuals

## Data sharing fosters collaboration

between IT, business units, and projects to connect global & local data

## Get in control of data sprawl

by reusing shared data & avoid maintaining disconnected data sets



# Customer Proof Points

## Data & Analytics

### Costain

#### 60% cost savings

Of IT infrastructure due to data virtualization capability of SAP HANA

[→ more information](#)

### Porsche

#### Days to hours

Reduction of sales meeting preparation with faster access to data and insights

[→ more information](#)

### Roche

#### Weeks to hours

To generate a US\$4.2 billion financial forecast

[→ more information](#)

### Zalando

#### Faster time to value

3 months to convert the legacy data landscape to next-generation data warehouse

[→ more information](#)

### Parkland

#### Better emergency room decisions

with increased visibility of current and trending ER patient volume

[→ more information](#)

### NHL

#### 30 gigabytes

Of archived data per game analyzed instantly

[→ more information](#)

### Vestas

#### Months to days

Reduction in IT lead times

[→ more information](#)

### Paul Hartmann

#### Up to 20%

potential increase in automated ordering

[→ more information](#)

### Motor Oil Group

#### > 77%

accuracy in explaining abnormal events from 120 to 20 hours

[→ more information](#)

# **SAP's Multi-Cloud Strategy**

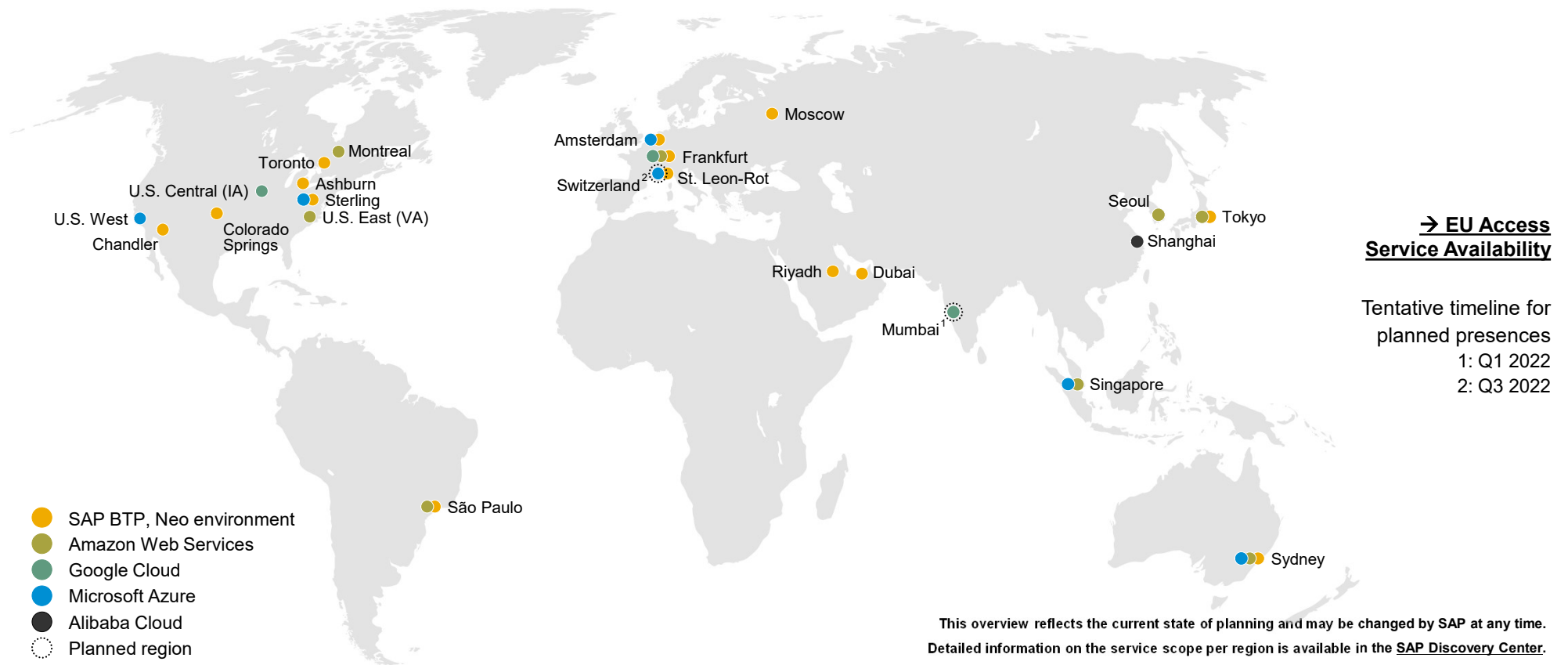
## SAP's Multi-Cloud Strategy

# SAP BTP **and** Hyperscaler?



# SAP Business Technology Platform Regions

## Overview



## Work with the Cloud Provider of Your Choice

SAP BTP Runs on the World's Most Scalable IT Infrastructure, Giving You the Opportunity To ...



Benefit from the  
**latest infrastructure  
innovations**



**Combine SAP BTP**  
with hyperscaler  
services



**Improve speed and agility**  
by co-locating SAP BTP with  
your existing cloud applications

# SAP BTP Services Certifications and Attestations

## SAP BTP runs in secure and certified environments

- World-class data centers
- Advanced network security
- Reliable data backup

## SAP BTP services attestations and certifications can be found under the naming in the SAP Trust Center

### For more details, see

- [SAP Data Center](#)
- [SAP Cloud Trust Center](#)
- [Service level agreement for SAP Cloud Services\\*](#)

\* Please also refer to the respective [product supplements](#)

## Certifications & Attestations

- ISO27001, ISO27017, ISO27018
- ISO22301
- SOC1 (ISAE3402), SOC2 (ISAE3000)
- C5 (ISAE3000)
- CSA STAR Level 2
- TISAX
- EU Cloud Code of Conduct
- HDS
- ISMAP
- KRITIS
- FedRAMP/ITAR

