

# Maatwerk in SAP

## Cloud ERP

Webinar Special Maart 2026

### AGENDA

- Introduction
- Developing the Cloud Mindset
- In-App Extensibility options
- Side-by-Side Extensibility options
- Innovations – Accelerators
- Maintenance – Lifecycle Management
- Q&A

## Presenters



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# Introduction

Scheer IDS Netherlands

100% focus Public Edition

# Y Scheer IDS

***The introduction of Cloud ERP is not an IT project.***

***It is a strategic business initiative.***

***That is why Scheer IDS Netherlands has chosen to specialize 100% in SAP S/4HANA Cloud Public Edition.***

***This focus reflects our response to changes in the ERP market and to the growing demand for modern, adaptable enterprise solutions***



# Our 100% Focus Public Edition recognitions

**2026**

SAP Gold Partner – Certification & Customer Success & Performance Measurement

**2025**

SAP Rising Star – Public Edition

Finalist Nominations “SAP Delivery Quality” and “SAP New Acquisition” awards

**2022**

Initiated and Chairman VNSG Focus Group SAP S/4HANA Cloud Public Edition

**2018**

SAP Qualified Partner Package Solutions (2018, 2020, 2024) to ensure rapid and solid implementations

# Our SaaS-ERP Footprint with SAP Public Cloud ERP Solutions

**Scheer** IDS

**Scheer** IMC

**Scheer** PAS

Beddinghouse

**ADVIRIO**



# Our Industry Focus Areas

**Y Scheer IDS**



 alive again and again DSM		 DE KERN VOOR SUCCES DSM	
Consumer Products	Consumer Products	Life Sciences	Automotive



<b>Y Scheer</b>	<b>ORDINA</b>	<b>Porsche Digital</b>	<b>Pfeifer &amp; Langen IP</b>
Professional Service	Professional Services	Professional Services	Manufacturing



<b>ROMER</b> Romer Labs DSM	<b>i-Health</b> A Division of DSM	<b>KERCKHAERT</b> ROYAL HORSESHOE FACTORY	<b>VERKOR</b>
Consumer Products	Supply Chain Mngt.	Manufacturing	Manufacturing

<b>Porsche Digital</b>	<b>THE OCEAN CLEANUP</b>
Professional Services	Professional Services

**Y Scheer IMC**

**Y Scheer PAS**



**ADVIRIO**

<b>pon</b>	<b>FINE FIELD</b> INNOVATIVE AGRI SOLUTIONS	<b>SCHURTER</b> ELECTRONIC COMPONENTS
Automotive	Manufacturing	Manufacturing



<b>aramco</b>	<b>bol.</b>	<b>OCI Global</b>
Finance Led ERP	Finance Led ERP	Finance Led ERP

# Scheer IDS Nederland

**Industries:** Manufacturing and Automotive, Life Sciences, Consumer Products, Professional Services

**Y Scheer IDS**

**> 50**  
GO-lives with SAP

**> 35**  
Consultants only focusing on Public Cloud of SAP S/4HANA

**14+**  
Years Experience with SAP Cloud ERP

**30**  
Offices

**> 1200**  
Employees

**> 1.300**  
Customers

## Scheer Worldwide

**Focus:** Europa, Middle East, Americas, Asia

**Since 1984**

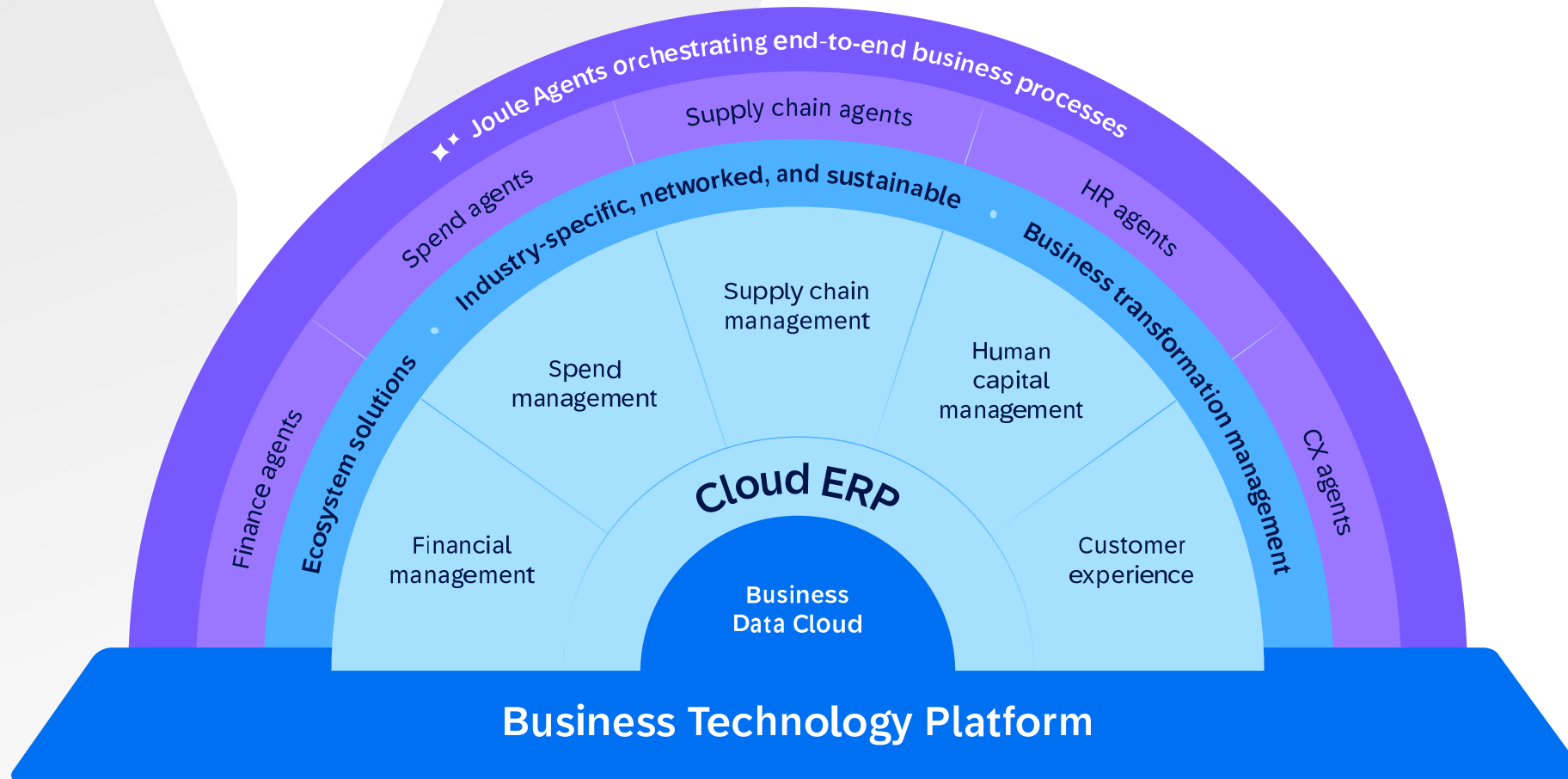
Founding of IDS Scheer AG | ARIS



# Developing the Cloud Mindset

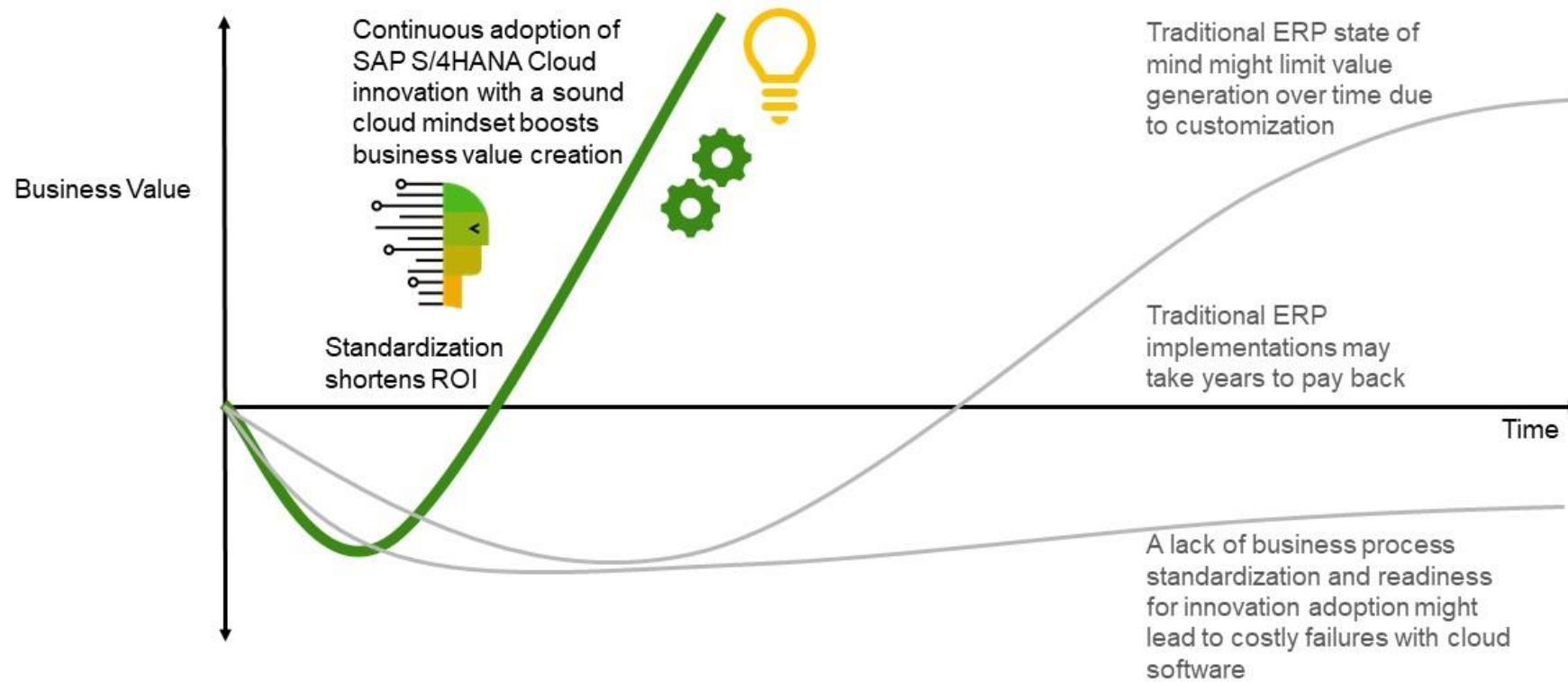
# Developing the Cloud Mindset

The future of enterprise management with SAP Cloud ERP at center



# Developing a Cloud Mindset

## SAP S/4HANA Cloud: SaaS ERP for fast ROI and steep value growth



Note: Curves are schematic and may not be representative of any or all actual implementations. Individual project results may vary

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# Developing a Cloud Mindset

**Classic Extensibility** was used by customers in their ERP solution.

- Using Classic Development **Tools** and **Techniques** (Eclipse, BAdIs, SE80, etc.)
- Extremely **flexible** and allows to **modify** the SAP code itself

Drawback of Classic Extensibility is the **High Effort of Upgrades**.

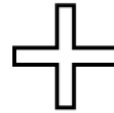
- Missing clear interface between SAP code and extensions might lead to issues in the extensions during upgrades
- Upgrades require **high planning, regression tests** and **adaption efforts**

S/4HANA Public Cloud uses the **Clean Core Approach**: this is the backbone for the S/4HANA Cloud **Extensibility Model**

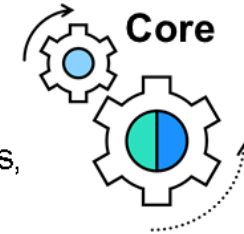
# Developing a Cloud Mindset



**Clean** Clean means up-to-date, transparent, unmodified, consistent, efficient and cloud compliant.

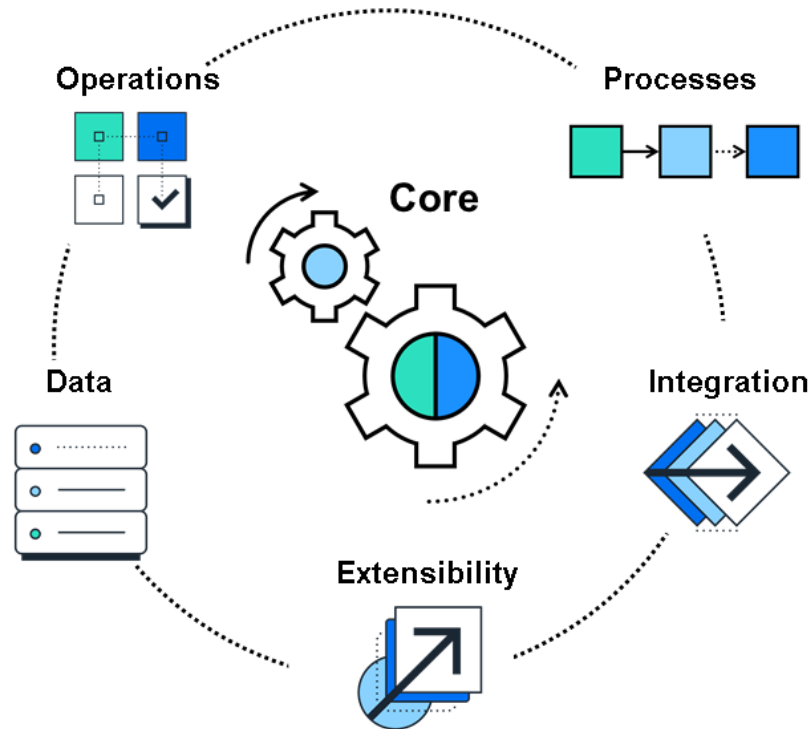


The core describes the **main aspects of an ERP system**, namely extensibility, processes, data, integration and operation. Capabilities of the core depend on the implemented software-stack.



For Clean Core, the **best-case scenario** describes an up-to-date system on the latest release, with cloud compliant extensions and integration, with optimal master data quality and with perfect process design.

A new SAP S/4HANA Cloud, public edition system is clean by definition.



# Developing a Cloud Mindset

## Benefits of having a clean core



**Access to Innovation**



**Upgrade simplicity**



**Lower TCO**



**Enhanced security**



**Improved performance**



**Data simplification**

# Developing a Cloud Mindset

*We can't customize  
the system to fit our  
unique needs*

*Standardized processes  
won't work for us*

*You can't do  
ABAP anymore*

## Is this true?

*SAP controls everything:  
we'll be locked in*

*We can't modify the  
code,  
so we can't meet our  
business needs*

*The cloud version is less  
capable than on-premise.*

*There's no flexibility  
in UI/UX*

# Developing a Cloud Mindset

with many extensibility options, including low code tools that require minimal IT training

## Key User Extensibility

- Custom fields, UI layout, forms and templates
- Custom analytics
- Custom Business Objects
- Create custom business logic (simple)

## Developer Extensibility

- Develop custom business logic (advanced)
- Extend SAP Cloud ERP
- Partner extensions
- Directly on SAP Cloud ERP stack

## Low Code Extensibility

**Low-code/No-code development by business users / non-developers**

- Low code development
- Low code process automation
- Low code portals and collaboration hubs

## Pro Code Extensibility

**Powerful tools for developers**

- AI business services
- Data science and intelligence
- IoT and big data
- Develop full SaaS applications
- Create data marts + x-app analytics



**Keep core clean and deliver breakthrough extensibility**

EXTENSIBILITY INTEGRATED IN SAP CLOUD ERP

SIDE-BY-SIDE EXTENSIBILITY

# Developing a Cloud Mindset

## Key User Extensibility:

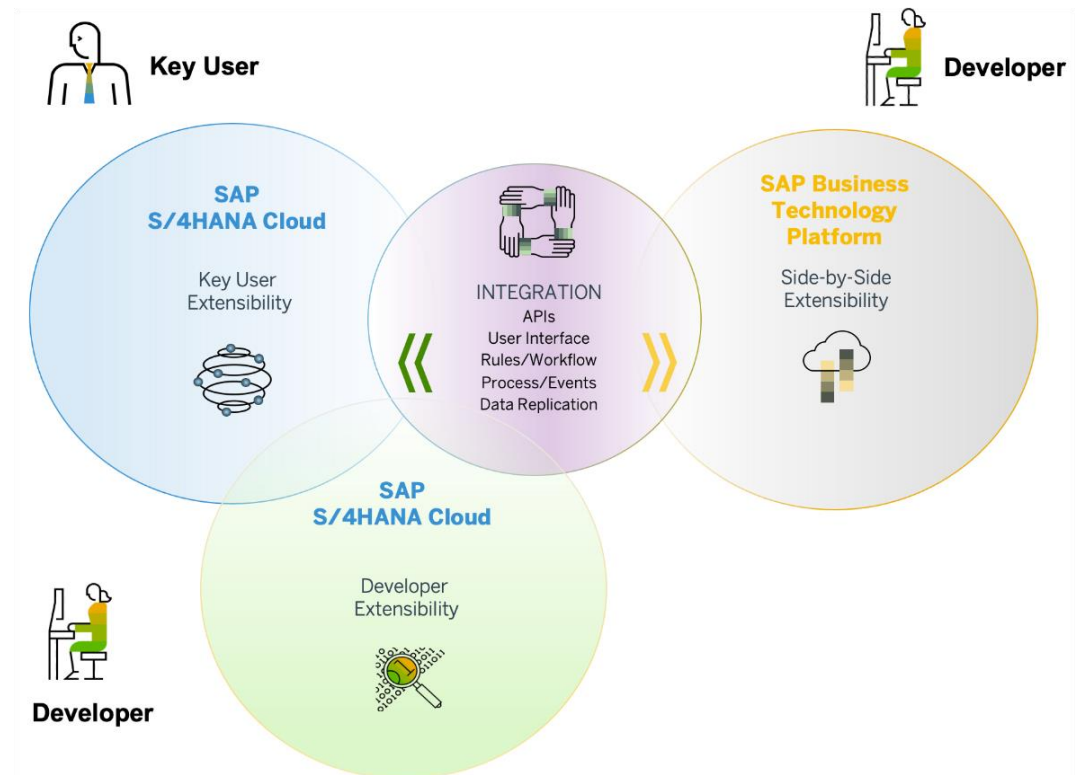
Extensions created by Key Users in SAP S/4HANA Cloud mostly without a single line of code

## Side-By-Side Extensibility:

Build extensions on SAP BTP. True decoupling between your extensions and SAP S/4HANA Cloud, which enables independent lifecycle and allows you to build and evolve applications much faster

## Developer (on-stack) Extensibility:

Extensions which are too complex to be built in in-app extensibility, but too tightly linked to the S/4HANA Cloud Core to build a Side-by-Side



# Developing a Cloud Mindset

## SAP S/4HANA Extensibility (all editions)

User Interface Layer



Application Layer



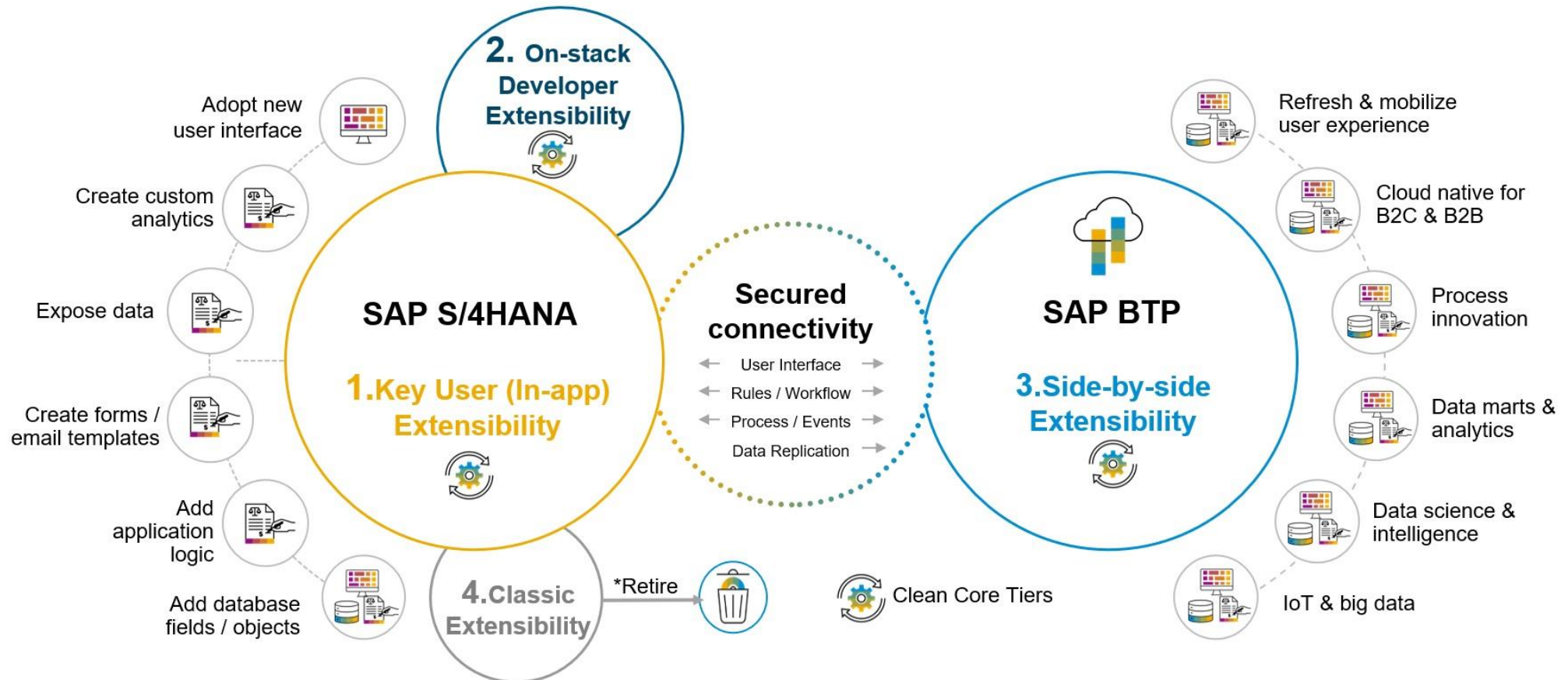
Database Layer



In-App Extensions



Cloud Extensions



# Developing a Cloud Mindset

## SAP ECC vs S/4HANA Public Cloud

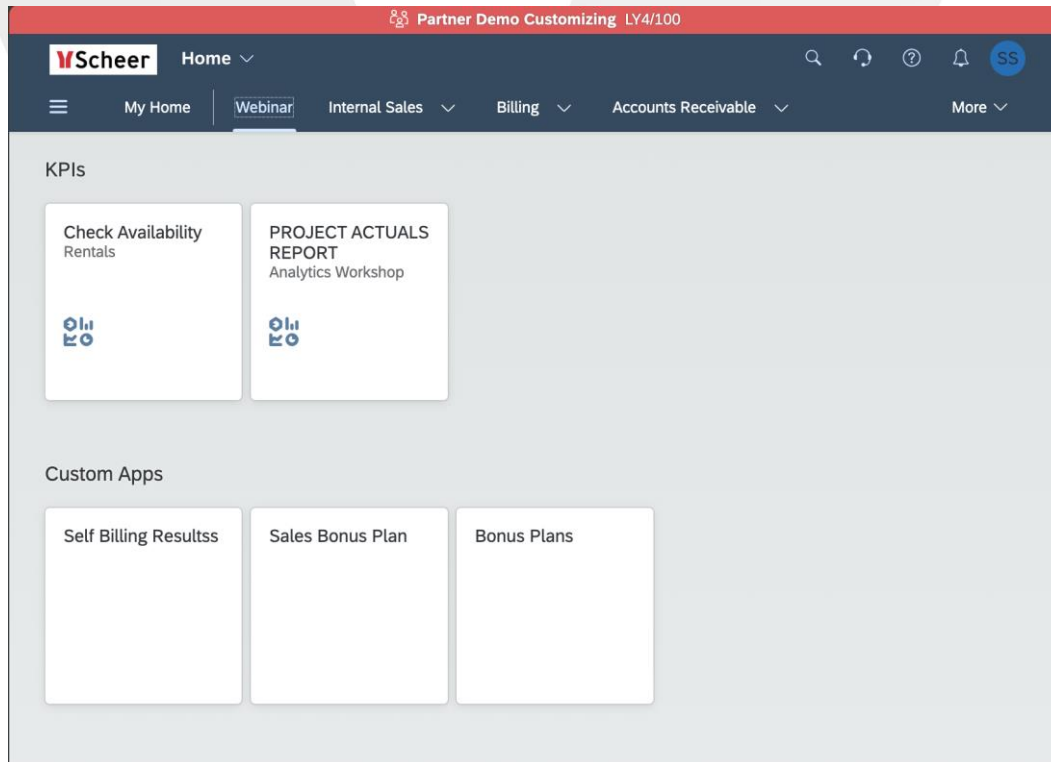
These are examples of tools that can be used to build solutions on top of the Best Practices

ECC	Description	S/4HANA In App	S/4HANA Side by Side
R	Report	CDS view / Analytical Query	SAC Story / Dashboards
I	Interface	Communication arrangement	Public API / Integration Suite / Event Mesh
C	Conversion	Migration Cockpit	Public API
E	Enhancement	BADI / Steampunk / Custom Field / Custom Object / Fiori	SAP Build / ABAP / CAP / Fiori
F	Form	Form Maintenance	Adobe Form Services
W	Workflow	Workflow / (Extended) Situation Handling	Intelligent Process Automation

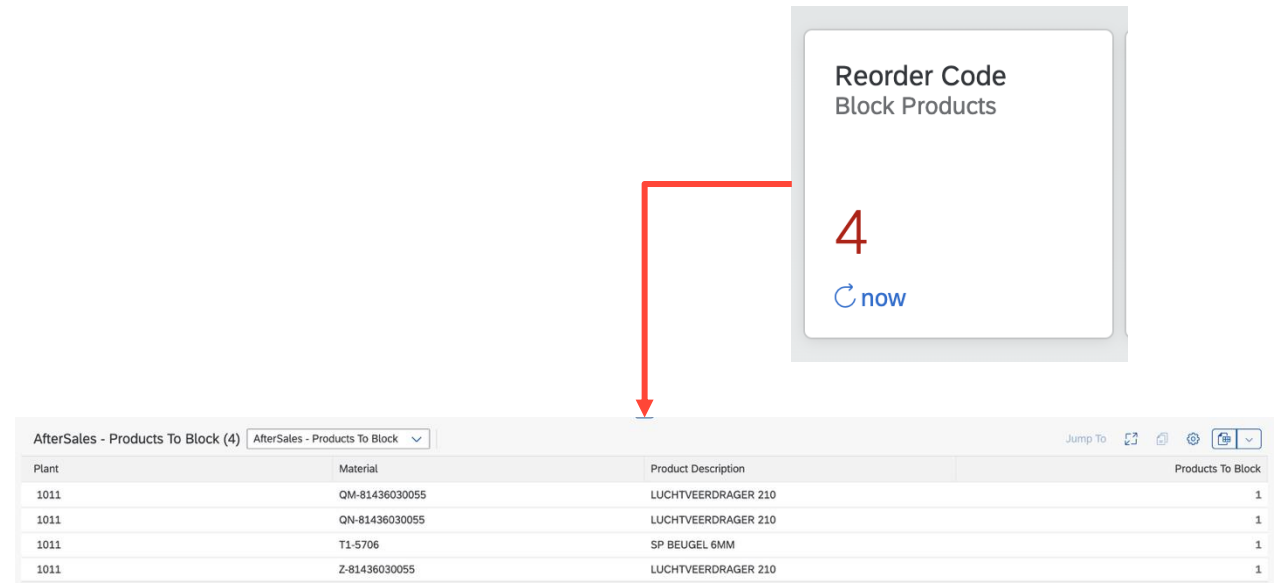
# In-App Extensibility

# In-App Extensibility

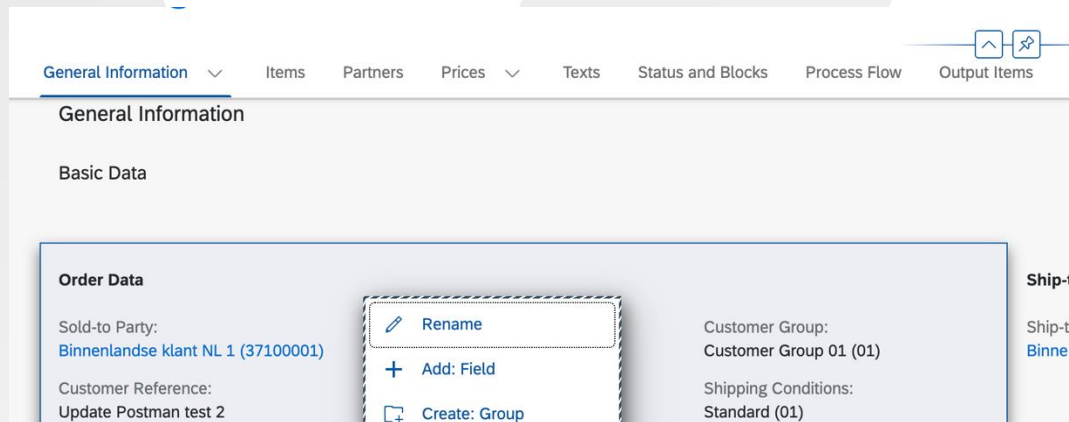
**Custom Launchpad and Pages** to make sure users have a quick overview of their actions and most used apps



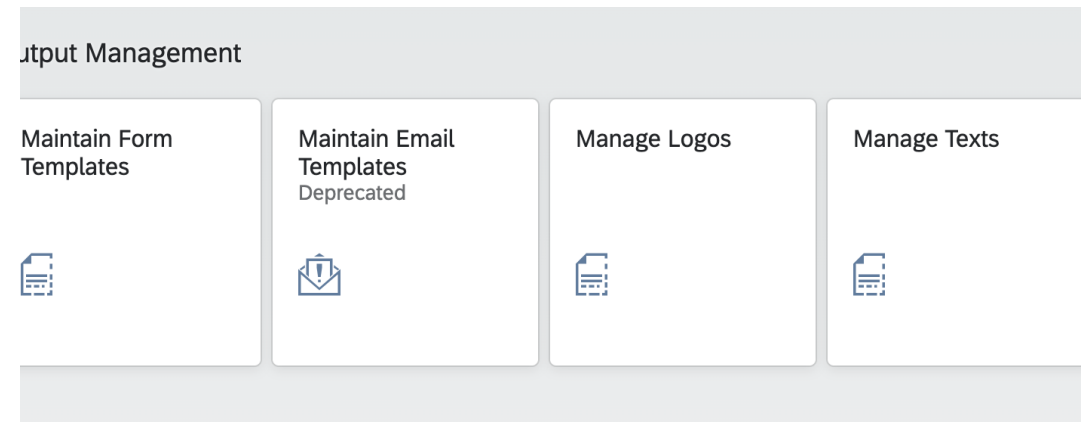
With **Custom KPIs** created into tiles, employees are notified about **figures, actions points** and **anomalities** in the system easily.



# In-App Extensibility



Add Custom Fields to Standard Screens in SAP.  
Rename and restructure your screen to your liking.



Maintain Forms to send out to other Business Partners, such as Order Confirmation, Purchase Orders, Invoices, Picking Forms, and many more

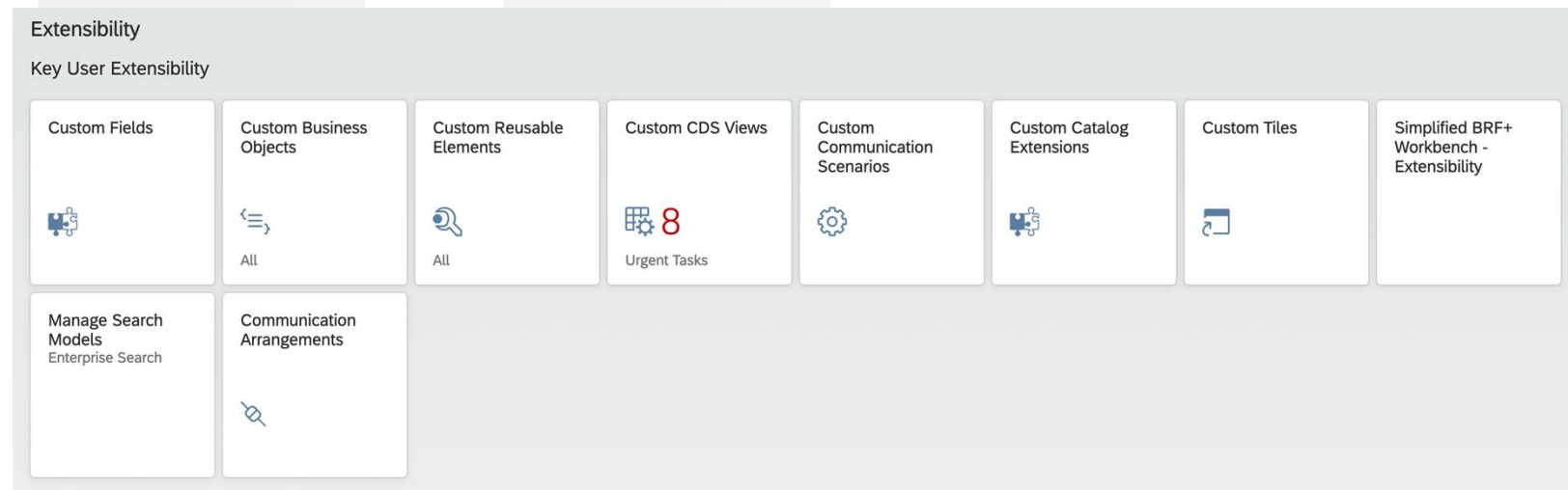
# In-App Extensibility

With Key-User-Extensibility you can make changes for users

- distinction between changes for all users or users based on roles

Examples:

- New Custom Fields
- Screen adjustments with Screen Personas
- Custom Analytical Queries for Custom Reports
- Custom Tables to store data using Custom Business Objects
- And more...



# In-App Extensibility

Create your own situation **use cases** that **proactively** inform users or teams

Exceeding budgets  
Missing approvals  
Deviating turnover rates

Pending confirmations  
Nearing deadlines  
Expiring contracts  
Undiscovered issues



## Intelligent Situation Handling



### Inform users proactively

- Proactively inform dedicated users per notification or email
- Display situation indication in applications
- Propose actions in applications

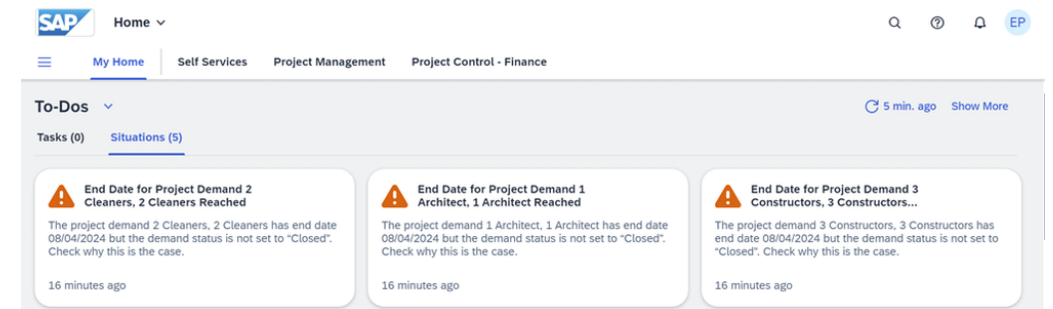
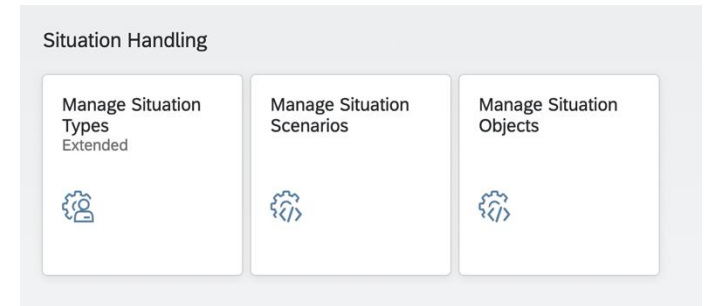
### Gain business insights

- Collect situation-related data
- Monitor activities and status
- Track actions and analyze the situations from alert to solution



### Use situation data for optimization and automation

- Reduce routine tasks for your users
- Let users focus on tasks that require expertise
- Automate standard tasks



# Side-by-Side Extensibility

# Side-by-Side Extensibility

Secure & compliant  
Open & flexible  
Unified & simple



Broad ecosystem  
Enterprise-grade & scalable  
Business-centric

## Business Technology Platform

App Development

Automation

Integration

Data and Analytics

Artificial Intelligence

- Visual Low-Code / No-Code experience
- Pro-code tooling
- Digital experience
- DevOps

- Workflow Management
- Robotic Process Automation
- Process monitoring & analytics
- Automated document processing

- Process integration
- API-led integration
- Event-driven integration
- Hybrid integration
- B2B integration
- Data integration

- Analytics & planning
- Data management
- Operational database
- Data warehouse and data lake

- Pretrained AI models
- Generative AI and AI workload management
- Business data and context
- Responsible AI

# Side-by-Side Extensibility

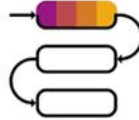


# Side-by-Side Extensibility

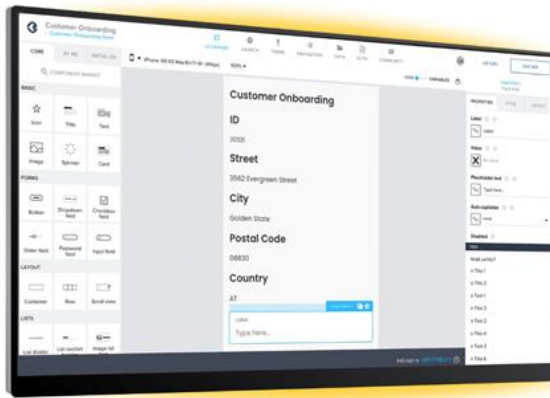
**Compose applications**



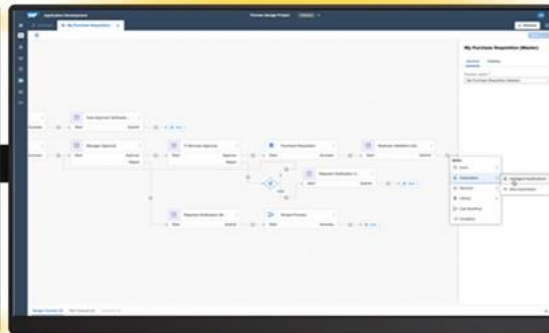
**Automate processes + tasks**



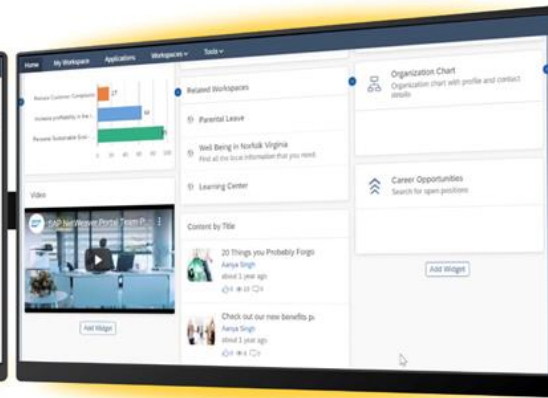
**Design business sites**



SAP Build Apps



SAP Build Process Automation



SAP Build Work Zone

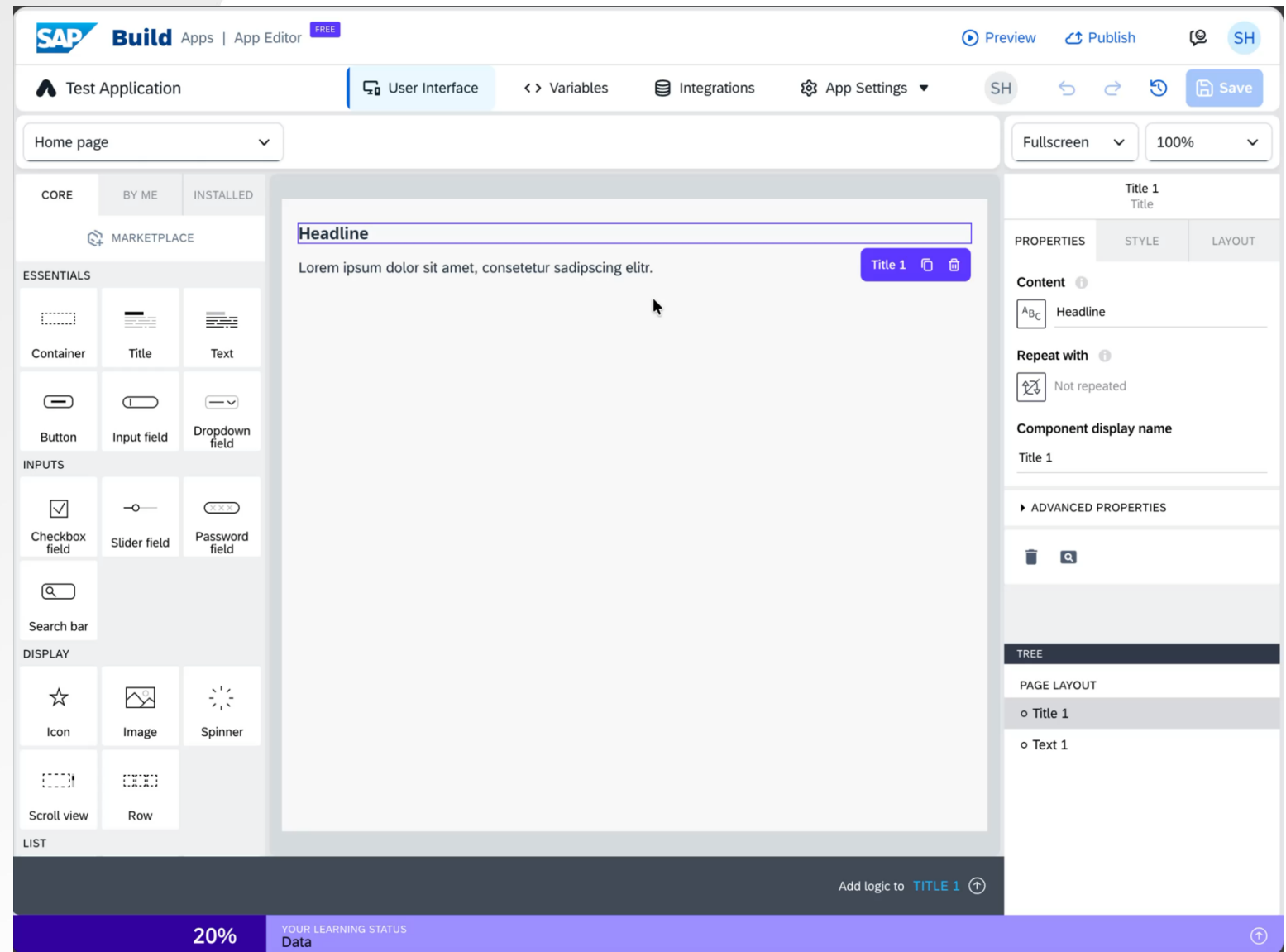
**Build Visually  
Integrate Seamlessly  
Collaborate Securely**

**SAP BUILD**

# Side-by-Side Extensibility

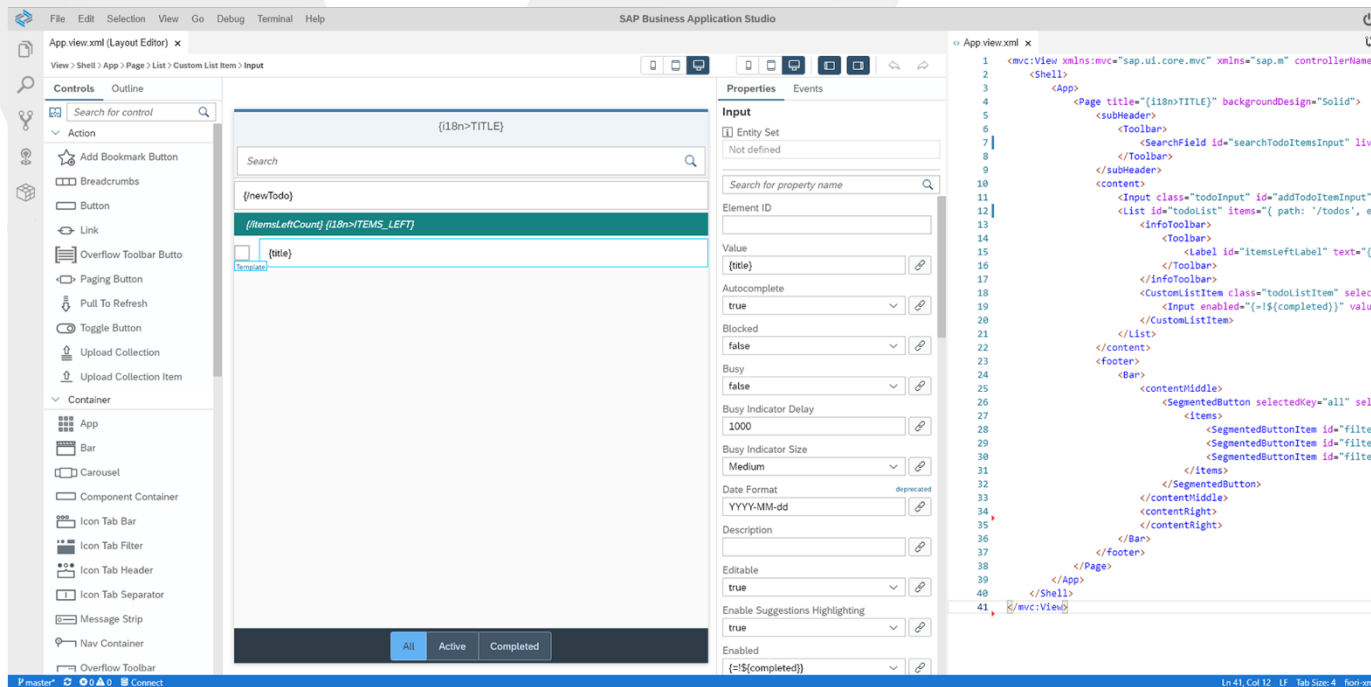
With SAP Build you can easily create Low Code Apps or Process Automations.

It results in less development times and can be designed completely in the style of S/4Hana Cloud.



# Side-by-Side Extensibility

Pro-code development tools on SAP Business Technology Platform (BTP) include SAP Business Application Studio, which supports languages like Java and JavaScript, alongside frameworks such as ABAP Cloud, CAP (Cloud Application Programming Model), and SAPUI5.



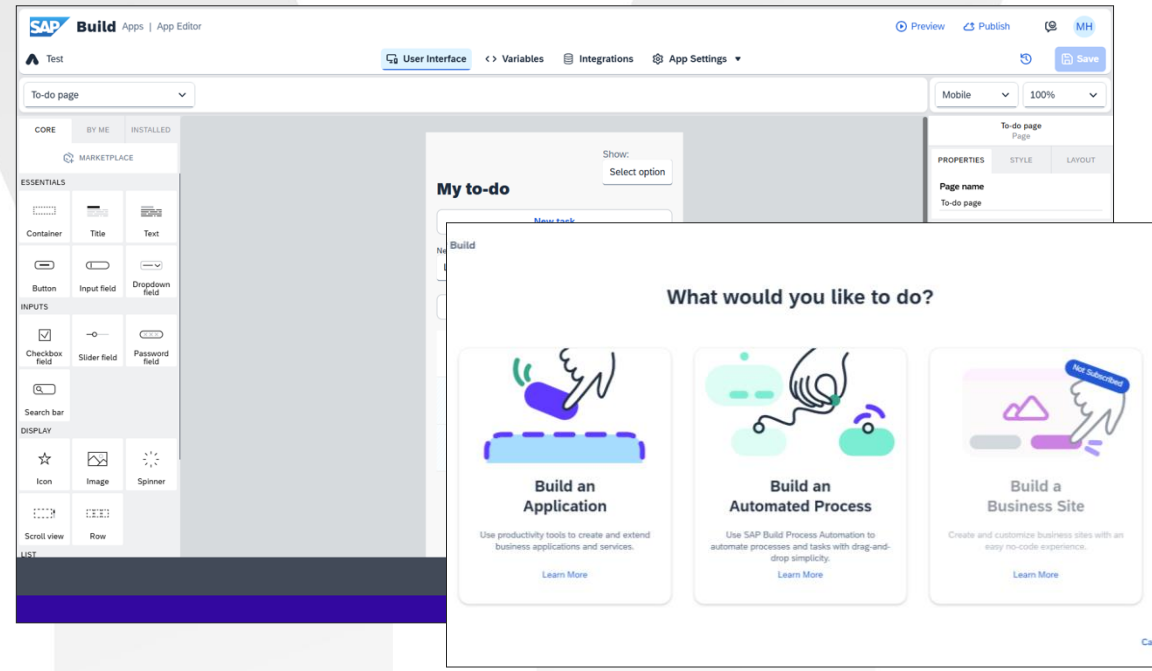
## Welcome to CAP

SAP Cloud Application Programming Model



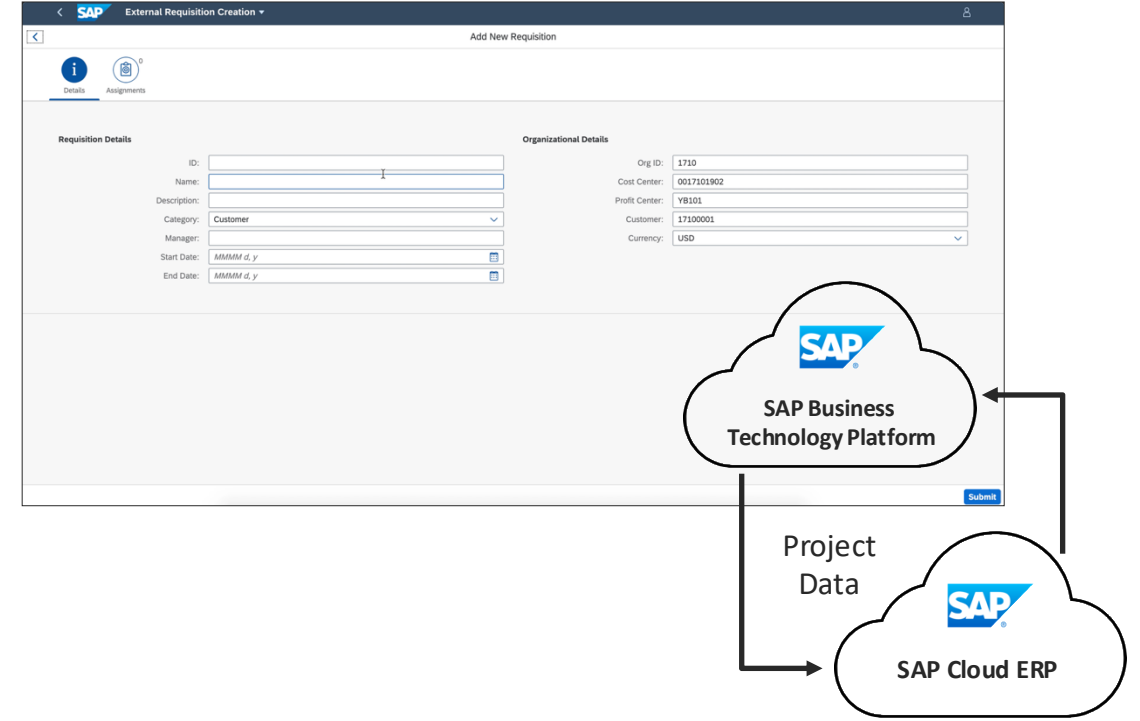
# Side-by-Side Extensibility

## Low Code Extensibility



Develop custom apps, seamless process automation as well as portals and collaboration hubs with ease leveraging the **low code and no code capabilities** of SAP Business Technology Platform.

## Pro Code Extensibility



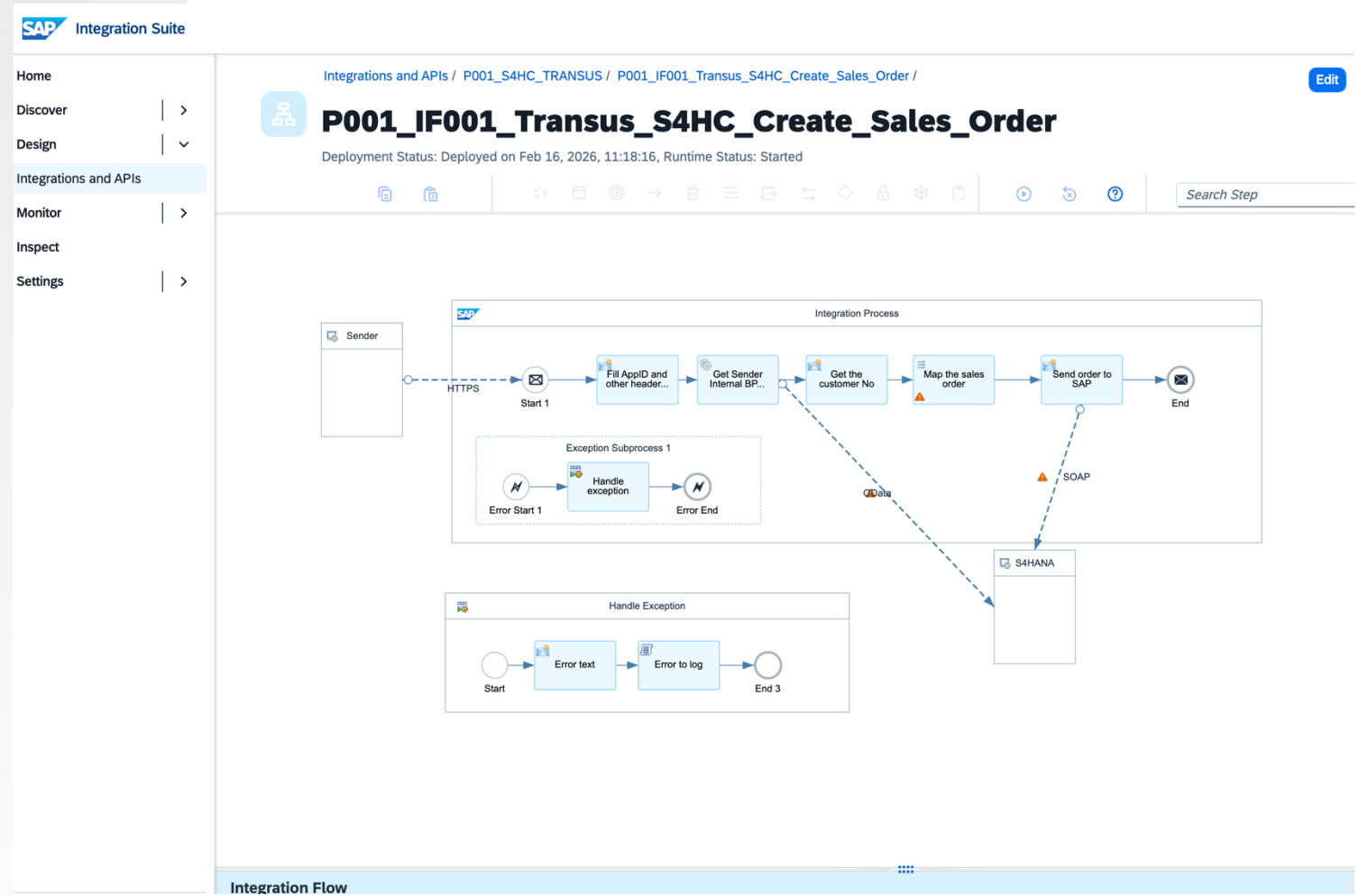
Leverage the **comprehensive PaaS offering** of SAP Business Technology Platform including e.g. AI services to build out **SaaS application** according to your **differentiation needs**.

# Side-by-Side Extensibility

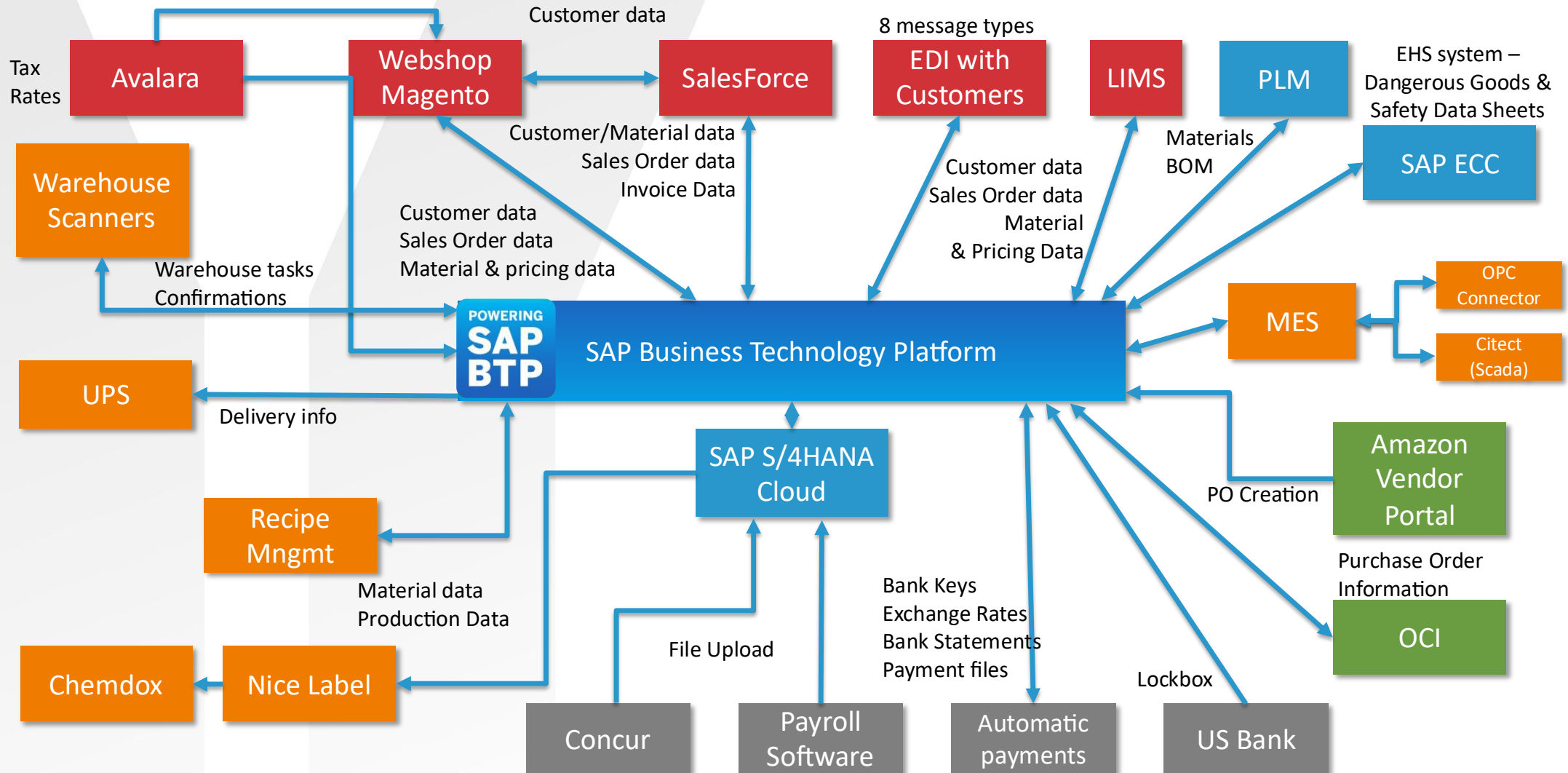
Integrate your SAP system with other SAP and non-SAP systems using the **SAP Integration Suite**.

**Out of the box Integrations** ready to use using standard APIs from SAP Products

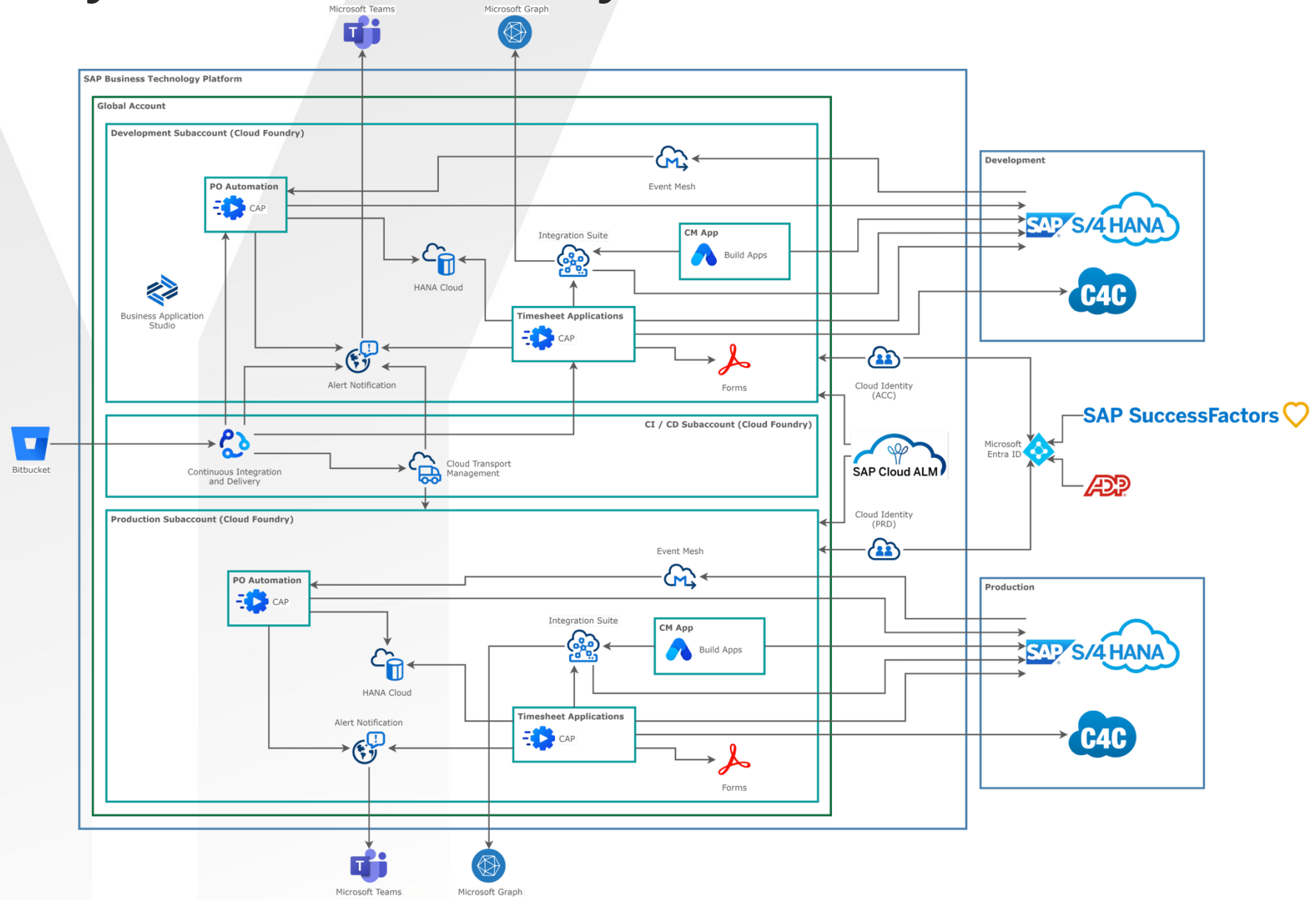
Possibility to create custom Integration Flows using the toolbox from the **Integration Suite** in combination with **standard APIs** from S/4HANA Cloud



# Side-by-Side Extensibility



# Side-by-Side Extensibility



# Side-by-Side Joule

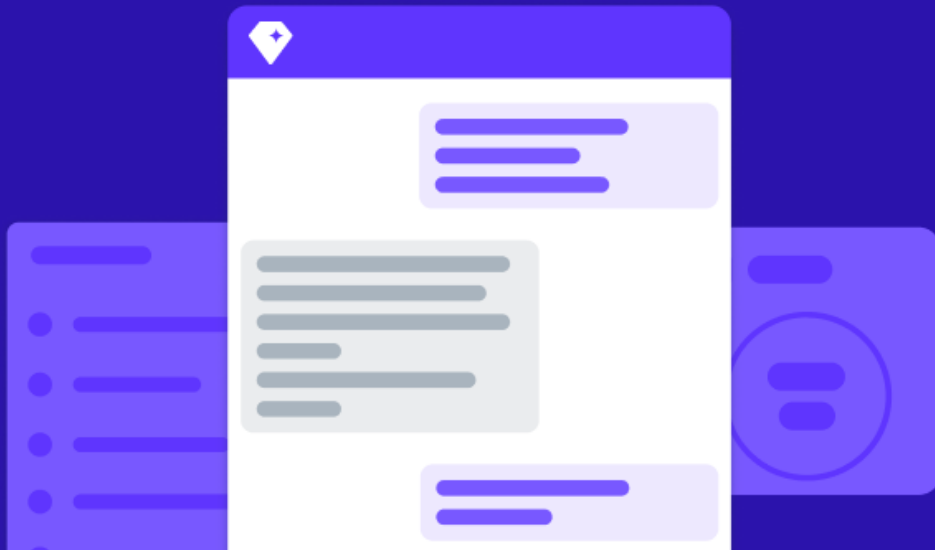
*Hi Joule, ...*

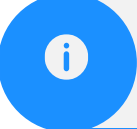
*... tell me how ...?*


*... where can I ...?*


*... show me ...?*


*... can you do ...?*




 Informational Capabilities

 Navigational Capabilities

 Transactional Capabilities

 Agentic Capabilities\*\*

 Analytical Capabilities\*\*

\*\* Future development – subject to change

# Side-by-Side Extensibility

SAP Joule Studio lets you create your own skills and agents that can perform actions in SAP based on prompts in Joule

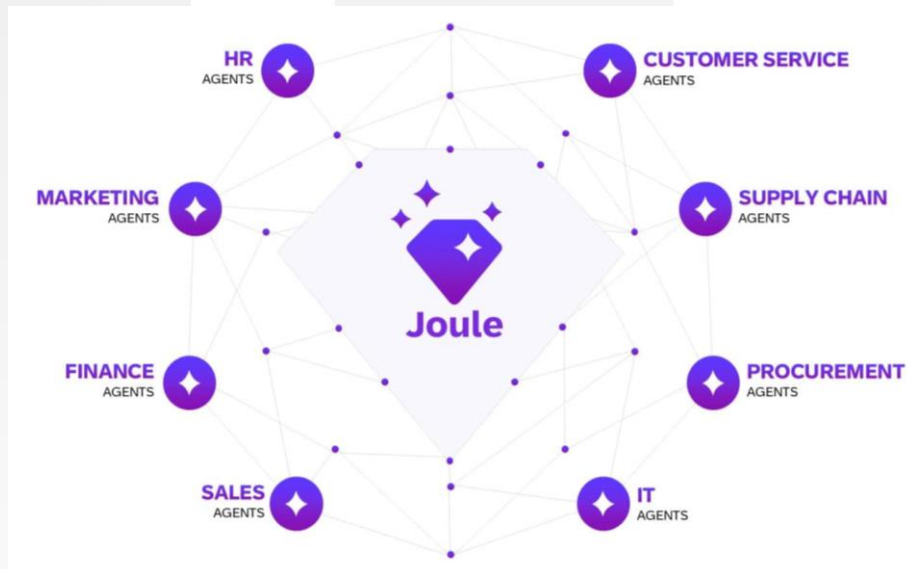
The screenshot shows the SAP Build interface. On the left is a navigation menu with options: Lobby, Connectors, Actions, Events, Automation SDK, Store, Monitoring, and Control Tower. The main area is titled 'Welcome to SAP Build' and includes a 'Quick Start' section with three templates: 'Access our SAP Build Learning Journeys', 'Create a Change and Innovation Approval Process', and 'Create an Invoice Approval Process'. Below this is a table of 'All Projects'.

Name	Type	Versions	Members
Create Purchase Requisition	Joule Skill	13 Available Latest: 1.0.12	1 member
Get Sales Order Data	Joule Skill	6 Available Latest: 1.0.5	1 member

The screenshot shows the SAP Joule Studio interface for a project named 'Create Purchase Requisition' (version 1.0.12, Deployed). The flowchart consists of the following steps:

- Trigger: When a scenario is called
- Add new entity to PurchaseReqn
- Add new entity to PurchaseReqItem (marked with a red warning triangle)
- Send Message
- End

# Side-by-Side - AI Development



The screenshot shows the SAP Joule Studio interface for 'MaintenanceOrder\_SKILLS'. The chat window displays a user's query: 'Hello, I would like to check whether Maintenance Order 1 can be fulfilled based on current material availability'. The AI agent responds with a detailed analysis: 'The maintenance order cannot be fulfilled due to material shortages. - \*\*Material ID 1\*\*: Required Quantity 1.5, Available Quantity 0 (Not available) - \*\*Material ID 2\*\*: Required Quantity 2, Available Quantity 550.3 (Available) - \*\*Material ID 3\*\*: Required Quantity 1.2, Available Quantity 1350.7 (Available)'. Recommendations include initiating procurement for Material ID 1, checking for existing purchase orders, and considering stock transfers or substitutions. A 'Timeline' on the right lists the agent's steps, such as 'Extracting relevant data...', 'Checking for answers...', and 'I will identify the required components for each...'. The interface includes 'Stop Testing' and 'Release' buttons.

# Innovations - Accelerators

# Innovations - Accelerators

The integration stream contains accelerators about the scoping and implementation of extensibilities

Overview | Content Accelerators

	Discover	Prepare	Explore	Realize	Deploy	Run
Project Mgmt.		Getting Started & Onboarding Project Initiation & Governance Project Standards & Kick-off		Execution / Monitoring of Project Sprint Planning and Execution		
Customer Team Enablement	Cloud Trial	Team Self-Enablement & Tool Access	Customer Execution of Standard Processes			
Technical Architecture & Infrastructure		SAP Cloud ALM Initial Access SAP CBC Initial Access Starter System Initial Access		Request/Receive Initial Access to Development System Request/Receive Production System Request/Receive Test System Release & Update Cycles	System Go-Live	Release & Update Cycles Ongoing Operations
Application Design and Configuration	Discovery Assessment Application Value	Business Driven Configuration Assessment Solution Scope System Preparation	Fit-to-Standard Analysis Fit-to-Standard Documentation	Required Configuration Solution Configuration Activate New Scope Configuration in U-System		Continuous Improvement Release & Update Cycles Activate New Scope
Extensibility			Extension Planning and Design	Solution Extension Development & Deployment		
Integration		Prepare Integration Setup	Integration Planning and Design			Ongoing Operations
Testing			Test Planning	Test Preparation Test Execution		
Data Management				Data Migration (Development) Data Migration (TEST)	Production Cutover	
Operations & Support				Support Operations and Handover Plan	Operations Readiness	Release & Update Cycles Ongoing Operations
Solution Adoption	Cloud Mindset Assessment	Organizational Change Management Enablement Strategy	Learning Needs Analysis	Enablement Content Development & Delivery		Value Management
Analytics		Analytics Approach and Plan	Analytics Planning and Design	Analytics Configuration in Development Tenant Analytics Configuration in Test System Analytics Configuration in Production System		

◆ Quality Gates    ■ Task / Activity

08.22.2024

## 2. Prepare [↗](#)

- > Project Plans, Schedule and Budget
- Customer Team Self-Enablement

## 3. Explore [↗](#)

- > Solution Definition
- Integration Planning and Design
  - Determine Scenario Options for Integrations
  - Handover of Requirements
- Extension Planning and Design
  - Handover of Requirements
  - Detail Design of Side-by-Side Extensibility

## 4. Realize [↗](#)

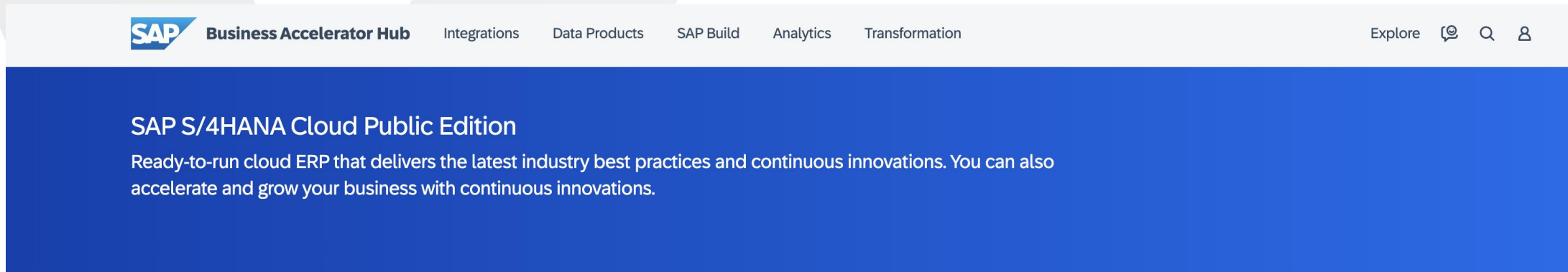
- > Integration Setup in Test Tenant
- > Solution Extension Development and Deploy (Optional)
- > Cutover Plan and Transition Plan

## 5. Deploy [↗](#)

- Production Cutover / Switch to Production

# Innovations - Accelerator

The SAP Business Accelerator Hub is a public, web-based platform where developers and businesses can discover, explore, and test SAP and partner APIs (application programming interfaces), integrations, and other digital content to accelerate digital transformation.

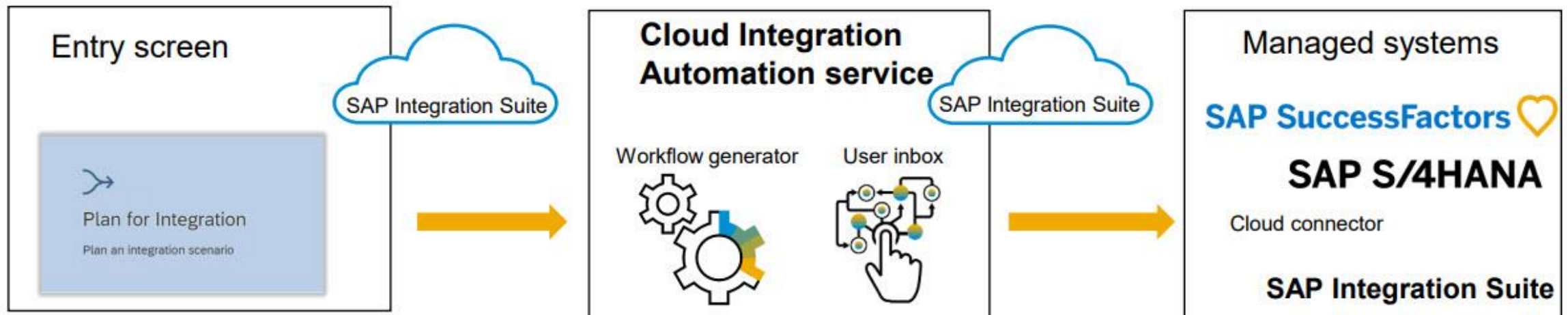


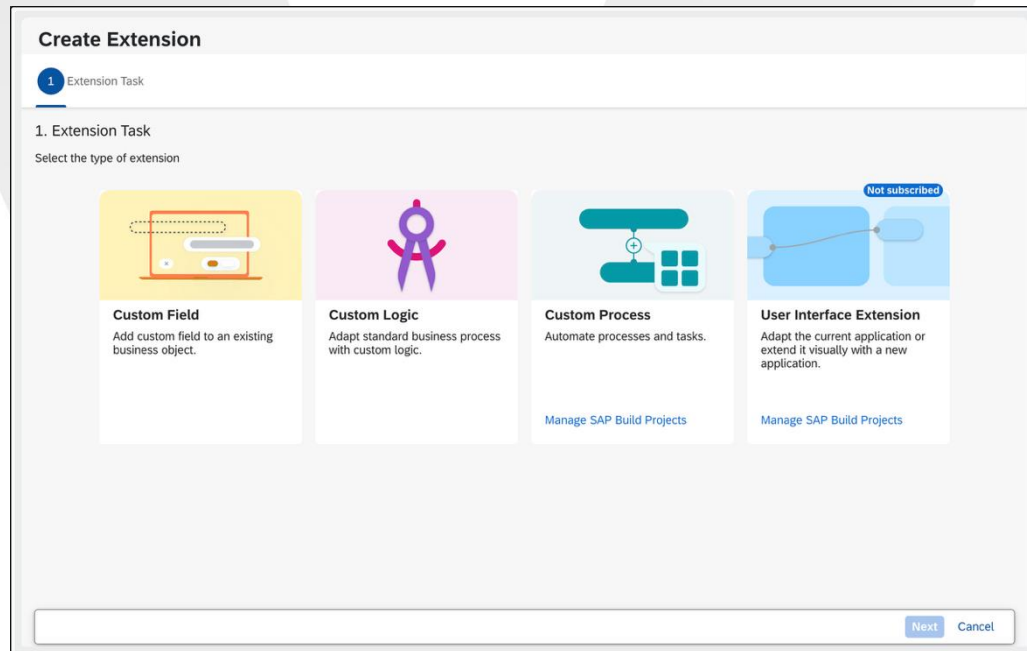
The screenshot shows the SAP Business Accelerator Hub interface. At the top, there is a navigation bar with the SAP logo, the text "Business Accelerator Hub", and several menu items: "Integrations", "Data Products", "SAP Build", "Analytics", and "Transformation". On the right side of the navigation bar, there are icons for "Explore", a speech bubble, a magnifying glass, and a user profile. Below the navigation bar is a blue banner with the text "SAP S/4HANA Cloud Public Edition" and a description: "Ready-to-run cloud ERP that delivers the latest industry best practices and continuous innovations. You can also accelerate and grow your business with continuous innovations." Below the banner is a horizontal menu with the following items: "Overview", "APIs", "Events", "Integrations", "On Stack Extensibility" (which is highlighted with a blue underline), "Process Blueprints", "Build", "VPUC", "Analytics", and "Transformation". Below the horizontal menu is another row of sub-menu items: "Show Filters" (with a funnel icon), "CDS Views" (highlighted with a blue underline), "Business Object Interfaces", "Business Add-Ins", and "Packages". Below these sub-menu items are two large, light gray rectangular boxes, likely representing content cards or filters.

# Innovations - Accelerator

**Cloud Integration Automation service** provides you a **guided workflow** to integrate **SAP cloud solutions** to **on-premise** and **other SAP cloud solutions**.

The guided workflow contains **instructions** for manual and automated tasks to enable an easy and quick **integration**





## Custom Field

Enables addition of new fields in desired business objects. The wizard opens the Custom Field App with the business contexts pre set.

## Custom Logic

Enables addition of custom logic via Cloud BAdIs. Here as well the wizard opens the Custom Logic App with the business contexts pre set.

## Custom Process

Create a Process in SAP Build Process Automation that starts based on an event from SAP S/4HANA. The business context of the starting SAP S/4HANA app is pre set in the wizard to easily identify the relevant events.

The extensibility wizard is expected to grow with more extension options in future.

# Innovations - Accelerator

**SAP Joule** is here to help you in SAP S/4HANA Cloud and on the Business Technology Platform

**Joule** in S/4HANA Cloud is a **generative AI Copilot**

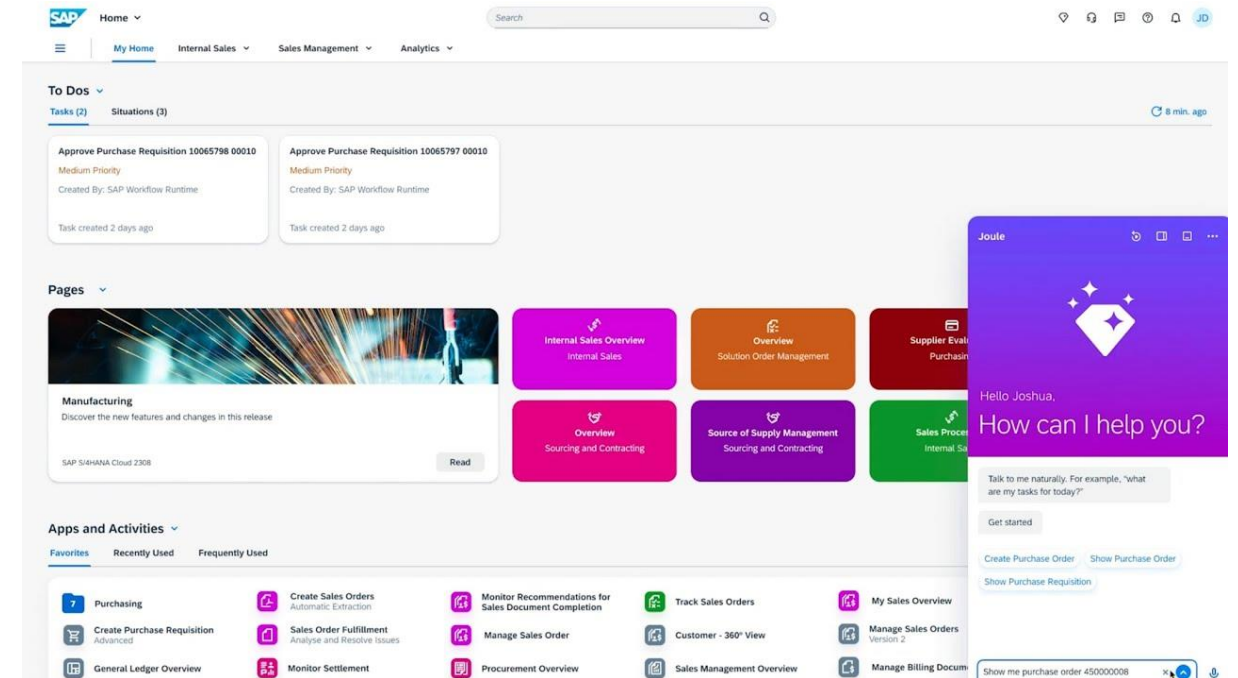
**SAP Joule Studio** helps you build your own skills and agents

- Joule Skills is for repetitive task to be executed with a known outcome
- Joule Agents can perform several Skills combined, which can be seen as your role-based assistants

**SAP Joule for Developers** will help you develop your Build Solution **faster** and **more efficient**

- It helps you write coding parts or optimize your solution build

**SAP Build Code** generates code and user interfaces



# Maintenance – Lifecycle Management

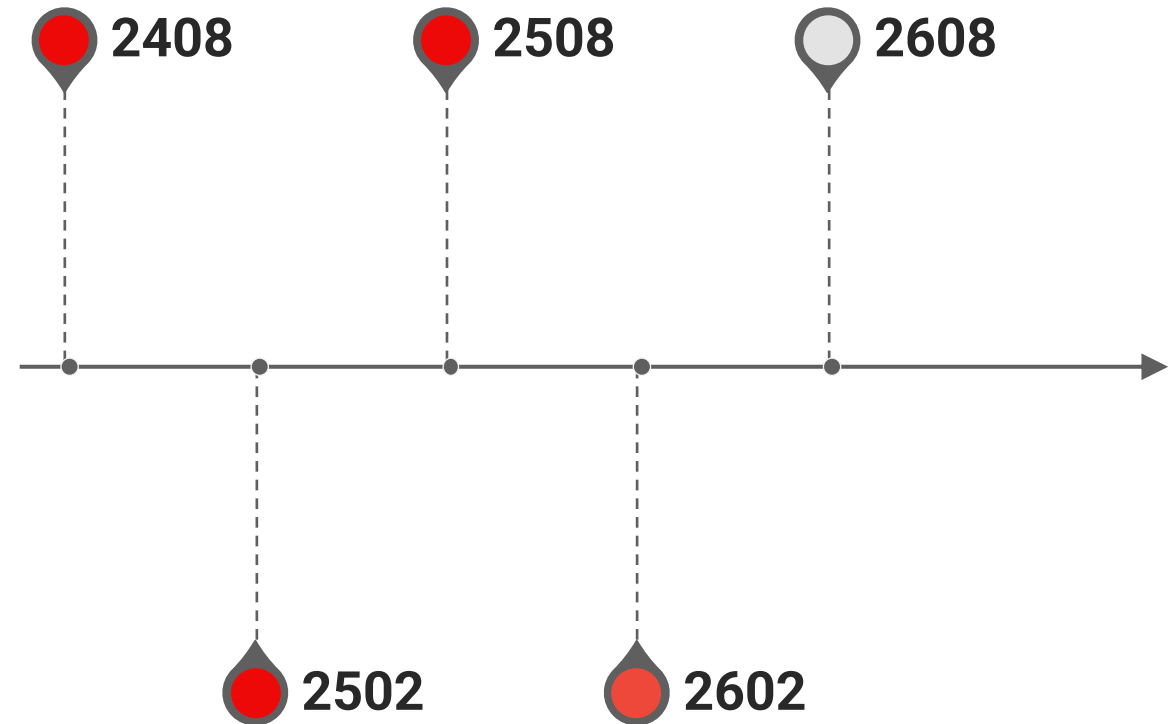
# Maintenance – Lifecycle Management

With every 6 months SAP rolls out an automatic release

New functionality is added automatically to your system  
It also requires special attention for all your customizations!

SAP guides you during upgrades to check your customizations

Upgrades are always done in phases in which you can perform testing



# Maintenance – Lifecycle Management

**Customer - Demo Customer**

Used Objects   Used Scope Items   Activated Scope Items   Complete What's New Information

Information on this page is filtered by the usage of Apps, APIs, Catalogs, and CDS Views by this customer.

<p>Deleted / Deprecated Apps, APIs and CDS Views</p> <p>0 Apps   0 APIs</p> <p>0 CDS Views</p> <p>Download List</p>	<p>Where Used List for Deletion and Deprecation</p> <p>0 Associated Catalogs</p> <p>0 Custom CDS Views</p> <p>Download List</p>	<p>Deleted / Deprecated Catalogs &amp; Renamed App Tiles</p> <p>0 Deleted / Deprecated</p> <p>0 Renamed App Tiles</p> <p>Download List</p>	<p>Changed and Must Know Information</p> <p>15 Apps   8 APIs</p> <p>0 CDS Views</p> <p>Download List</p>
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## RASD: Release Assessment and Scope Dependency

**Customer - Demo Customer**

Used Objects   Used Scope Items   Activated Scope Items   Complete What's New Information

This is the complete what's new information for the selected release.

Scope Item ID	Scope Item Title	License	Degree of Change
1J2	Compliance Formats - Support Preparation	YES	9 / 62
J58	Accounting and Financial Close	YES	7 / 62
1SG	Group Reporting - Financial Consolidation	YES	4 / 62
BD9	Sell from Stock	YES	4 / 62

**What's New Items (65)**

Legend: Changed (Orange), Must know (Red), New (Green)

Donut Chart Data: Changed (56.9%), Must know (1.5%), New (41.5%)

**Localization Updates**

12 Localization Toolkit Roadmap Explorer

**UI/UX Updates**

0 Items

**New Features**

Bar Chart Data: 8, 5, 10

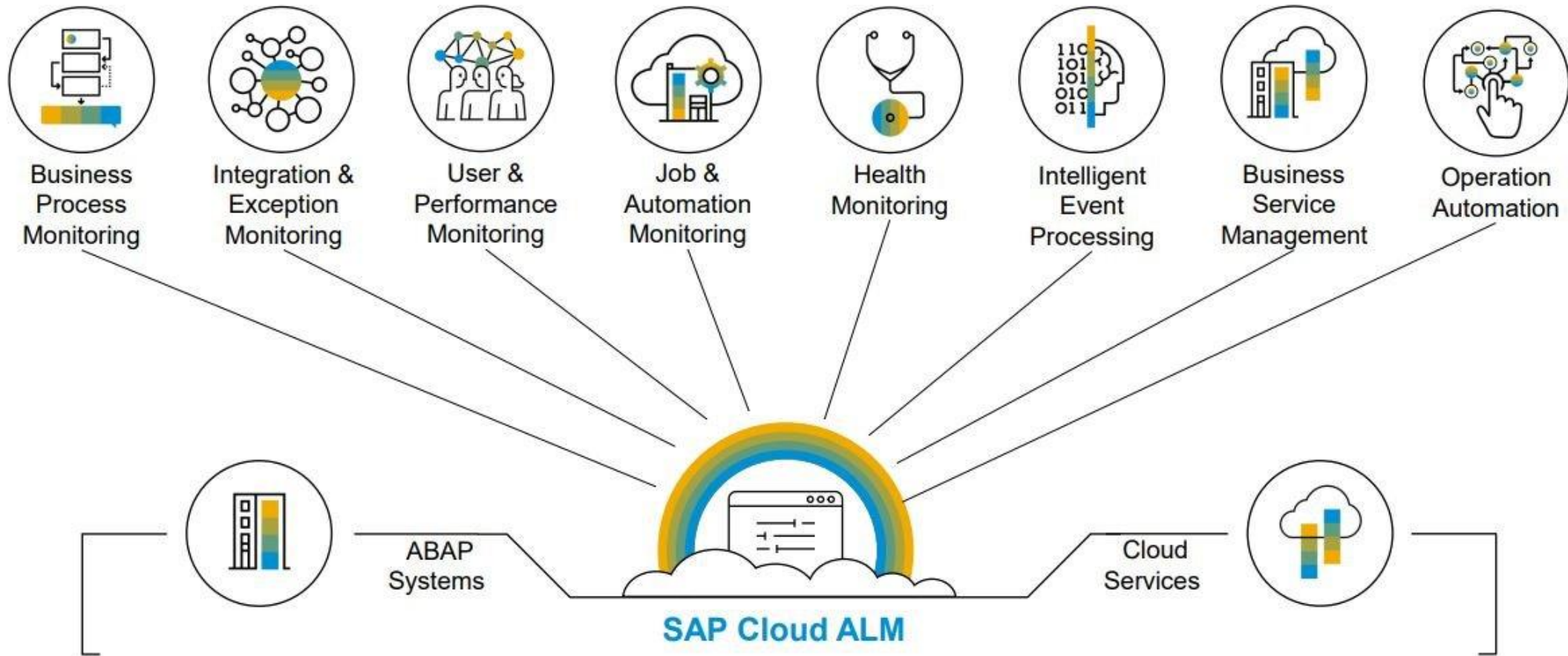
**Line of Business**

Horizontal Bar Chart showing various business units and their associated items.

- **Used Objects:** used apps, APIs, CDS views and business catalogs
- **Used Scope Items:** Scope Item Impact and New Features
- **Activated Scope Items:** Localization updates
- **What's New Viewer:** various views from the What's New Viewer

# Maintenance – Lifecycle Management

SAP Cloud ALM for operations – holistic support for your cloud-centric business solution



# Conclusion

# Conclusion

Is 'maatwerk' in the cloud possible?

**Yes it is! But less is more...**

- Implement a Cloud Mindset from the start of the project
- Enhancement spots and API scope are controlled to facilitate innovations and upgrades

Tooling for extensibilities is split in in app and side by side services and in low code and pro code

- Development is supported by wizards and AI capabilities
- Often a combination of tools is used to build a solution

# Vragen