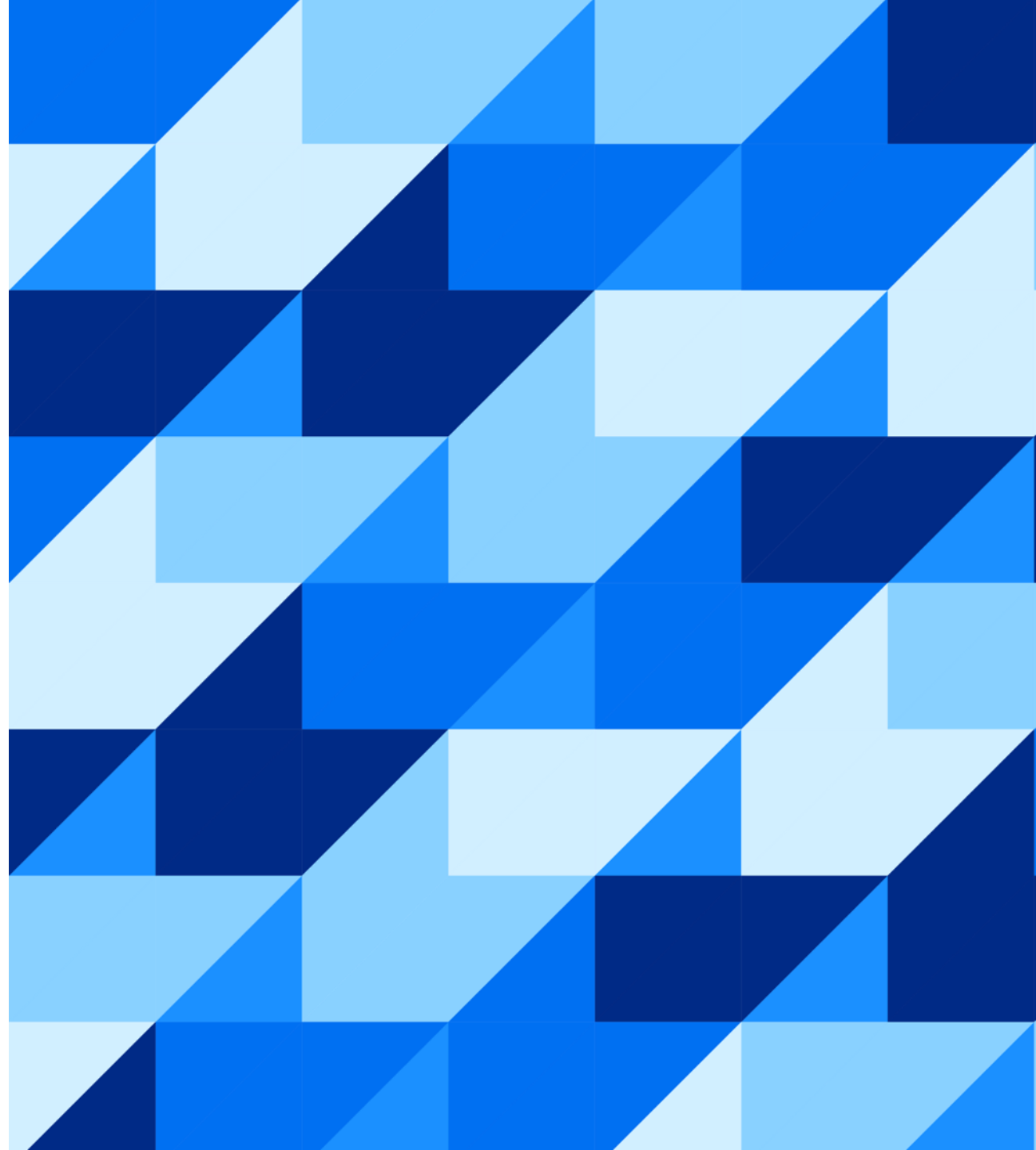




Drive Industry Relevant Innovation With Low- Code / No-Code While Keeping the Core Clean

Andreas Steinwender, SAP
June 20, 2024

INTERNAL – SAP and Customers Only



Agenda

Drive Industry Relevant Innovation With Low-Code / No-Code While Keeping the Core Clean

Keeping the Core Clean – Why? How?

Low-Code / No-Code Functionality on BTP – What is SAP Build? How to get there?

Drive Industry Relevant Innovation – Available Use Cases?

Keeping the Core Clean – Why? How?

ERP Challenges Today – Why do you need a clean core?

Business Change

In today's **fast-paced and ever-changing business environment**, disruption across global supply chains, customer preferences, and the workforce has become a common occurrence. **Businesses must quickly adapt** to these changing requirements in order to remain relevant and thrive.

New Technologies

To succeed in the digital age, organizations need to embrace **new capabilities**. This includes **accelerating innovation**, optimizing and automating processes, and fostering agility in order to **gain a competitive edge**.

Landscape Complexity

Companies must have a **flexible infrastructure** that allows them to quickly **adapt their business models** as needed. This means being able to **rapidly adjust** key applications to meet changing market demands and customer needs.

Addressing a clean core is an ongoing strategic activity

How to keep the core clean?

1. Extensibility

Keep the **extensions** clean

2. Data

Keep the **data** lean

3. Integrations

Keep the **landscape** robust

4. Processes

Keep the **processes** flexible

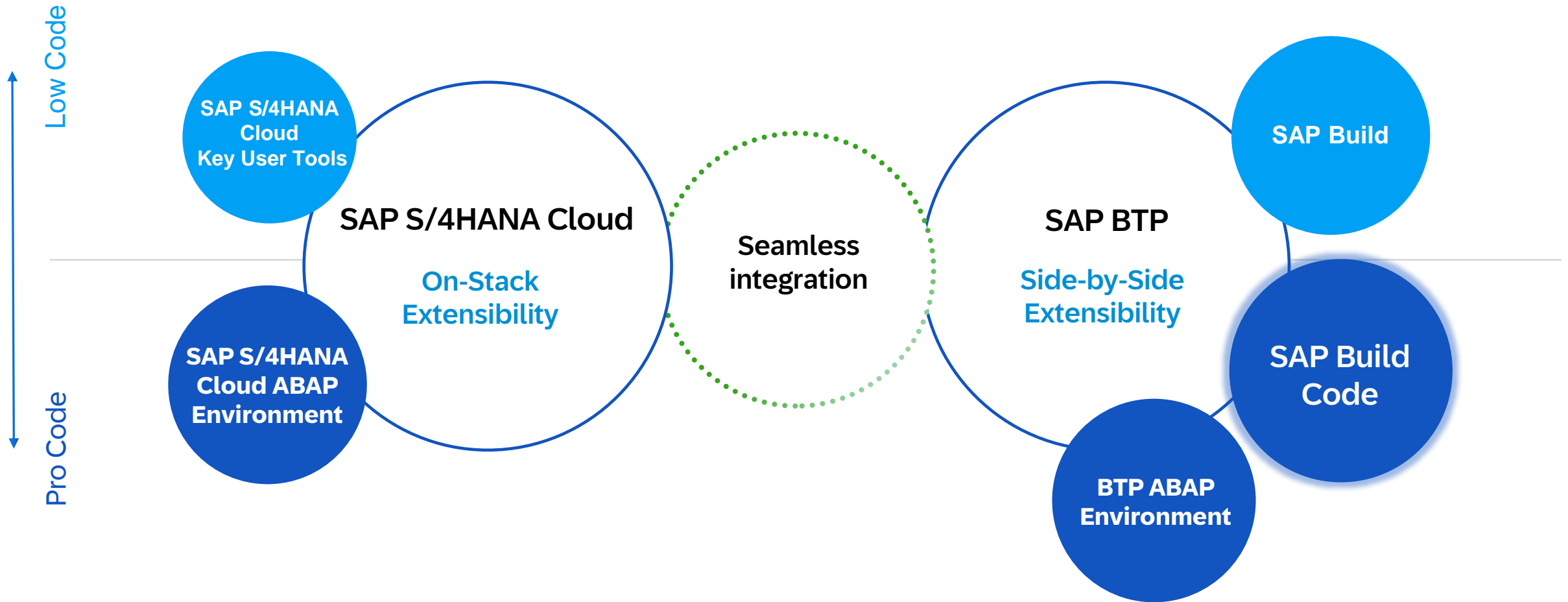
5. Operations

Keep the **operations** effective and efficient

A **clean core** is a system that is as close to standard as possible, while running cloud-compliant extensions and integrations.

It allows you to **adapt your system** to changing business requirements and to **adopt new capabilities**.

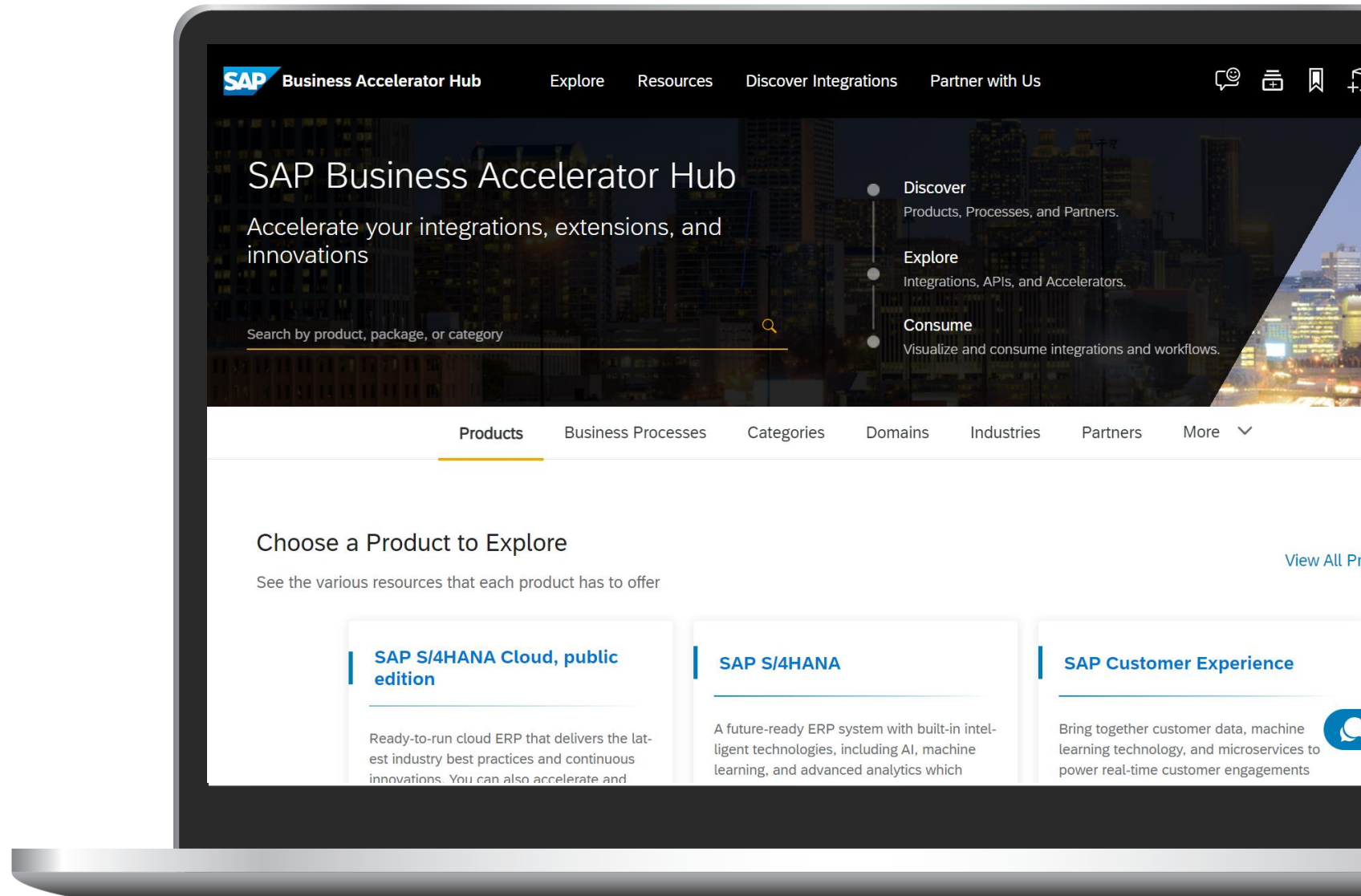
Clean Core Extensibility Options for SAP S/4HANA Cloud



Explore the SAP Business Accelerator Hub



Scan this code or visit
api.sap.com
to explore all APIs



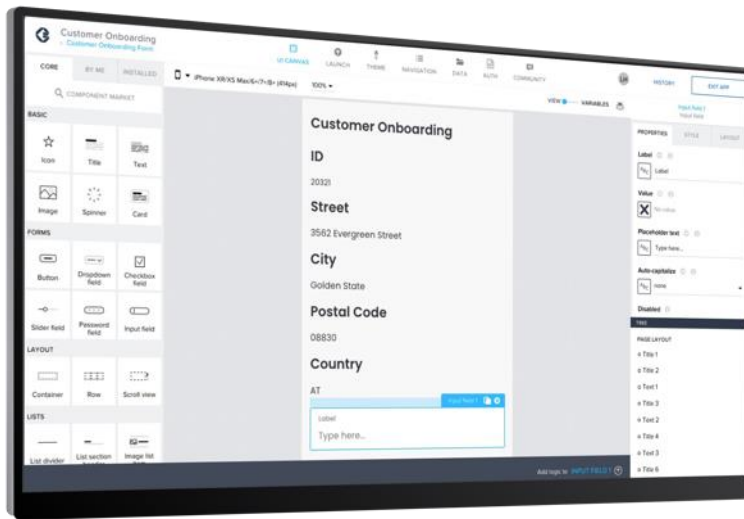
Low-Code / No-Code Functionality on BTP

- What is SAP Build? How to get there?**

SAP Build solutions

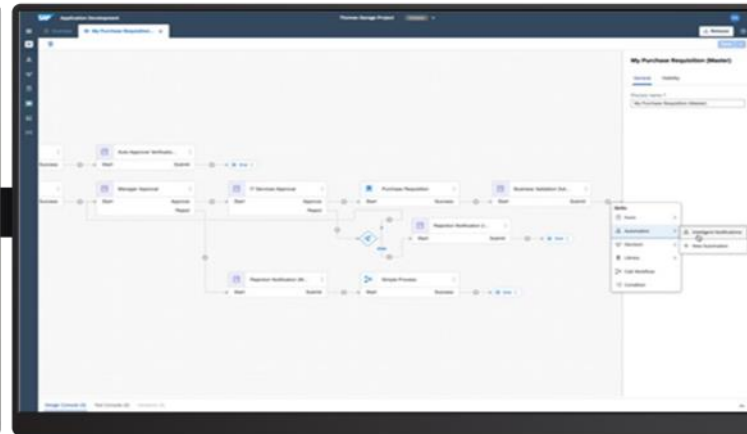
Create enterprise apps, automate processes, and design business sites with drag-and-drop simplicity

Create apps



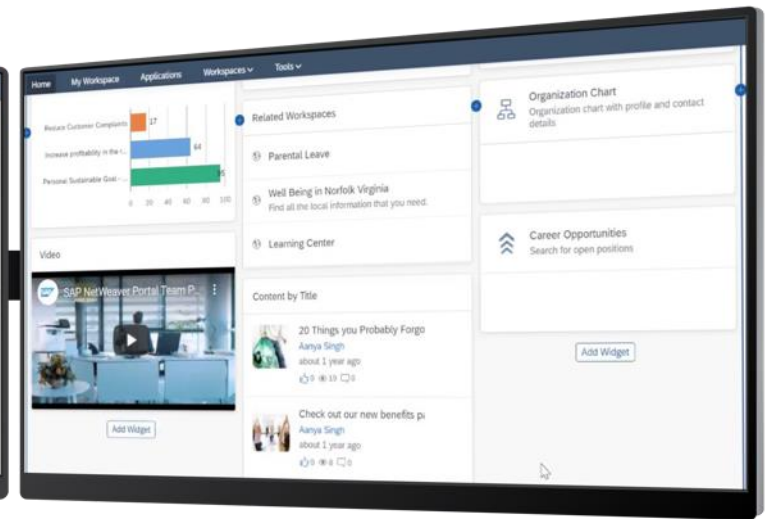
SAP Build Apps

Automate processes



SAP Build Process Automation

Design business sites



SAP Build Work Zone

Build Visually

Integrate Smoothly

Collaborate Effectively

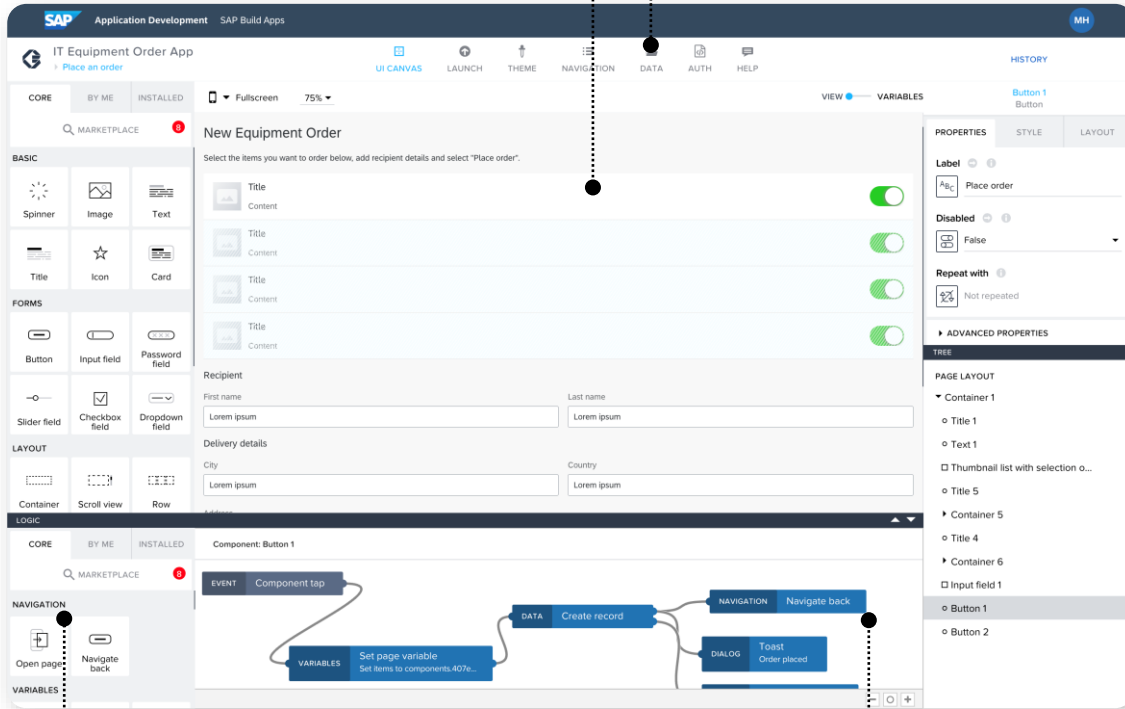
SAP Business Technology Platform

SAP Build Apps – Powerful features for full-stack visual development

Drag & Drop UI Design

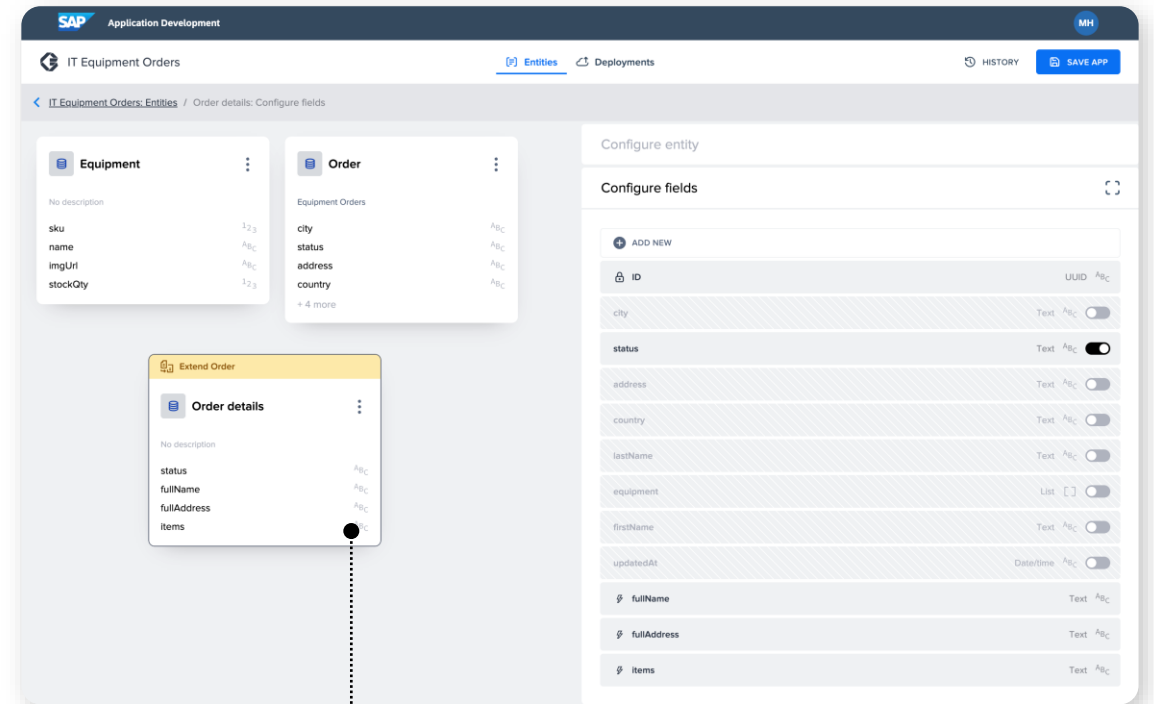
Multi-channel support

Formulas for data transformation and API connectivity



Customizable components and 400+ built-in formula functions

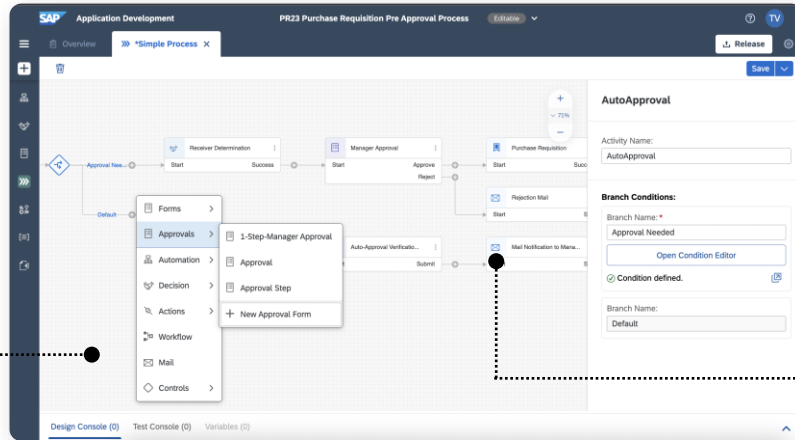
Visual business logic



Visual data modeling with visual cloud functions

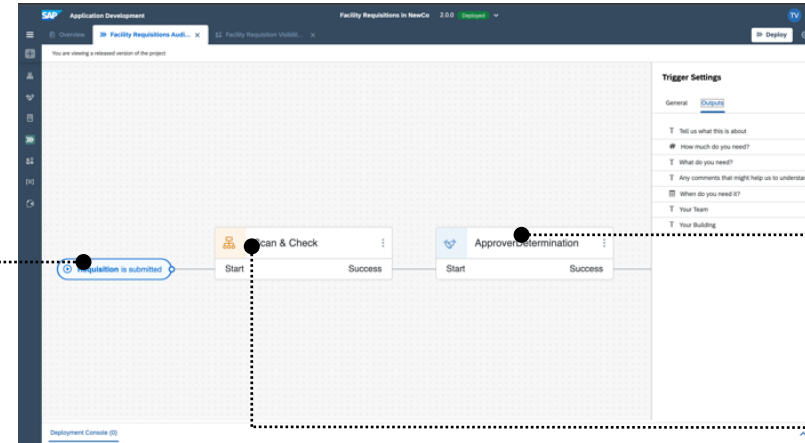
SAP Build Process Automation – Automate simply, quickly, and confidently

Process Builder



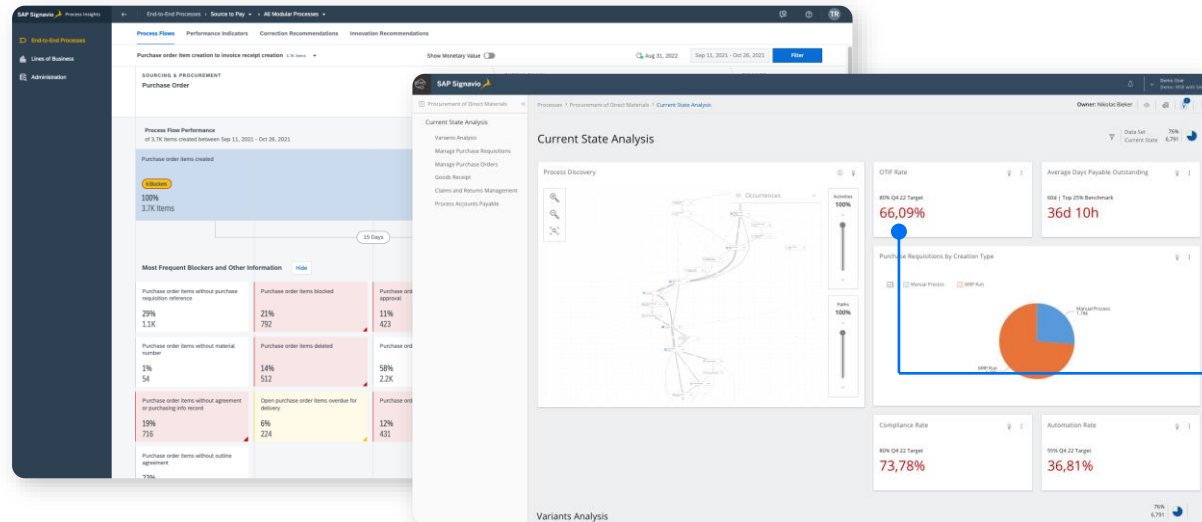
Forms

Action Project



Business Rules

Automation Bots
& Document
Extraction



Integration with

SAP Signavio

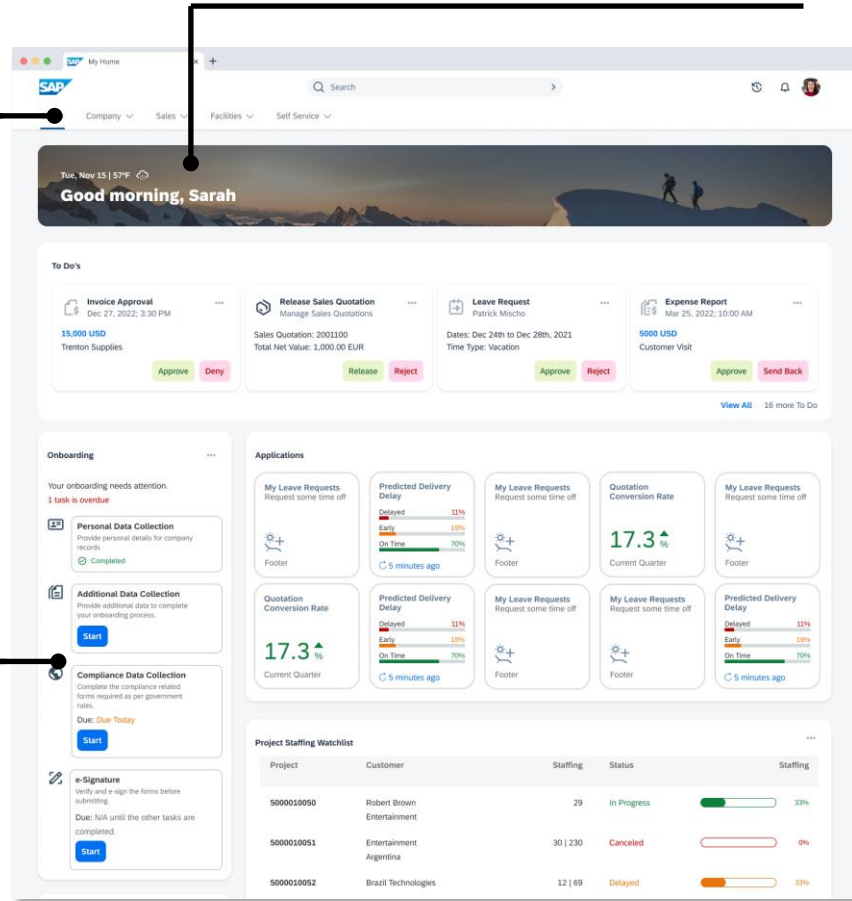


SAP Build Work Zone Editions with common foundation

Flexible page builder

Navigation menu accessing remote and local pages

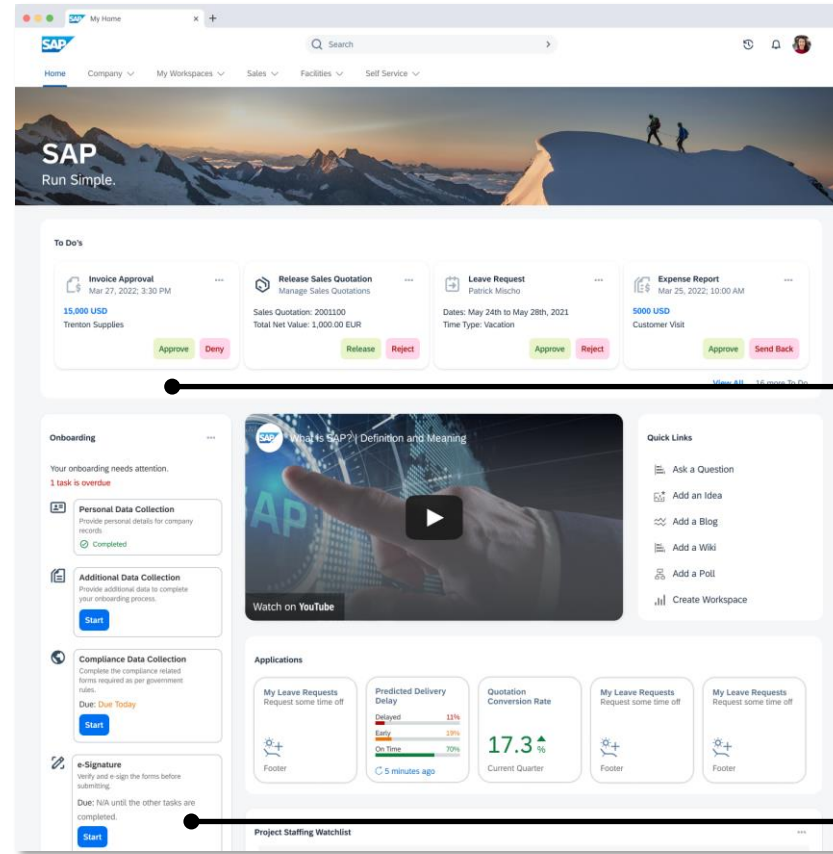
Custom apps and UI Cards



SAP Build Work Zone, Standard

Self-Service Onboarding for SAP Cloud Identity

UI Integration Card Context Awareness

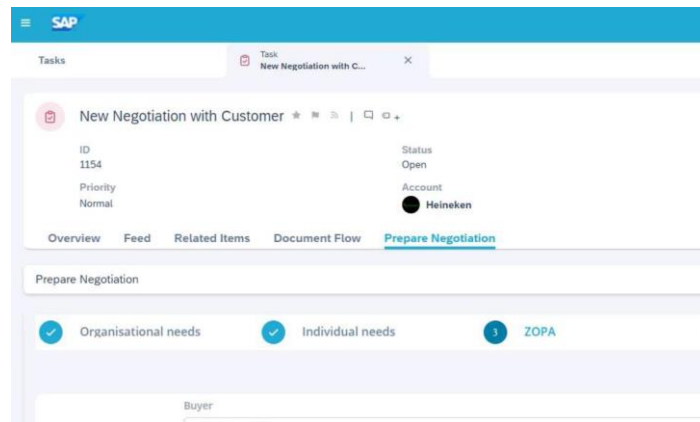


SAP Build Work Zone, Advanced

**Drive Industry Relevant Innovation –
Available Use Cases?**

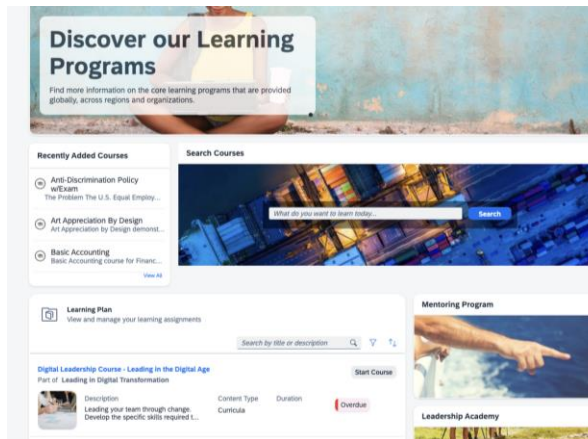
SAP Build: Extend and Automate SAP LOB Applications

SAP Service & Sales Cloud



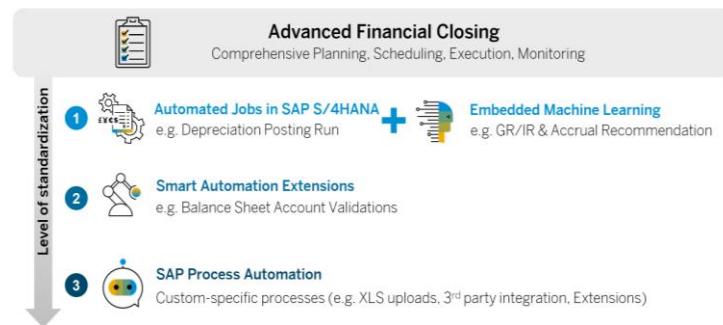
Extend SAP Service and Sales Cloud with low-code to improve customer experience and reduce TCO

SAP SuccessFactors



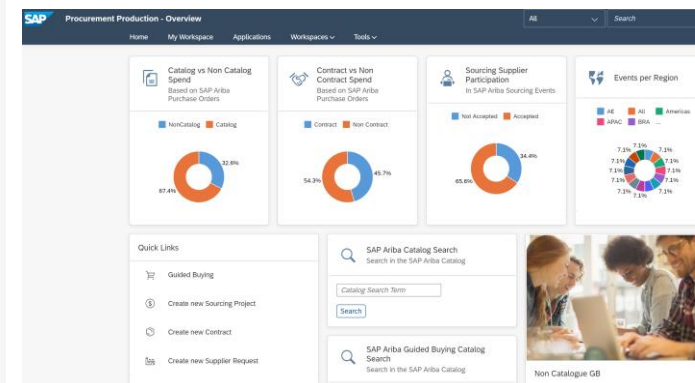
Enhance HR experiences leveraging content provided with SAP Build Work Zone and SAP Build Process Automation

SAP S/4HANA



Automate SAP S/4HANA processes with pre-built content in SAP Build Process Automation

SAP Ariba



Optimize procurement with pre-built content created in SAP Build Work Zone

SUCCESS STORY



3 weeks

Go live with a mobile application using SAP Build Apps

30%

Reduction in time and cost of technician data entry

10%

Reduction in paper usage



With the low-code, no-code technology of SAP Build Apps, we were able to go live with a mobile application in a record time of three weeks, providing a fast response to our business needs.”

Lauro Salgado
Systems Development Specialist,
Pif Paf Alimentos



Industry Use Case: Cutting with SAP Build Apps

Use Case Description:

- Selection of batch that needs to be cut manually or by scanning a barcode
- Insert quantity for new batch and scrap
- Confirm it and cut the batch
- Integration into S/4HANA Cloud, public edition via APIs

The screenshot shows the 'Home page' of the SAP Build App. At the top, there is a header with a back arrow and the text 'Home page'. Below the header, there is a section titled 'Scan the batch you want to cut' with a blue 'Open Camera' button. Underneath, there is a search bar with the text 'Search the batch you want to cut' and a 'Search' button. The search bar contains the placeholder text 'Search for a material...'. Below the search bar, there is a list of 'Batches found (255)' with five entries: 000000001, 000000002, 000000003, 000000004, and 000000005. At the bottom of the list, there are 'Previous' and 'Next' buttons. At the very bottom, there is a footer with 'Page 1 (of 51)' and 'Items/page' set to 5.

The screenshot shows the 'Cut one batch' screen of the SAP Build App. At the top, there is a header with a back arrow and the text 'Home page Cut one batch'. Below the header, there is a message: 'You selected the batch 0000000231 of the material ZMILL_PIPE. If you don't want to proceed with this batch, please return to the homepage.' Below the message, there are several fields: 'Plant: 1010', 'Storage Location: 101A', 'Available quantity in stock: 10 M', 'Color: B', and 'Diameter: 10.000000000000000'. Below these fields, there is a message: 'If this is not the correct batch, please go back.' Below the message, there is a section titled 'Name of the created batch' with a text input field containing 'Batch123'. Below the text input field, there are two sliders: 'Quantity that is booked in the new batch (5 M)' and 'Quantity that is scrap (1 M)'. Below the sliders, there is a message: 'The calculated quantity that stays in mother batch 0000000231 is 5 M.' At the bottom, there are two buttons: 'Go Back' and 'Cut the Batch'.

Home page

Scan the batch you want to cut

Open Camera

Search the batch you want to cut

Search for a material... 

Search

Batches found (255)

0000000001

0000000002

0000000003

0000000004

0000000005

Previous

Next

Page 1 (of 51)

Items/page

5 



Start



Cut



Confirm

Industry Use Case: Blending of Batches

Use Case Description:

- Receive a sales order with material and characteristics that we don't have on stock
- Material stock is available in different batches with other characteristics
- Two or more batches are blended to receive a batch with the characteristics needed in the sales order
- Coal material with characteristics like net calorific value, ash range, sulphur range and moisture percentage

SAP Blending App Demo
Build version: 4.11.114
Andreas Steinwender

Sales order header
Customer: USCU_MI1
Sales order: 423789
Sales order type: OR
Sales order date: 07.06.2024.
Sales organization: 1710
Distribution channel: 10

Sales order items (1) Available batches (6) Material Characteristics

Item ID: 10
Material: MINING_COAL_2
Quantity: 50
Quantity unit: TO
Plant: 1710
Product configuration: 93291

Blend

Inherent Moisture ADB Value: 80.00 MM
 Moisture Value: 10.000 %
 BTU Value Range: min 10000.00, max 12300.00
 Coal Grade Value: M , Description: Medium Grade
 Ash Value Range: min 10.00, max 12.00 % Penalty MIN: 1 MAX: 1
 Sulphur Value Range: min 0.40, max 0.60 % Penalty MIN: 1 MAX: 1
 Size Value Range: min 50.00, max 80.00 MM

SAP Blending App Demo
Build version: 4.11.114
Andreas Steinwender

Solution Blend (Objective: 0)

Material: MINING_COAL_2	Batch: 0000000404	Qty: 23.328125
Material: MINING_COAL_2	Batch: 0000000405	Qty: 15
Material: MINING_COAL_2	Batch: 0000000407	Qty: 2.770833333333335
Material: MINING_COAL_2	Batch: 0000000413	Qty: 8.901041666666668

Execute


Optimized characteristics

1569 Ash Value	Solution grade: 10 %	(Target Grade: min 10, max 12)
1571 Sulphur Value	Solution grade: 0.5277083333333333 %	(Target Grade: min 0.4, max 0.6)
1577 Net Calorific Value ADB	Solution grade: 5800 ckg	(Target Grade: min 5800, max 5800)

Other characteristics

1563 Inherent Moisture ADB	Solution grade: 2.46625 MM	(Target Grade: min 80, max 80)
1562 Moisture	Solution grade: 10.6990625 %	(Target Grade: min 10, max 10)

Industry Use Case: Blending of Batches

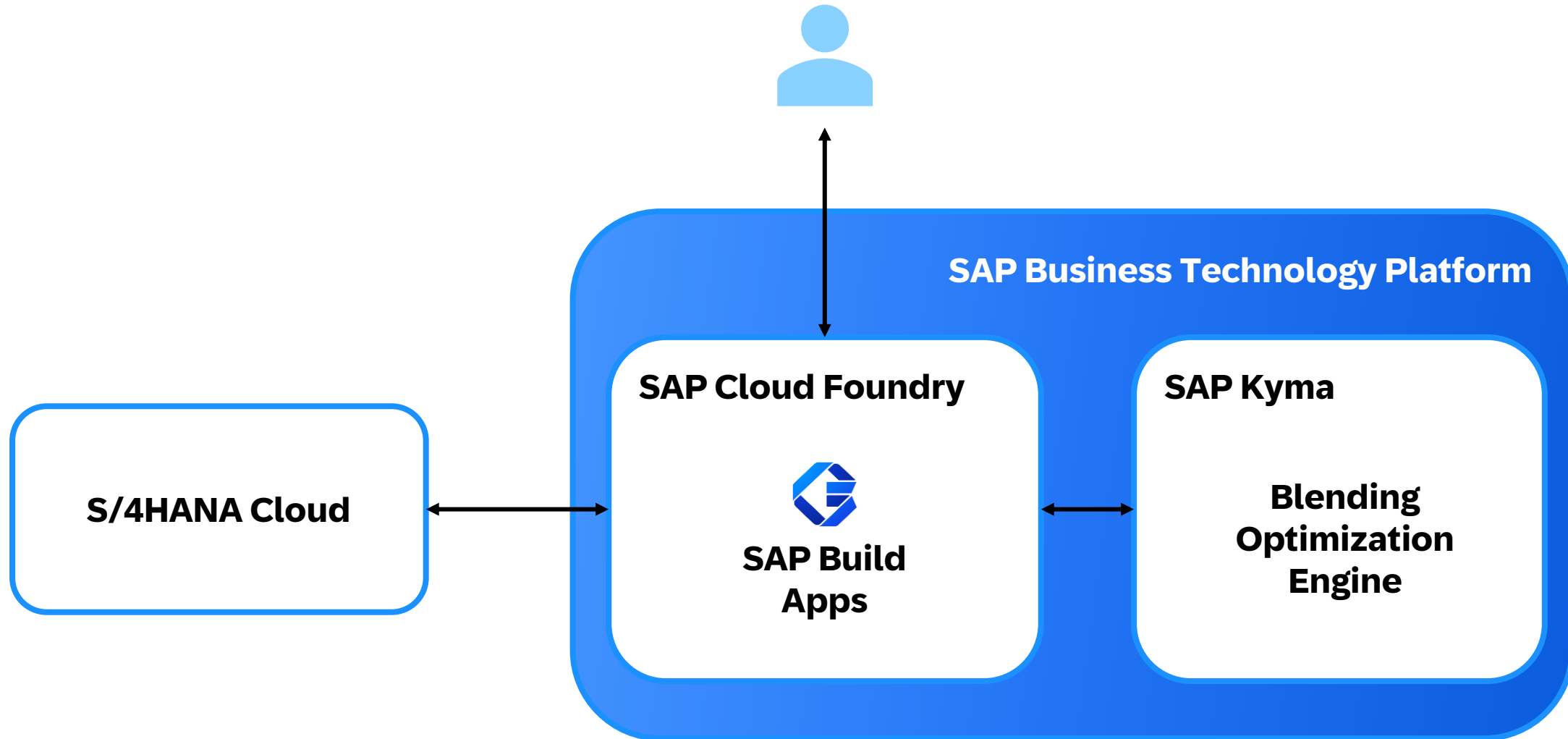
**Blending App Demo**
Version: 1.0.5
Andreas Steinwender

Select Sales Order

Please select a value from the drop down menu.
Only sales orders from system EAY S4HC with material MINING_COAL_2 will be available for the selection.

Sales Order

Industry Use Case: Blending of Batches – Architecture



Key Takeaways

Keeping the Core Clean

The SAP Business Technology Platform is the foundation for developing applications to achieve a clean core, creating flexible IT landscapes and gaining competitive advantage.

Low-Code / No-Code Functionality on BTP

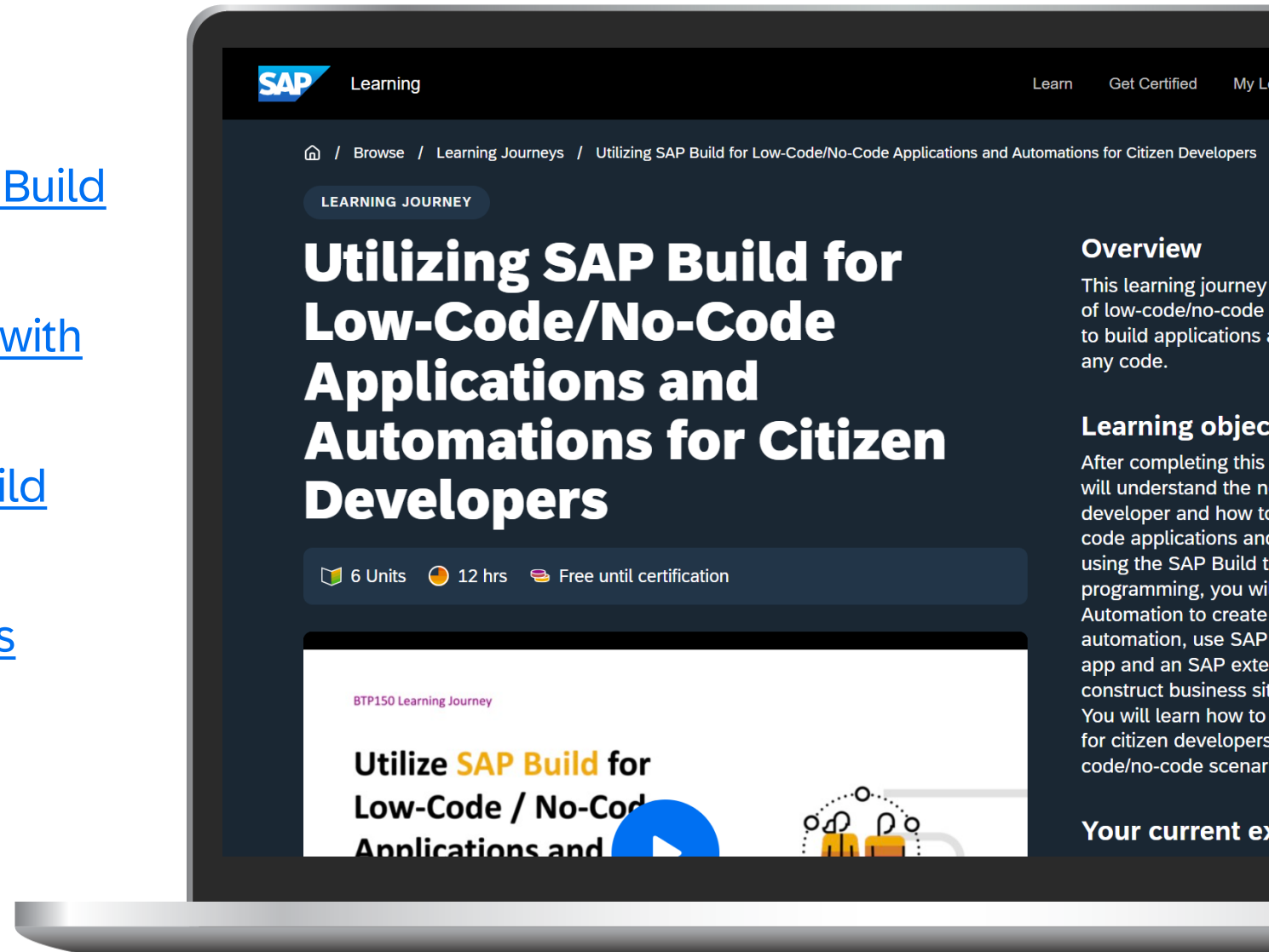
SAP Build enables developers of all skill levels to build applications and automate workflow processes and tasks without writing code.

Drive Industry Relevant Innovation

Start building immediately by leveraging out-of-the-box templates for multiple SAP products.

Start your Learning Journey

- [Composing and automating with SAP Build the No-Code Way](#)
- [Creating Processes and Automations with SAP Build Process Automation](#)
- [Extending SAP S/4HANA with SAP Build Apps and Key User Extensibility](#)
- [Developing Apps with SAP Build Apps using Drag-and-Drop Simplicity](#)



Ask Questions!
Give Feedback!



Thank you.

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