

# A Hitchhiker's Guide to SAP Fiori UX and its Technologies (Part 1)

Oliver Graeff, Director – Product Management, SAP  
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PUBLIC



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# The Hitchhiker's Guide to the Galaxy

A comedy science fiction story created by Douglas Adams. Originally a 1978 BBC radio comedy, it was later adapted to other formats. The narrative follows the misadventures of the last surviving man, Arthur Dent, who is rescued from Earth's demolition by Ford Prefect—a human-like alien writer for the eccentric, electronic travel guide: **The Hitchhiker's Guide to the Galaxy**.



A towel, it says, is about the most massively useful thing an interstellar hitchhiker can have. Partly it has great practical value, but more importantly, a towel has immense psychological value.

# Agenda

## Part 1 (today)

1. SAP Fiori User experience
2. The digital experience for business users
3. Q&A

## Part 2 (Thursday)

1. Building apps with SAP Build
2. Extending standard SAP apps
3. Q&A

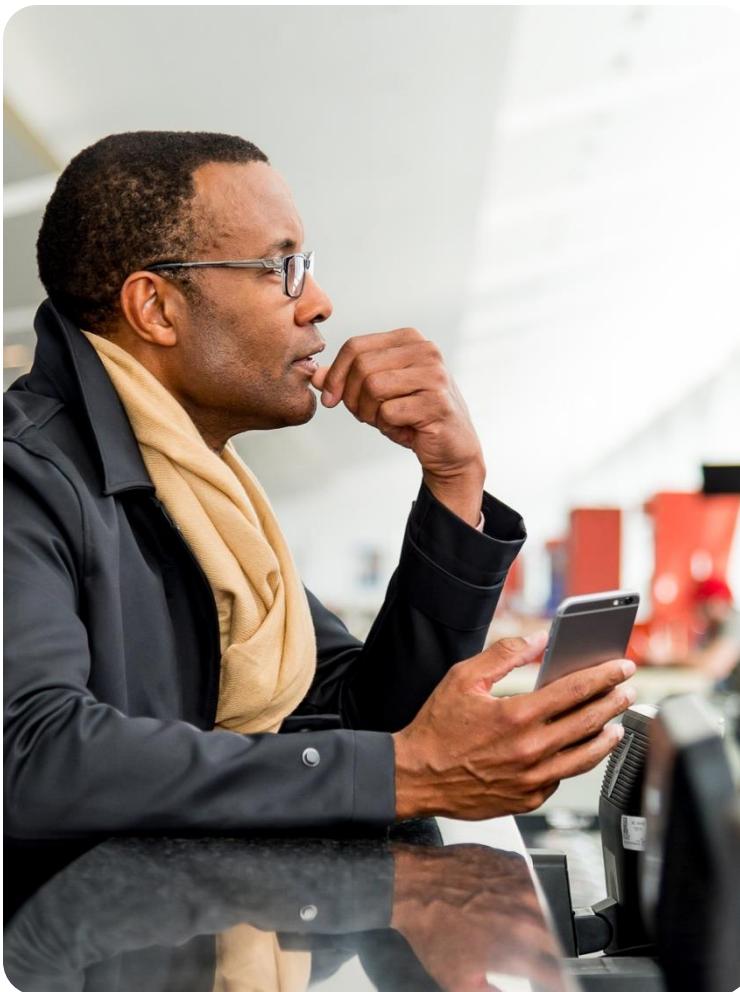
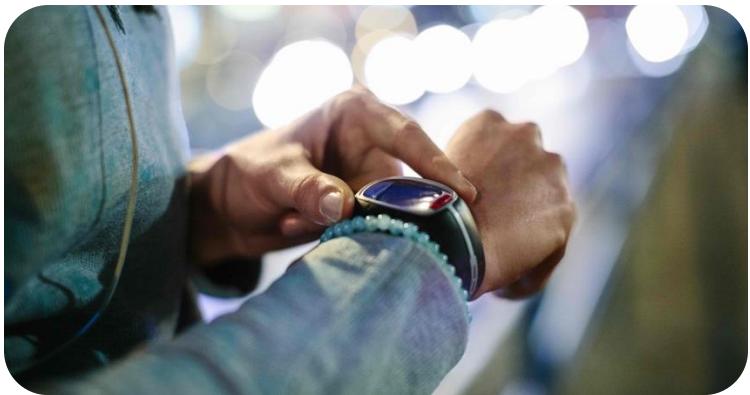


# SAP Fiori User Experience



"If you start with a **technology** then it just becomes a **feature list**, but when you start with a **person** then really **amazing things happen.**"

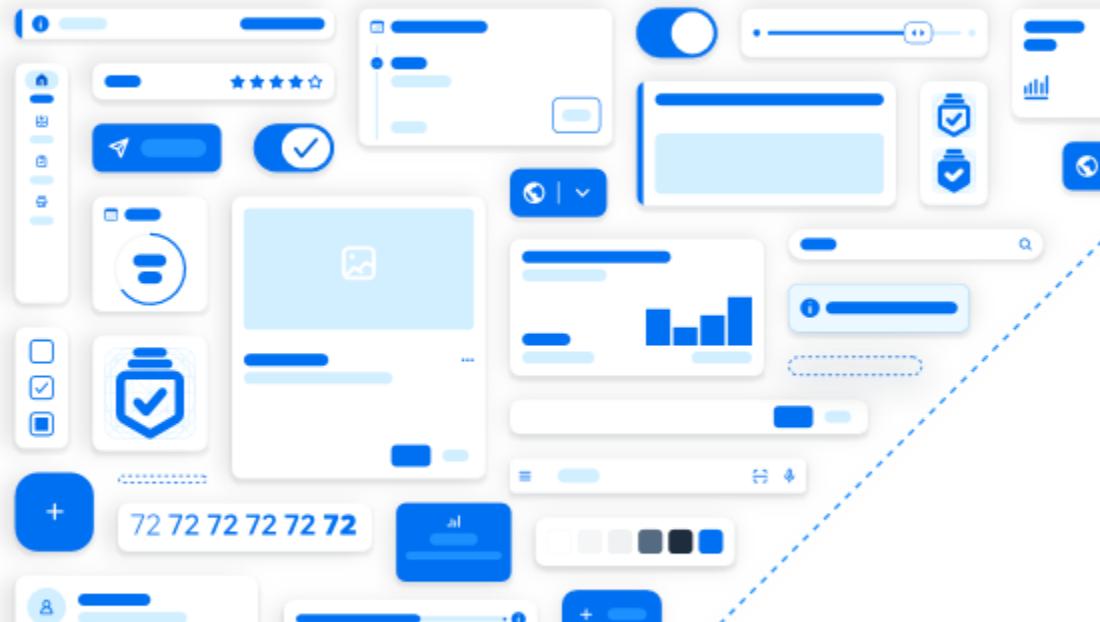
Mike Vanis - Interaction Designer



How we live determines how we want to work.

# SAP Fiori Design System

Consistent and  
inclusive UX



Friday, September 26, 2025

Hi Example, great to see you!

 Add Content

Recap

My Home Settings

To-Dos  now Show More

Tasks (28)

Situations (209)



Approve Purchase Order 4500056414

Medium Priority

Qi Liu

Purchase Order Net Val...  
10,000.00 CNYSupplier Details:  
CN Domestic Supplier  
301 (0013300301)Purchasing Organization:  
Purch. Org. 1310 (1310)Purchasing Group:  
Group 001 (001) Approve  Reject

Approve Purchase Order 4500055749

Medium Priority

\_SAPI559291

Purchase Order Net Val...  
0.00 EURSupplier Details:  
Werk 1010 als  
Geschäftspartner  
(0010411010)Purchasing Organization:  
Purch. Org. 1010 (1010)Purchasing Group:  
TM – Int. Planning (007) Approve  Reject

Approve Purchase Requisition 10044658

Medium Priority

chandwar

Number Of Items:  
1Total Net Value:  
11.00 EURRequisition Date:  
29.06.2025Requestor:  
chandwar Approve  Reject

Approve Purchase Requisition 10044530

Medium Priority

SatishKumar R

Number Of Items:  
1Total Net Value:  
11.00 EURRequisition Date:  
26.06.2025Requestor:  
SatishKumar R Approve  RejectNews 

test no descip

Discover new features and changes of this release

Pages  Internal Sales Overview

Internal Sales

 Customers and Products

Internal Sales

 Sales Processing

Internal Sales

 Scheduling Agreement Processing

Internal Sales

 Sales Rebates

Internal Sales

 Sales Commissions and Incentives

Internal Sales

 Sales Analysis

Internal Sales

# SAP Fiori continues to evolve

## Casual users

Self-service apps



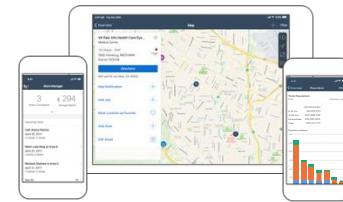
## Desktop user

The new face of SAP S/4HANA



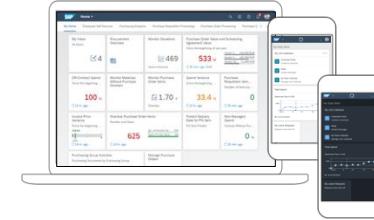
## Native mobile

for iOS & Android



## Next steps of the SAP Fiori evolution

SAP Fiori with Quartz



SAP Fiori with Horizon



## Conversational



Consistent  
Intelligent  
Integrated

Collaborative

2013

SAP Fiori

2016

SAP Fiori 2.0

2019

SAP Fiori 3

2022+

SAP Fiori with Horizon

# SAP Fiori provides UX Consistency

The SAP Fiori Home page is a central hub for various SAP Fiori applications. It features a large banner at the top with a photo of two children in flight suits and the text "Mon, Sep 18 Hello, AP!". Below the banner is a "To Do" list with four items, each with an "Approve" and "Reject" button. The "Approve" button is green and the "Reject" button is red. Below the "To Do" list is an "Insights" section with several cards:

- Supplier Performance Monitoring**: Supplier Evaluation Trend. A line chart showing Operational Score by Quarter from 2021 to 2023. The score starts at ~40 in Q4 2021, rises to ~80 in Q1 2022, stays flat until Q3 2022, and then rises to ~85 in Q4 2022.
- Supplier Performance Monitoring**: Operational Score and Purchasing Spend by ...
- Monitor Purchase Order Items**: Overdue. Shows a list of purchase orders with details like delivery date, value, and quantity.
- Purchasing Spend**: Purchasing Spend Trend. A line chart showing PO Net Amount by Quarter from 2022 to 2024. The trend shows a peak in Q1 2023 followed by a decline.

At the bottom of the page, there are two more cards: "Non-Managed Spend" and "Off-Contract Spend".



View Trips

0



Rule Class

Travel AI - AUT Sabre Air Class

Booking for myself | [Book for a guest](#)

All good to fly!

## Flight Search

 Round-trip    One-way    Multi-city

From \*

Enter airport, city or location

To \*

Enter airport, city or location

Dates \*

2025-07-08 - 2025-07-09

TripIt creates a schedule with all your travel details in one place, accessible on Android or iPhone.  
Simply connect your Concur account to TripIt. [Connect to TripIt](#) [No, thanks](#)

## Company Notes

Book travel with Concur, check travel rules set by your company, get travel maps, and more.



Today 09:32  
I want to book a flight from San Francisco to London on Sept 9th and back on Sept 13th

Here are flight options from **San Francisco** to **London** that depart on **September 9, 2025**, based on your frequent traveler memberships, flight availability, and company policies.

San Francisco - London  
Departing flight • Departing on Tuesday, September 9, 2025

**jetBlue** 11:00 - 09:35<sup>1</sup> USD 772  
1 Stop BOS • 14h 35m • 1333 kg CO<sub>2</sub>e  
jetBlue • Optimised connection time, Least expensive flight, No overnight layover • Least Cost Logical Fare

**jetBlue** 22:30 - 20:45<sup>2</sup> USD 786  
1 Stop JFK • 14h 35m • 1432 kg CO<sub>2</sub>e

Message Joule...



Joule uses AI. Verify results.

# SAP Fiori User Experience

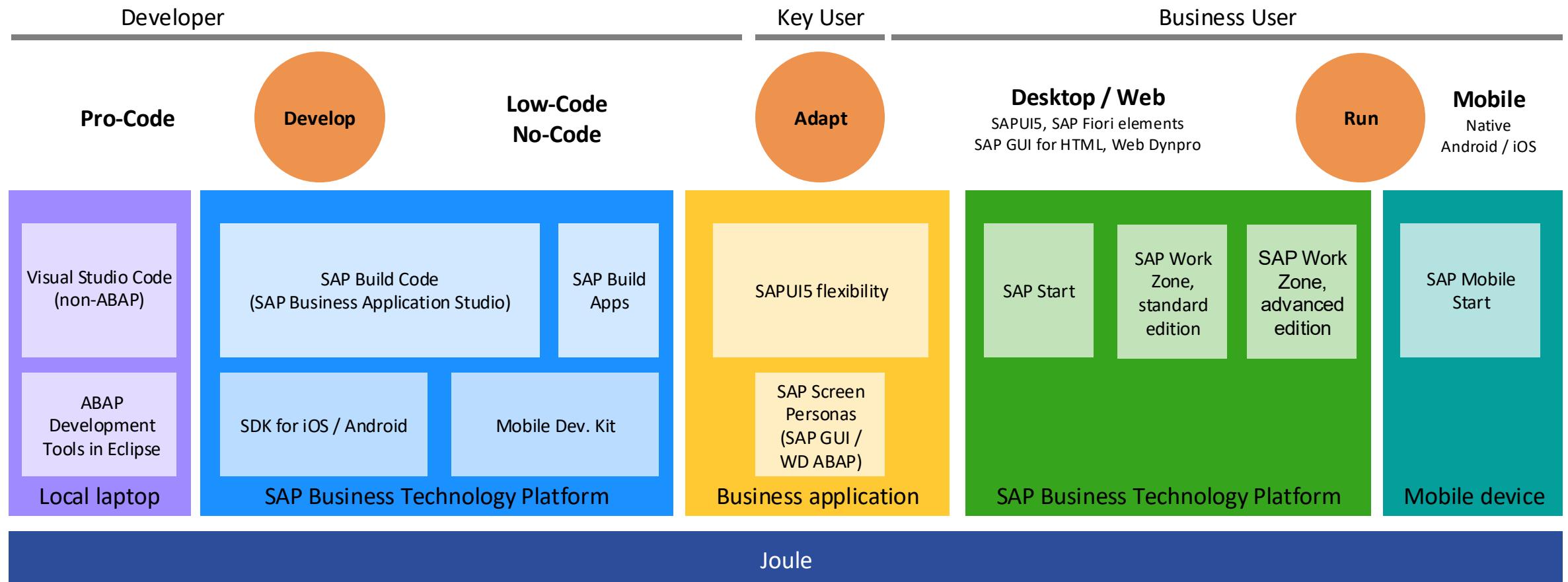
[SAP Design System \(Guidelines\)](#)

[SAP Fiori for Designer - Web UI Kit for Figma](#)

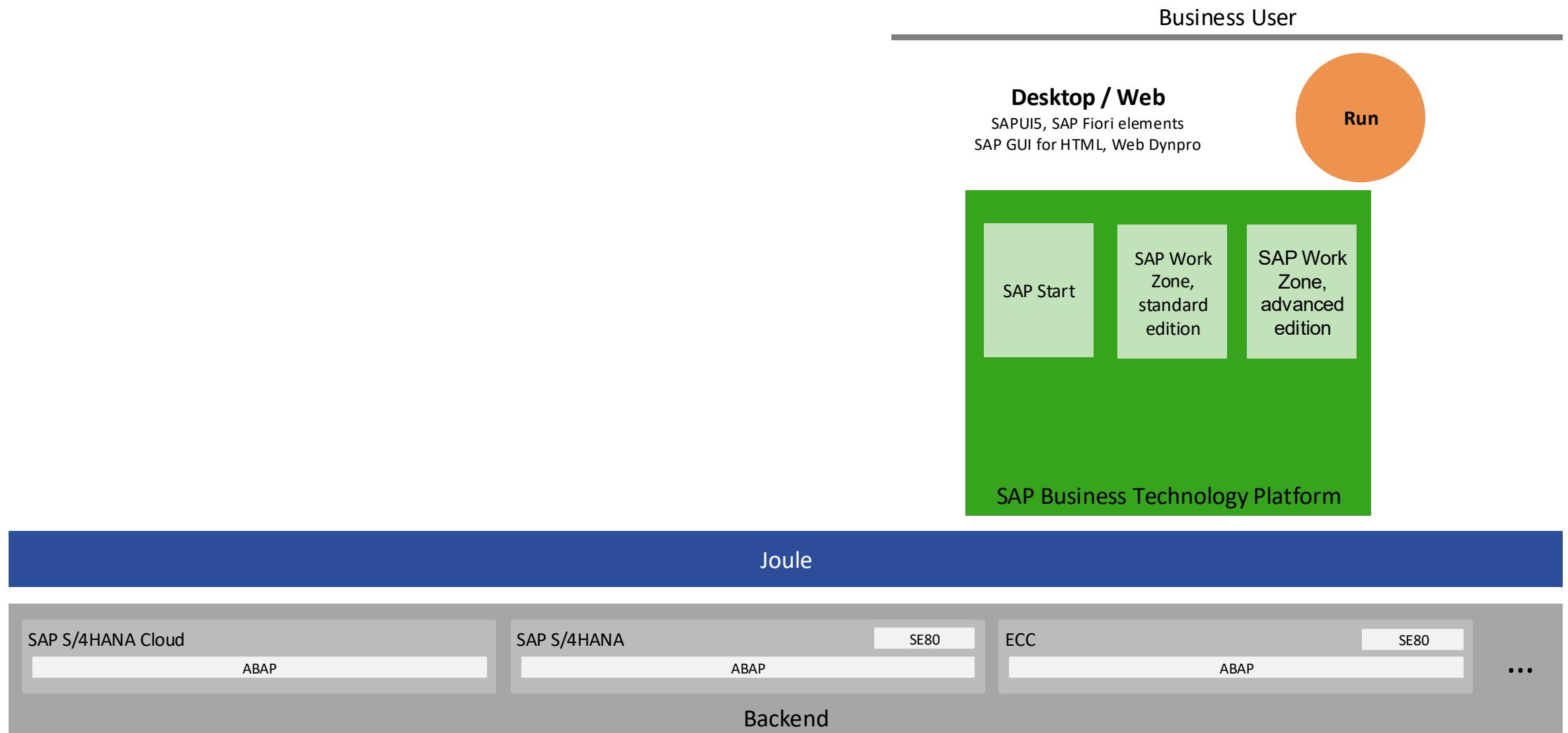
[SAP UX Q3/2025 Update – Parts 1-7 \(blog post series\)](#)



# SAP Fiori user experience enabled by technologies & tools



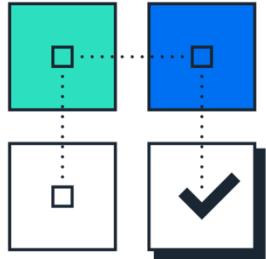
# SAP Fiori user experience enabled by technologies & tools



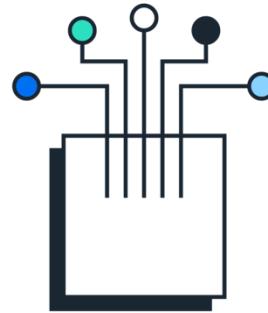
# The entry point to SAP Fiori: SAP Build Work Zone



# Facing the reality of a diverse and complex enterprise IT landscape



various **systems**  
and **repositories**



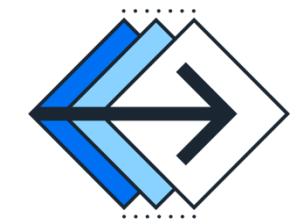
**heterogenous**  
(SAP and third-party)



various **content types**  
and  
**UI technologies**



**hybrid setup**  
cloud + on premise



**multi-channel**  
(internal, external,  
mobile)



## Our vision

Increase **user productivity** by intelligently providing access to **applications, processes, tasks and information** anywhere on any device

# Easy and convenient access to SAP solutions

## Cross-system entry point

Central access to apps, tasks, notifications, and (unstructured) content across multiple SAP systems and cloud solutions

## Product home pages

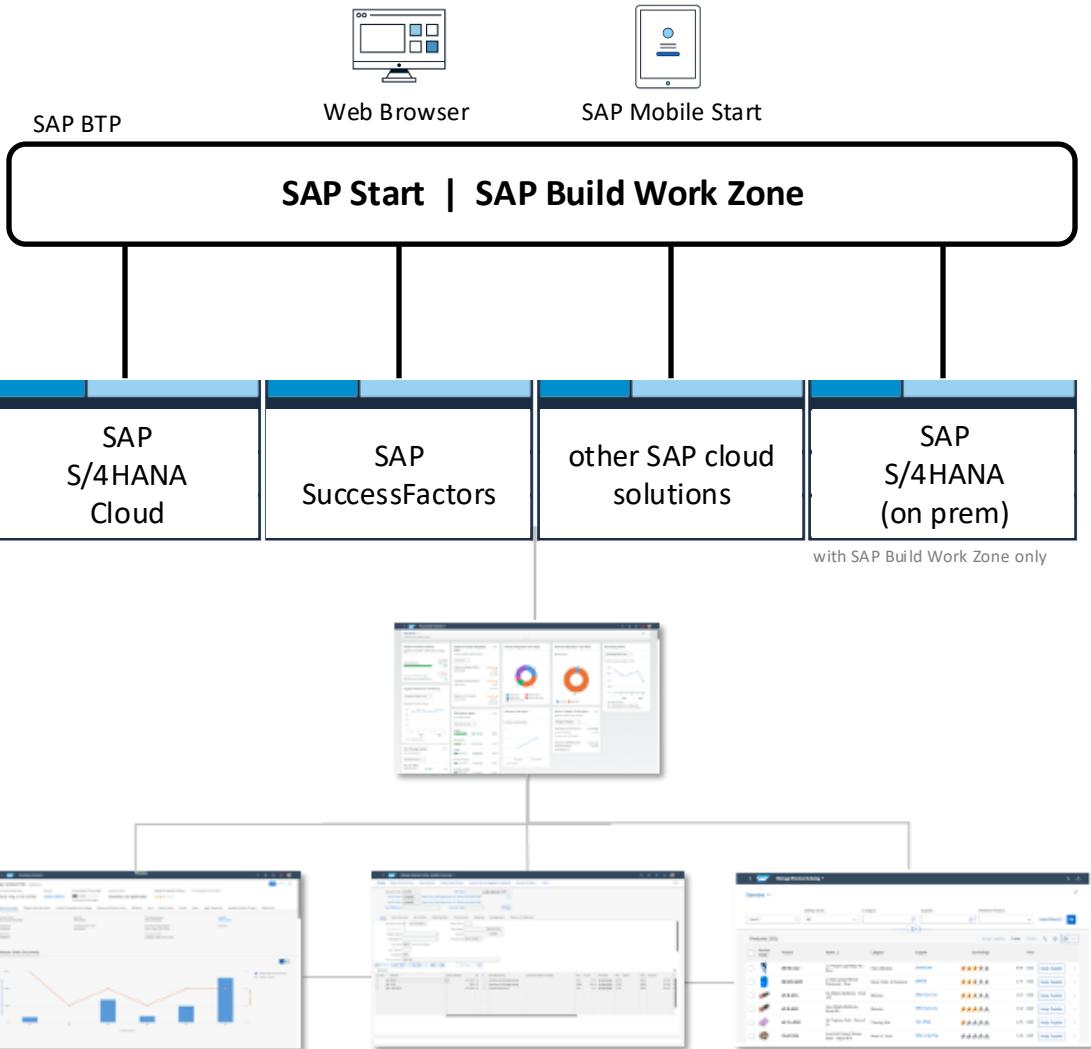
Access relevant business content within a single SAP system or cloud solution

## Apps and analytics in overview pages

Organize resources per business role

## Apps

Details and in-depth exploration



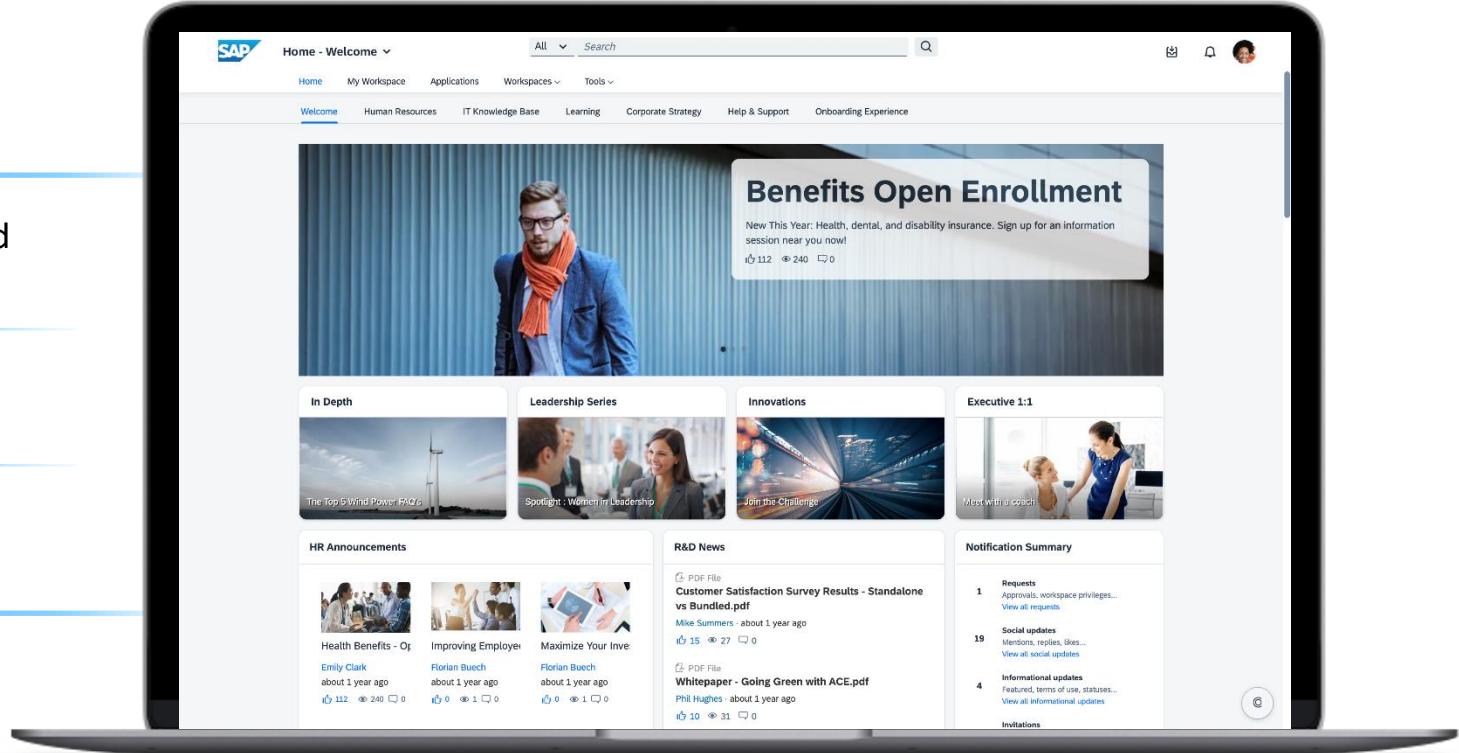
# SAP Build Work Zone delivers ONE user experience across the enterprise

## Create engaging sites to get work done quickly across enterprise applications

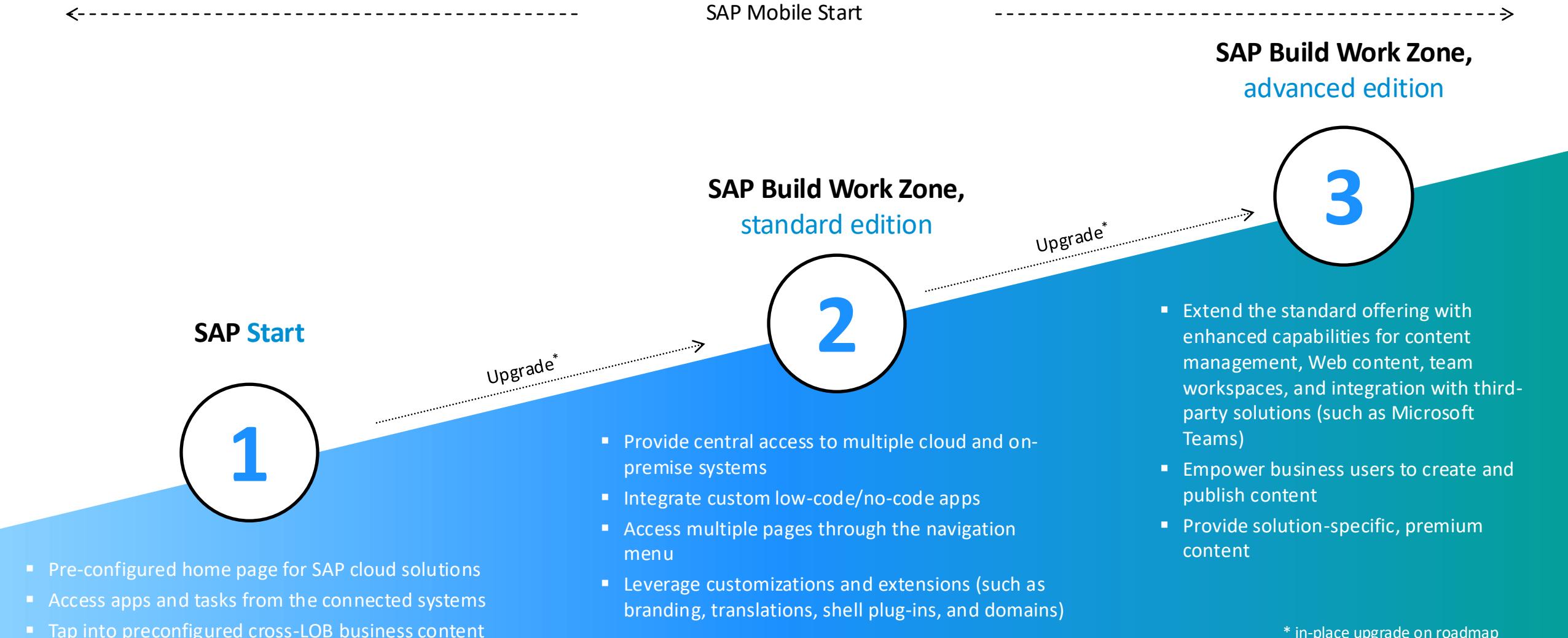
**Build digital workspaces, business sites, and portals with ease.**

Maximize team productivity with **guided experiences and knowledge sharing**.

Surface personalized recommendations, insights, and actions.



# A modular offering for the central entry point from SAP



# Choosing the right solution for your central entry point by SAP

	<b>SAP Start</b>	<b>SAP Build Work Zone, standard edition</b>	<b>SAP Build Work Zone, advanced edition</b>
Cloud solutions from SAP			
SAP on-premise systems and 3 <sup>rd</sup> -party solutions			
Customer-developed apps and processes			
Unstructured content such as Web content, documents, multimedia			
Interactive workspaces created by business users			

# Joule for SAP Build Work Zone\*

## Available today (plugin & search)

### Availability in SAP Start

### Availability in SAP Build Work Zone, standard edition

## Integration Roadmap

### Availability in SAP Build Work Zone, advanced edition

### Availability in SAP SuccessFactors Work Zone

# The entry point to SAP Fiori: SAP Build Work Zone

[SAP Build Work Zone \(Getting Started / Tutorials\)](#)

[Set Up SAP Build Work Zone, standard edition Using a Trial Account](#)

[SAP Fiori Deployment Options and Landscape Recommendations](#)



# The Strategic UI technology of SAP Fiori: SAPUI5



# SAPUI5 is SAP's standard UI framework of choice

## Consistent UX

SAPUI5 enables the SAP Fiori design evolution across SAP solutions (and beyond).

## Use anywhere

SAPUI5 allows single, responsive app implementations for browsers, platforms, and devices.

## Flexible tools

for any developer: SAPUI5 comes with tools to efficiently build, test, and deploy apps, including SAP Build Code.

## Innovations

SAPUI5 brings a clear separation of apps and framework to centrally innovate while staying upgrade-compatible.

## Enterprise UI elements

and UI integration cards to build professional UIs, SAP Web Components to cover all Web technology stacks.

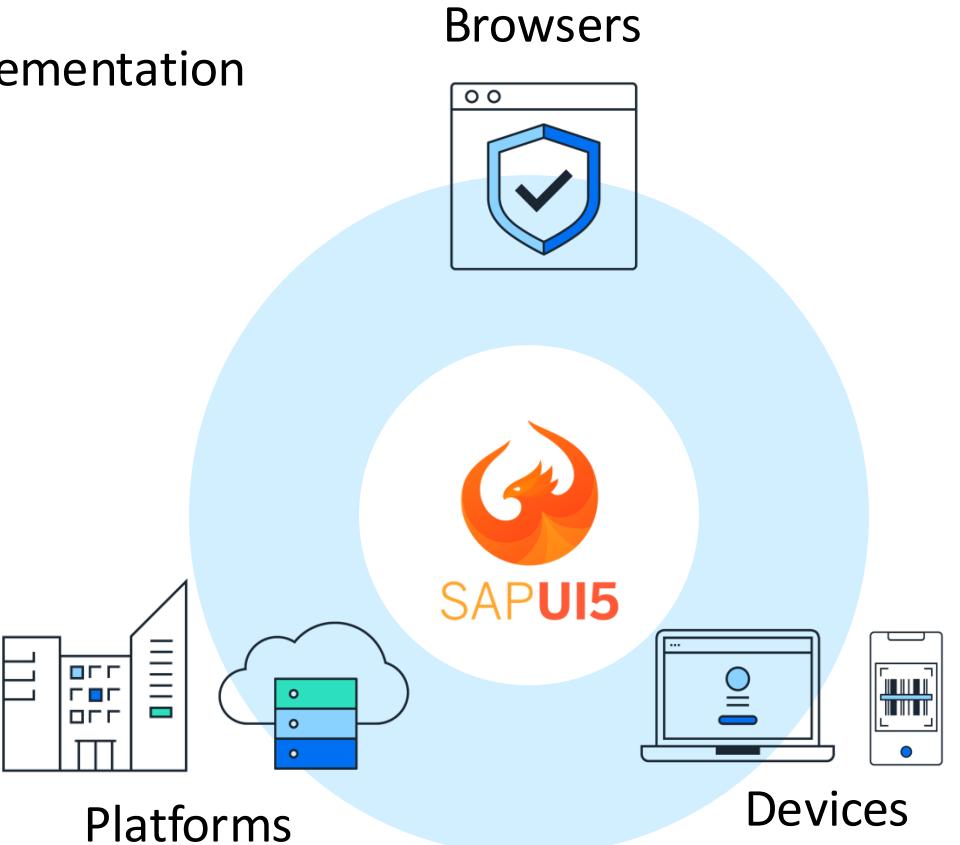
## Powerful extensibility

Customers/partners can adapt SAP standard apps and customize UIs with/without coding.

# SAPUI5 applications

A single app implementation for all

- Browsers
- Platforms
- Devices



[SAPUI5 Browser and Platform Support](#)



# SAP Web Components: Using SAPUI5 capabilities in any programming model

**add** Hello

- Apples
- Oranges
- Bananas

```
<body class="sapUiBody">
  <button>add</button>
  <input placeholder="Hello"></input>
  <ul>
    <li>Apples</li>
    <li>Oranges</li>
    <li>Bananas</li>
  </ul>
</body>
```

**add** Hello

Apples  
Oranges  
Bananas

```
<body class="sapUiBody">
  <ui5-button>add</ui5-button>
  <ui5-input placeholder="Hello"></ui5-input>
  <ui5-list>
    <ui5-li>Apples</ui5-li>
    <ui5-li>Oranges</ui5-li>
    <ui5-li>Bananas</ui5-li>
  </ui5-list>
</body>
```

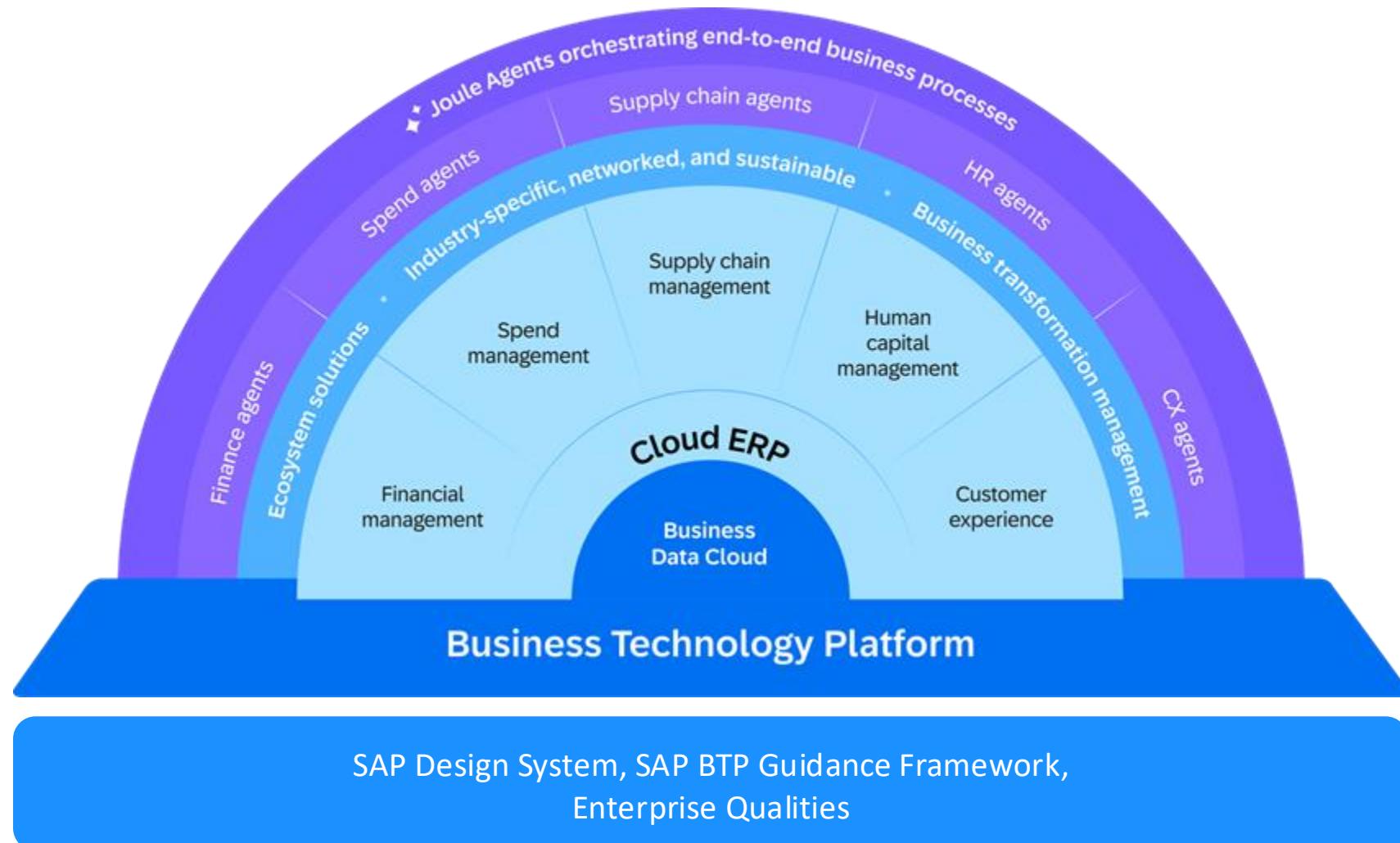
Angular

React

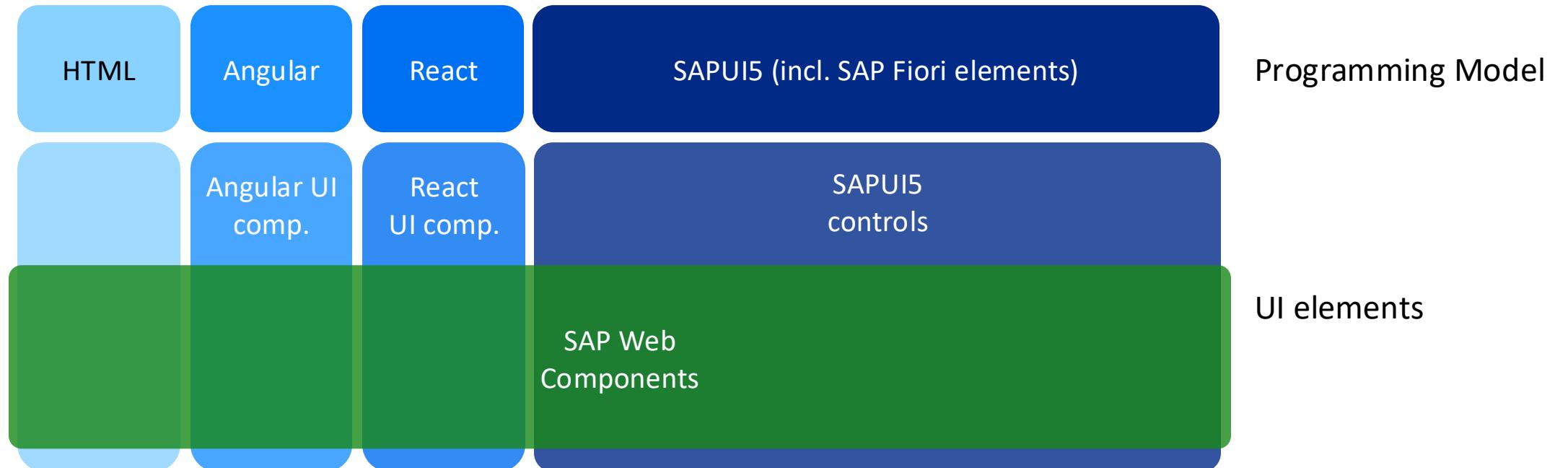
Vue

...

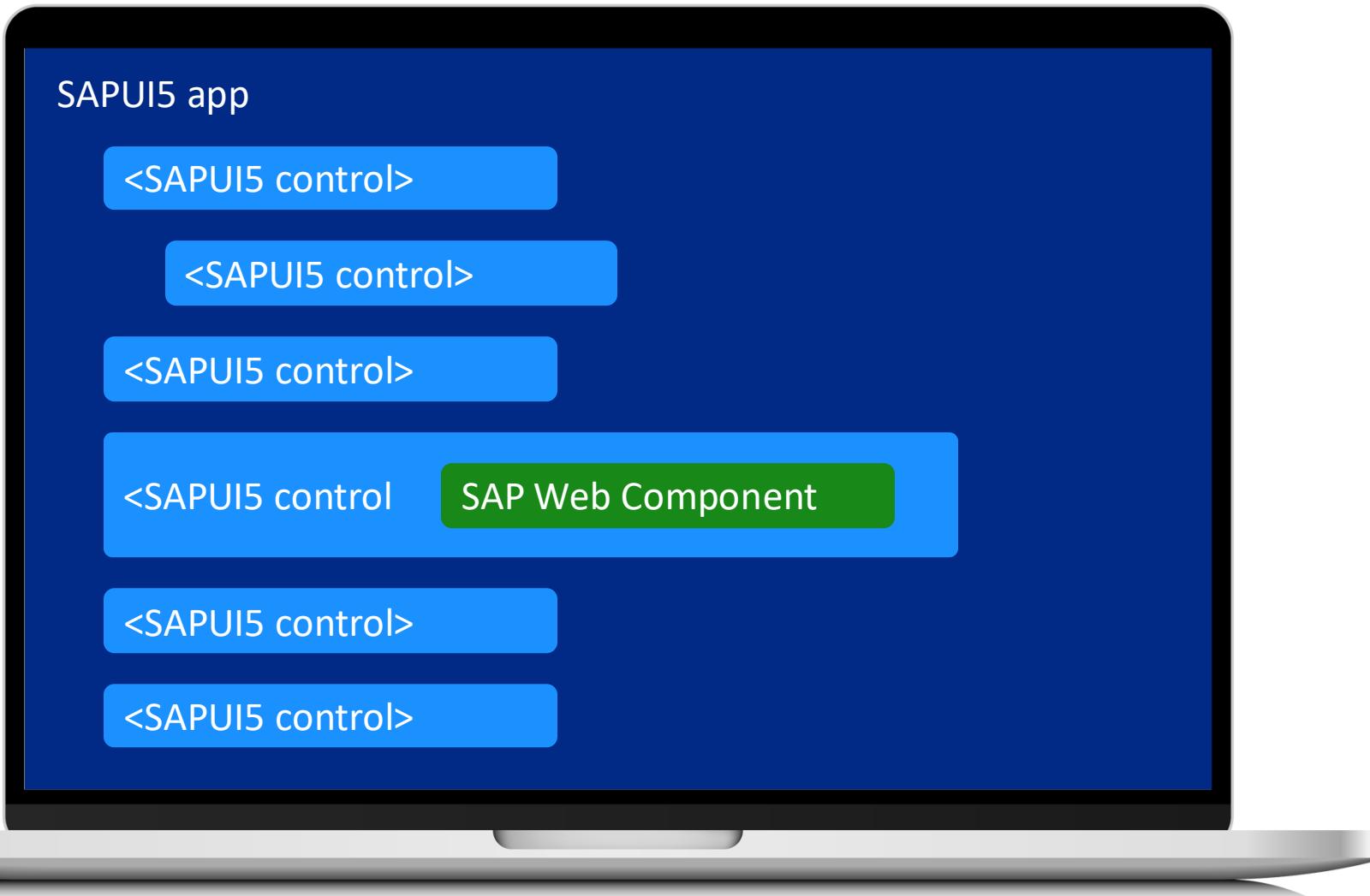
# A consistent and smooth UX across SAP's products



# A consistent and smooth UX across SAP's products



# Smooth integration of SAP Web Components into SAPUI5



## How you do it

- Use SAP Web Components in SAPUI5 apps.
- Consume just like regular SAPUI5 controls.

## Why you do it

- SAP Web Components are strategic UI elements for Web technology stacks.
- Benefit from SAPUI5 framework features for SAP Web Components.

# SAPUI5 is SAP's standard UI framework of choice



## Completed *Evolution of UI elements*

We are concluding the evolution of UI elements by bringing together SAP Web Components and SAPUI5.



## Proven *UI controls*

SAP Web Components enrich existing control sets across ALL frameworks and existing apps.



## Strong *SAP Web Components*

The reference implementation of new UI elements, open for inner source contributions.



## Standard *SAPUI5*

SAPUI5 is the standard UI framework, supported and delivered to all SAP solutions.



## How SAPUI5 apps benefit

- Get latest design and innovations 'for free'
- UX consistency across the portfolio
- A single standard technology scales innovations
- A single reference implementation for any technology stack
- Minimal cost/effort for adopting new standards
- Following SAP guidelines and modern Web standards

# The Strategic UI technology of SAP Fiori: SAPUI5

[What is SAPUI5?](#)

[SAPUI5 Demo Kit \(<https://ui5.sap.com>\)](#)

[Get Started: Setup, Tutorials, and Demo Apps](#)

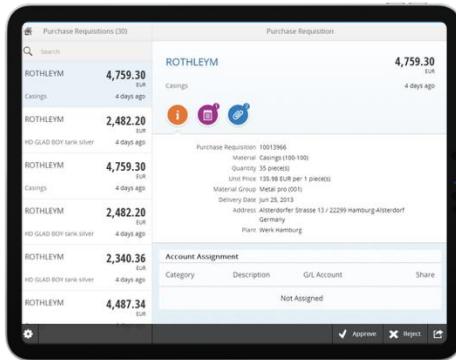
[SAPUI5 Community](#)



# Efficiently developing SAPUI5 apps: SAP Fiori elements



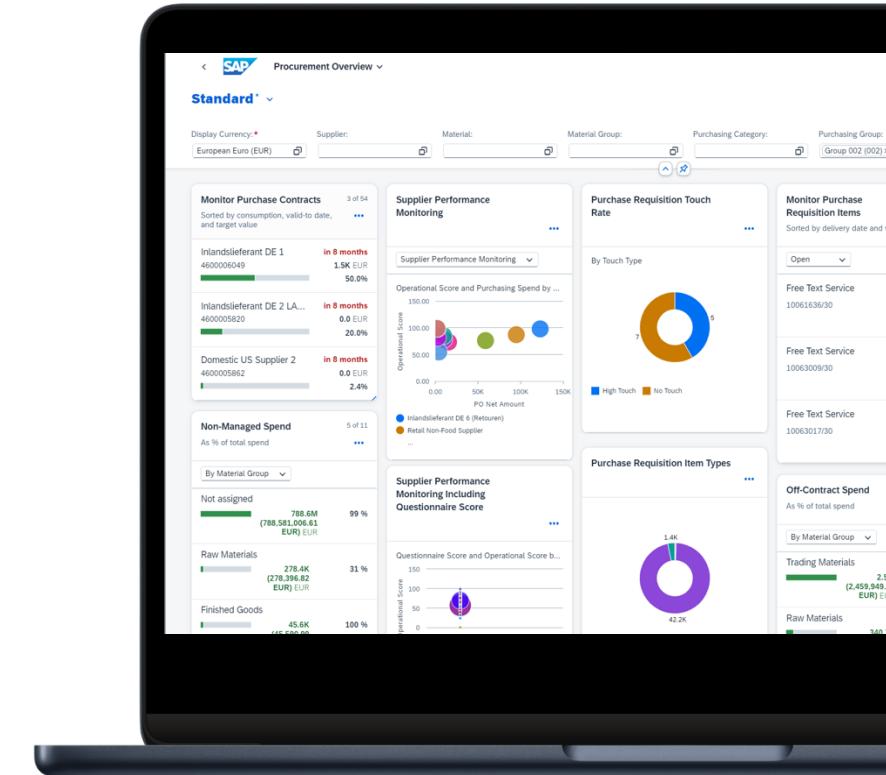
# The need to scale better UX led to SAP Fiori elements and SAP Fiori tools



2013  
Tens of SAP Fiori apps

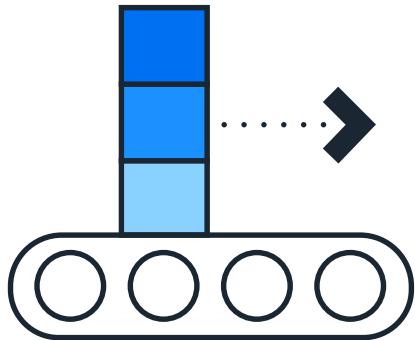


2016  
Hundreds of SAP Fiori apps



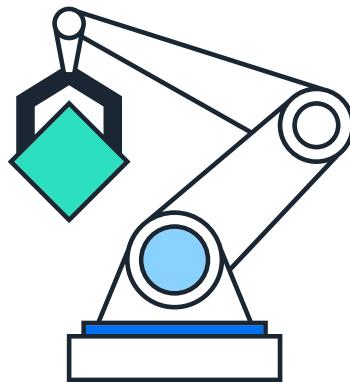
Today  
Thousands of SAP Fiori apps

# SAP Fiori elements makes it faster and easier to build SAPUI5 apps



## Boosts Developer Productivity

Build SAP Fiori apps faster and more easily than manually coding by using the same framework that SAP uses.



## Drives UX Consistency

Spend more time on the business logic to implement business needs and less time coding the UI since the framework provides the UI.

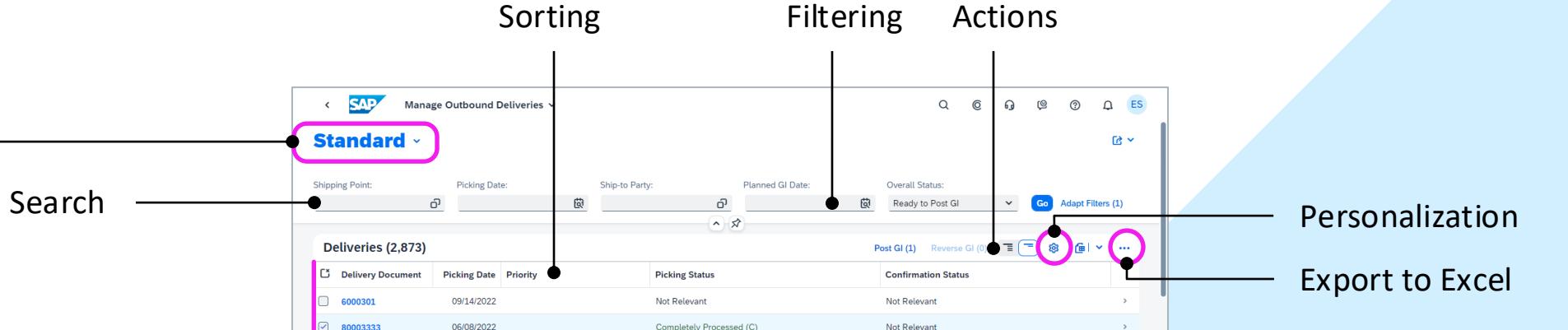


## Enables Enterprise Readiness

Give your business users the enterprise-grade functionality they expect without having to develop it yourself.

# SAP Fiori elements enables enterprise-ready apps out of the box

Variant management



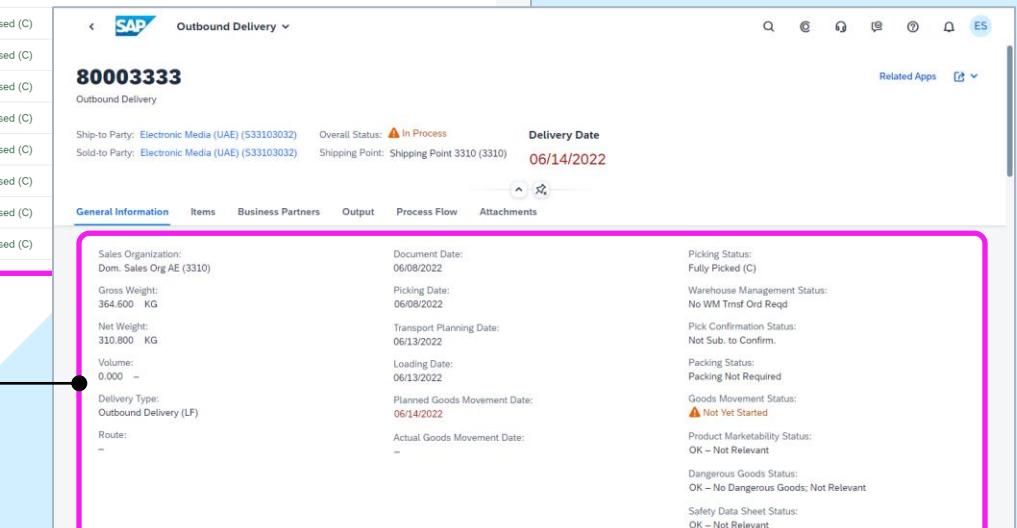
Search

Data Lists

## Enterprise readiness features

- ✓ Accessibility
- ✓ Internationalization
- ✓ Mobile compatibility
- ✓ Responsiveness
- ✓ Performance optimizations
- ✓ Integration
- ✓ Security checks
- ✓ Lifecycle stability
- ✓ Test automation support ... and more

Object Details



# OData annotations are metadata that define attributes and relationships

## How is it displayed?

### SAP Fiori elements patterns

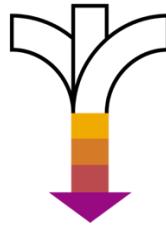
- Overview page
- List Report page
- Object page
- Analytical list page
- Worklist page



Provided by:  
SAP framework development



Business data



at runtime

## What is displayed?

- Semantic metadata / annotation
- Behavior
- Consumption hints



Provided by:  
Application Developers

*“Consumption hints”*

Which fields allow a human to identify the entity?

Which fields are clickable?

*“This entity can be edited”*

*“This is the currency for the amount”*

*“These fields shall be displayed together in a form”*

*“Behavior like creatable, updatable”*

# Choose the right development approach for your SAPUI5 app

<b>SAP Fiori elements</b>	<b>freestyle SAPUI5</b>
Efficiency	Flexibility
Standard floorplans	Anything you want
Annotations (XML, wizards, development guides)	Web development (JavaScript, HTML)
Own annotations, SAP's UI logic	Own coding, own UI logic
Lower	Higher
	<b>Total cost of development and maintenance</b>

# We offer several ways to build SAPUI5 apps



Efficiency

Flexibility



## SAPUI5 with SAP Fiori elements



### FLOORPLANS

Best way when desired app is close to a standard pattern

- Reduce time, coding to develop and maintain apps
- Match look and feel of apps that SAP ships



### BUILDING BLOCKS (Flexible Programming Model)

Best way to add standard functionality to a custom page

- Speed development by using pre-built blocks
- Combine building blocks for more complex designs



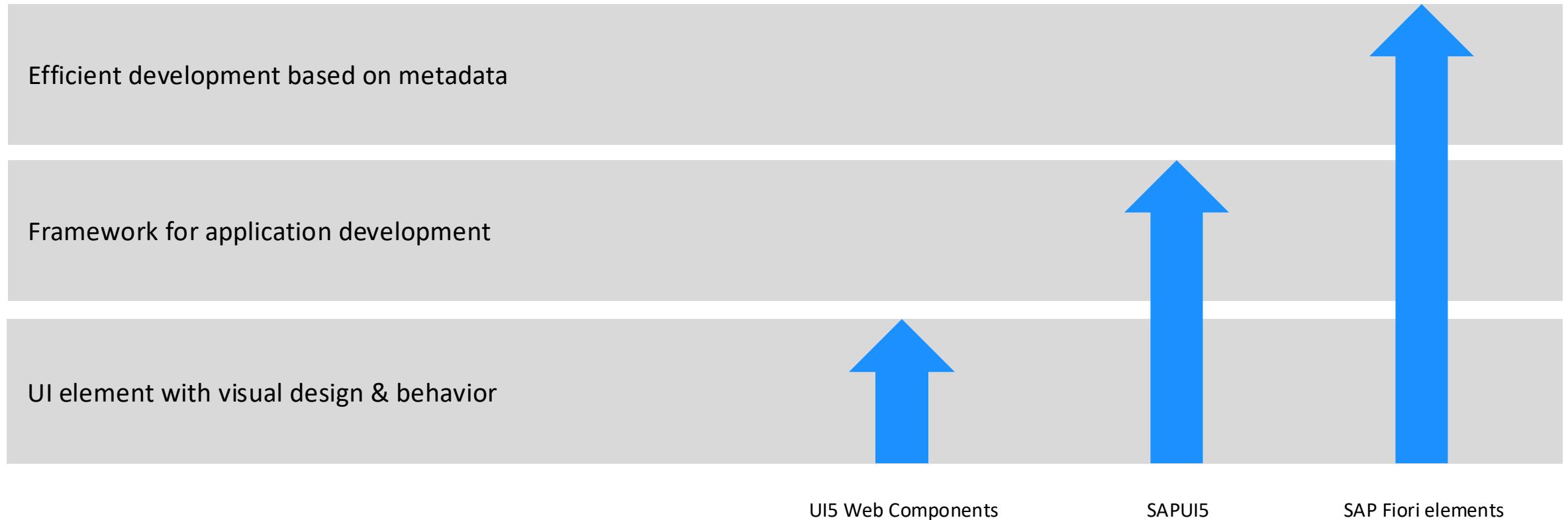
### SAPUI5 CONTROLS

Best way to have full control of every item on the screen

- Allow complete customization of your app
- Shift more maintenance of the app to the development team

**Flexible programming model** lets you use as much SAP Fiori elements as possible for efficiency and as much freestyle SAPUI5 as needed for flexibility.

# SAPUI5 brings scalability and flexibility to SAP Fiori app development



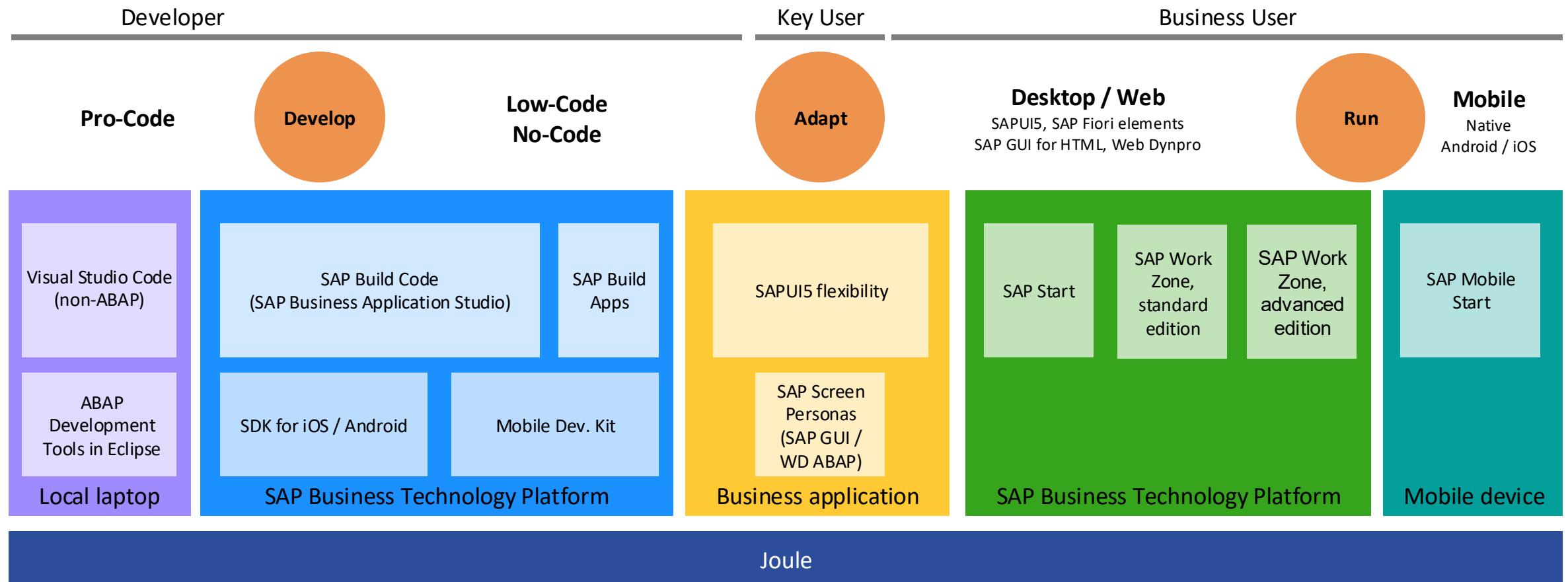
# Efficiently developing SAPUI5 apps: SAP Fiori elements

[Developing Apps with SAP Fiori elements](#)

[SAP Fiori Development Portal](#)



# SAP Fiori user experience enabled by technologies & tools



# Thank you.

**... and don't panic!**

Contact information:

**Oliver Graeff**

Director – Product Management, SAP



E-mail: [oliver.graeff@sap.com](mailto:oliver.graeff@sap.com)

LinkedIn: [olivergraeff](https://www.linkedin.com/in/olivergraeff)

# Questions?

