

A Hitchhiker's Guide to SAP Fiori User Experience and its Technologies 2.0

Oliver Graeff, Director – Product Management, SAP UI Technology September 15, 2022

PUBLIC



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Flow of this session (2h)

- 1. A Hitchhiker's Guide to SAP Fiori UX (1)
- 2. Break / Exercise (10 min)
- 3. A Hitchhiker's Guide to SAP Fiori UX (2)
- Q&A
- 5. Survey

 Please share your feeback



The Hitchhiker's Guide to the Galaxy

A comedy science fiction story created by Douglas Adams. Originally a 1978 radio comedy broadcast on BBC Radio 4, it was later adapted to other formats, including stage shows, novels, comic books, a 1981 TV series, a 1984 text-based computer game, and 2005 feature film.

The broad narrative of Hitchhiker follows the misadventures of the last surviving man, Arthur Dent, following the demolition of the Earth by a Vogon constructor fleet to make way for a hyperspace bypass.



Dent is rescued from Earth's destruction by Ford Prefect—a human-like alien writer for the eccentric, electronic travel guide The Hitchhiker's Guide to the Galaxy—by hitchhiking onto a passing Vogon spacecraft.

Following his rescue, Dent explores the galaxy ...

SAP Fiori User Experience



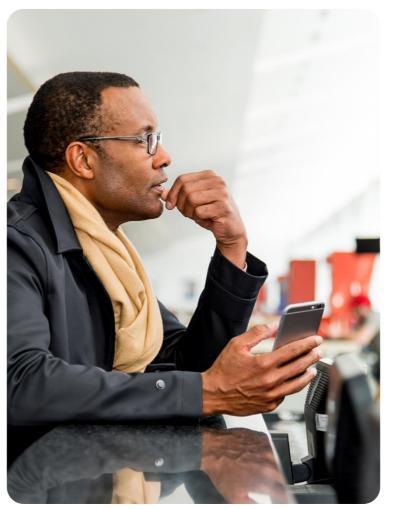
"User Experience is the corner stone of user productivity, satisfaction & adoption. This is the most important factor in realizing customer value from the Intelligent Enterprise."

Thomas Saueressig
Member of the Executive Board of SAP
Head of SAP Product Engineering













How we live determines how we want to work.

We care about your needs

"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

SAP Fiori big picture



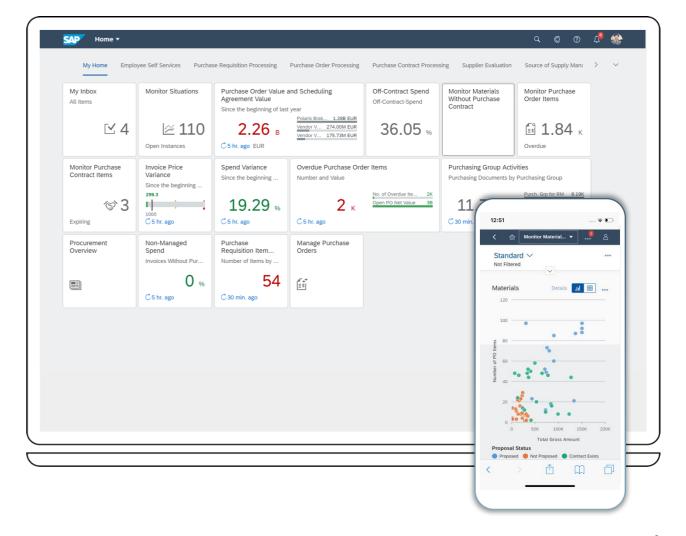
Design System



Technologies & Tools



Portfolio of apps



SAP Fiori 3 the latest evolution

Casual users Self-service apps





Power user

The new face of S/4HANA





Design principles



Native mobile for iOS & Android



Conversational



Next steps of the Fiori evolution

Fiori Design System









Consistent Intelligent Integrated



SAP Fiori 2.0

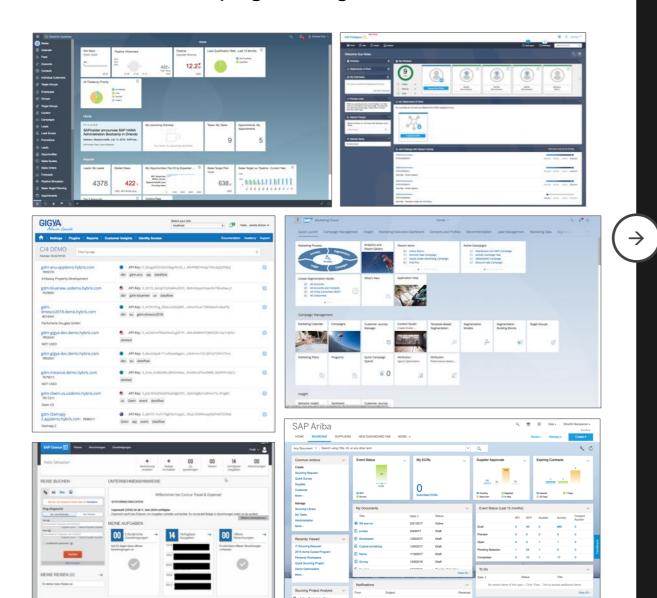
SAP Fiori 3

SAP Fiori

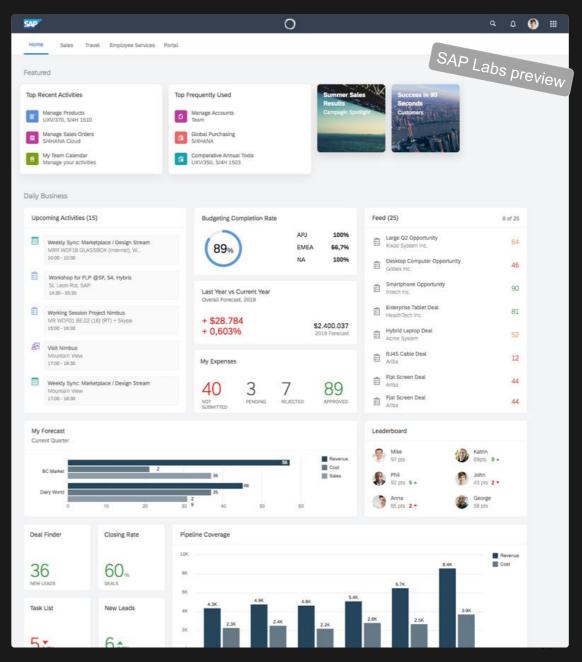
2013

Fiori 3 provides UX Consistency

Current home page designs



SAP Fiori 3



Introducing the Horizon Theme

We know that first impression matter. That's why we're driving the next evolution for SAP Fiori by focusing on fresh new themes in order to make our products more approachable and delightful for our everyday users.

Our user insights-informed transformation will continue in the coming months with improvements across all four of our design pillars:

- Aesthetics
- Performance
- Accessibility
- Product Usability







Availability of Horizon themes of SAP Fiori

Horizon is available in SAP S/4HANA Cloud 2208

 SAP Fiori Update: Major Horizon Next Steps Available Now – SAP S/4HANA Cloud 2208 and More

Developers can use Horizon on SAP Business Technology Platform

Horizon theme of SAP Fiori: productive usage for web applications

Horizon themes in SAP Launchpad service and SAP Work Zone

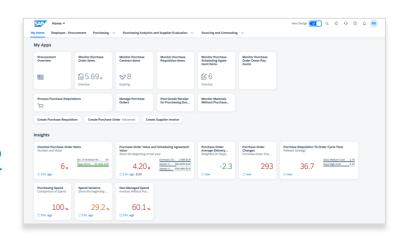
 Horizon themes now available with the SAP Launchpad service and SAP Work Zone

Horizon themes in UI Theme Designer

Video

Horizon themes for Android & iOS mobile applications

 SAP Fiori for Android & iOS: An all-new user experience for enterpriseready mobile applications



SAP Fiori Design System

SAP Fiori Design Guidelines

SAP Fiori's Horizon visual theme in SAP S/4HANA Cloud 2208 (video)



14

Learn more

General information on SAP User Experience

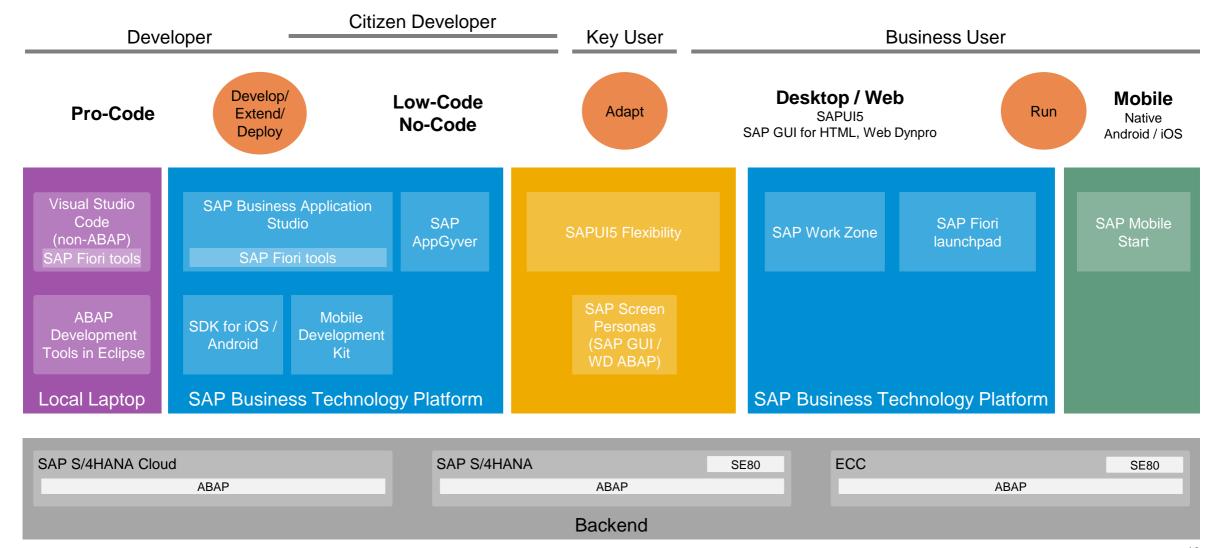
- SAP Fiori Design Guidelines
- SAP Fiori product page
- SAP Fiori topic page in the SAP community

Additional information

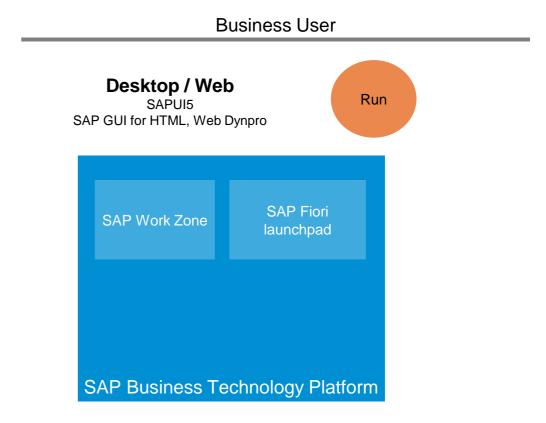
- openSAP course "SAP Fiori overview"
- SAP Fiori Road Map, as storyboard
- The Experience Mindset: Redesigning How We Build Products at SAP
- Horizon demo video
- SAP Fiori apps reference library
- SAP Fiori lighthouse scenarios with SAP S/4HANA

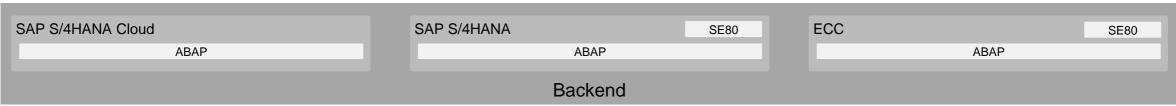


SAP Fiori User Experience Enabled by Technologies & Tools



SAP Fiori User Experience Enabled by Technologies & Tools





Digital Experience for SAP Fiori: SAP Work Zone & SAP Fiori launchpad





How can business users easily access relevant applications and services to get their job done more efficiently?



Consistency through harmonized user experience | UX integration via a central point of access









Todos (5 tasks)



Join next Meeting

Already in progress (4 min)

CEP Engineering Sprint - Show & Tell 1 06:00 pm - 07:00 pm



Michael Redford + 21

Details

Join





My Interests

Your IT Top 7 Products

7 of 20

These are the top sellers this month

Comfort Easy

Delivery Tomorrow, 32 GB Digital Assistant with high-...

ITelO Vault

Only 3 items left, Digital Organizer with State-of-the-...

Notebook Professional 15

Your Device, Notebook Professional 15 with 2,80 GH...

Ergo Screen E-I

Delivery Tomorrow, Optimum Hi-Resolution max. 192...

Mac Book Air 13.3"

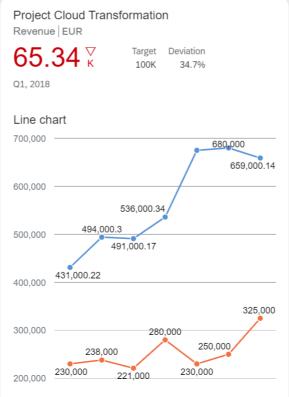
Notebook mit 13,3 Zoll Display, 8 GB RAM, 256 GB ...

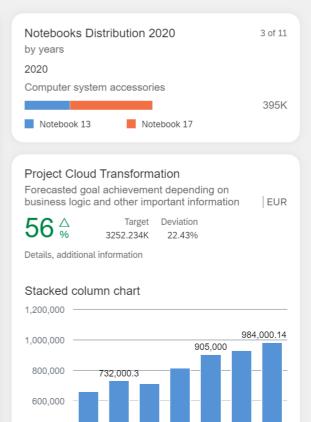
Laser Professional Eco

Out of Stock, Print 2400 dpi image quality color docu...

ACER Nitro 5 (AN515-55-7079)

Gaming Notebook, 15,6 Zoll Display, Core i7 Prozes...





Entry points for users

Federation layer:

Get relevant content across all SAP Solutions

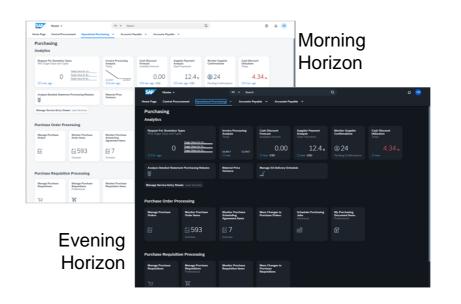
new My Home in SAP S/4HANA Cloud

SAP solutions layer:

Get relevant content across one SAP Solution

Horizon supported today by:

SAP Launchpad service SAP Work Zone SAP Mobile Start New My Home in SAP S/4HANA Cloud 2208



SAP

S/4HANA

Cloud

SAP Launchpad service

SAP

S/4HANA



SAP Mobile Start

Morning Horizon Evening Horizon

SAP Mobile Start

SAP BTP

Other

SAP

Products

SAP Work Zone

SAP

Success

Factors

Central Access to SAP

Blog post: Learn about the Key Components of SAP Work Zone and the Experience for the End User

22

Key pillars of investment for central access

- Grow product scope:
 - ✓ Enterprise readiness (performance, security, high availability, etc.)
 - ✓ Functional enhancements
 - ✓ Pre-packaged business content
 - ✓ Integration with SAP Low-Code/No-Code apps
 - ✓ **Continuous innovation** (e.g. content recommendations)
- Unified user experience and mobile experience
- All Launchpad capabilities available with SAP Work Zone (i.e. 'standard' and 'premium' offering)
- Simple and seamless upgrade from SAP Launchpad service to SAP Work Zone



SAP Work Zone



SAP Launchpad service

This is the current state of planning and may be changed by SAP at any time without notice.

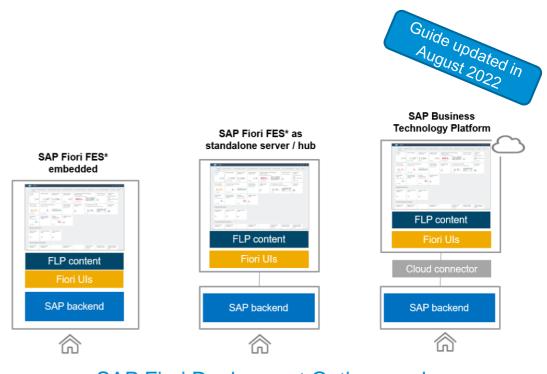
Excursus: SAP Fiori deployment options and recommendations

On-premise

- Launchpad as part of SAP Fiori front-end server
- SAP S/4HANA with embedded SAP Fiori experience for standard applications
- SAP Business Suite: SAP Fiori front-end server as hub for multiple back-end systems possible

Cloud

- Launchpad based on SAP BTP
- SAP BTP tools to develop and extend apps
- Central launchpad to integrate applications from cloud and on-premise



SAP Fiori Deployment Options and System Landscape Recommendations

Entry points to SAP Fiori

My Home in SAP S/4HANA Cloud (video)

SAP Fiori Deployment Options and System Landscape Recommendations



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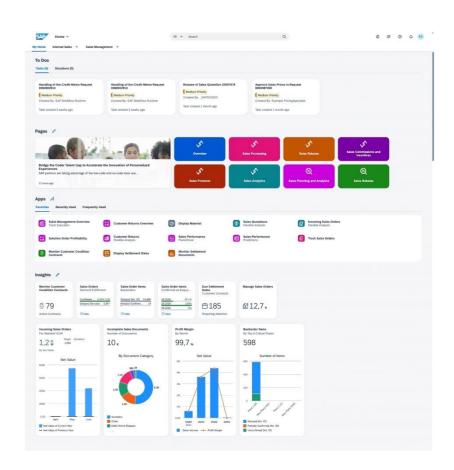
The Strategic UI Technology of SAP Fiori: SAPUI5



Building Modern Web Applications with SAPUI5

SAPUI5 is an HTML5 framework for creating cross-platform, enterprise-grade applications

- **Consistent UX**: SAPUI5 enables the SAP Fiori design evolution across SAP solutions (and beyond).
- Use anywhere: SAPUI5 allows a single, responsive app implementation for all browsers, platforms, and devices.
- Hundreds of enterprise UI elements to build professional UIs. UI5 Web Components extend UI5 to all web technology stacks.
- Powerful extension options: You can adapt SAP standard apps and customize UIs without coding.
- Flexible tools for any developer: SAPUI5 comes with tools to efficiently build, test, and deploy apps. Both in pro-code as well as low-code ways.
- Innovations: SAPUI5 brings a separation of apps and framework to centrally innovate while staying upgrade-compatible.
- Open-Source: SAPUI5 qualities available as OpenUI5.

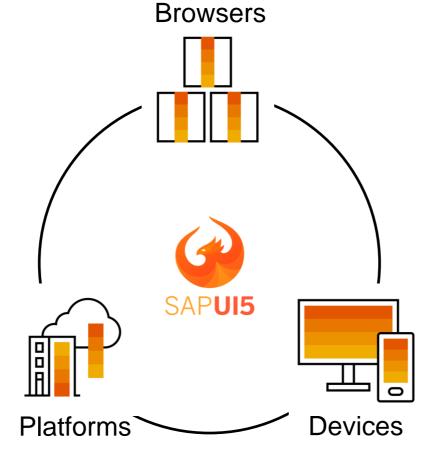


Video: What is SAPUI5?

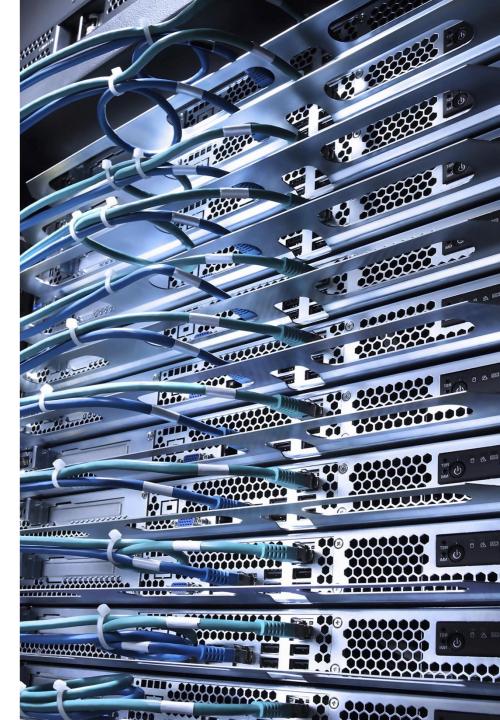
SAPUI5 applications

A single app implementation for all

- Browsers
- Platforms
- Devices

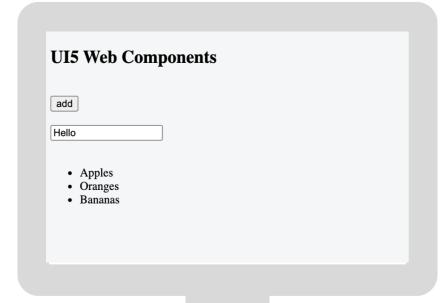


SAPUI5 Browser and Platform Support

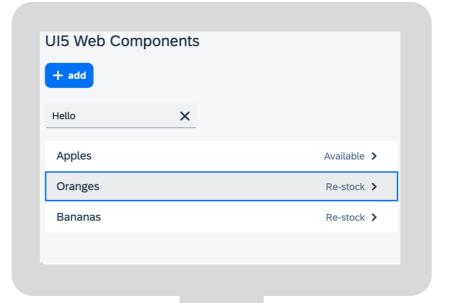


UI5 Web Components provide reusable UI components

```
<body class="sapUiBody">
        <h2>UI5 Web Components</h2>
29
30
31
        <button>add</ui5-button><br>
32
        <input placeholder="Hello"></input>
33
        ul>
           Apples
34
           0ranges
35
           Bananas
36
37
        </body>
```







SAPUI5

What is SAPUI5?

SAPUI5 Demo Kit (https://ui5.sap.com)



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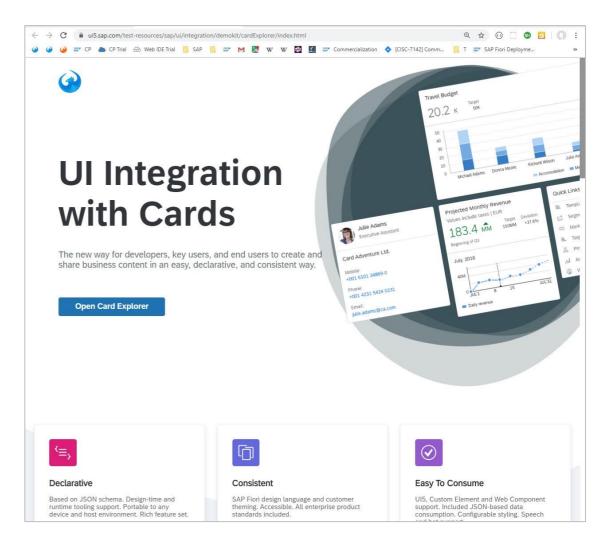
SAPUI5

Integration cards expose application content in a consistent and unified way

UI integration with cards allows users to:

- Embed cards in different host environments, such as applications, dashboards, or HTML pages
- Use a variety of available card types
- Configure cards with a simple JSON configuration –
 No need to write code
- Create cards according to their needs, regardless of coding ability

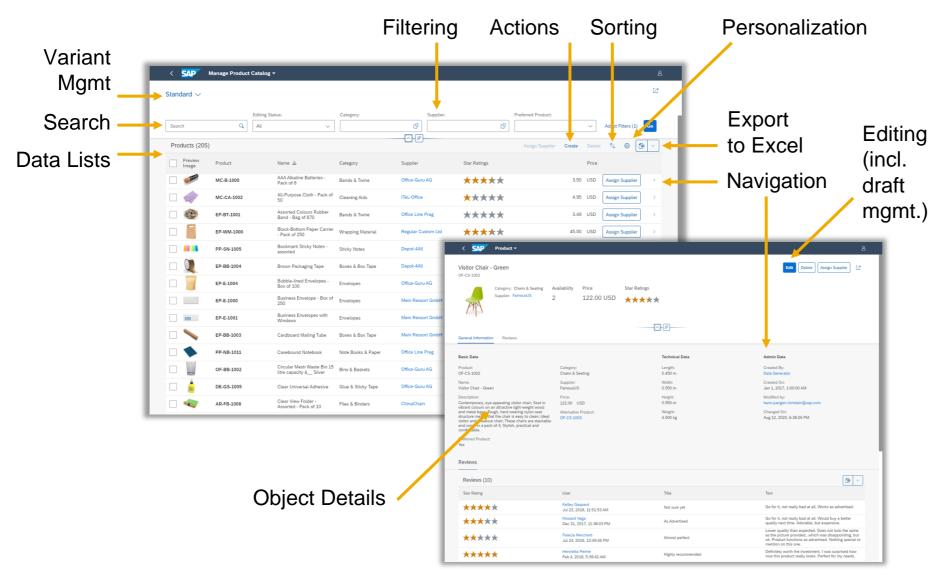
<u>Card explorer</u>: Learn, explore, and integrate cards



Efficiently Developing SAPUI5 apps: SAP Fiori elements



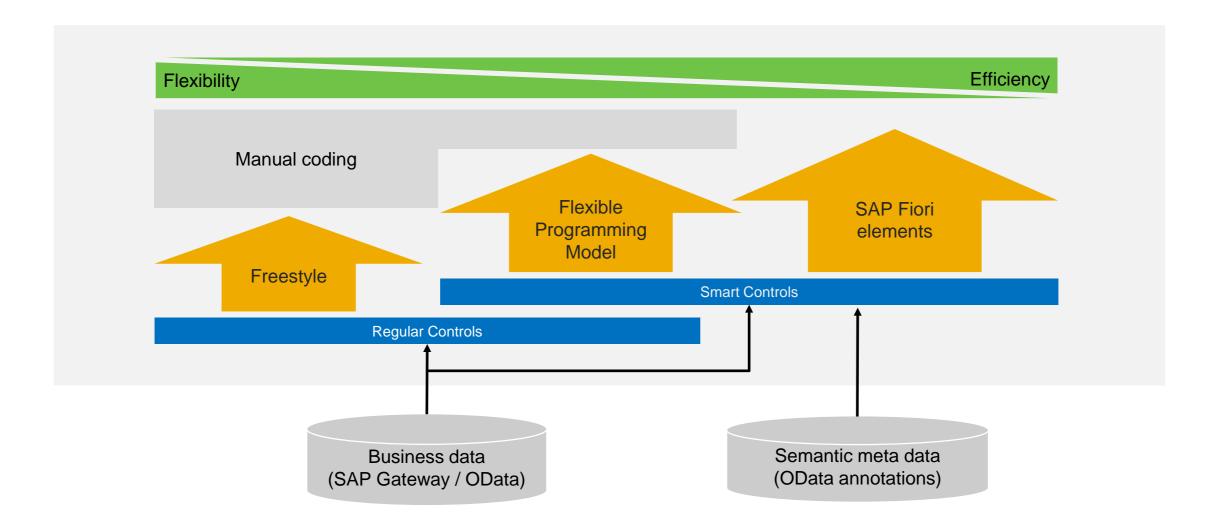
SAP Fiori elements provides enterprise-ready apps out of the box



Additional enterprise readiness features included are:

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

SAPUI5 freestyle vs. SAP Fiori elements approach



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



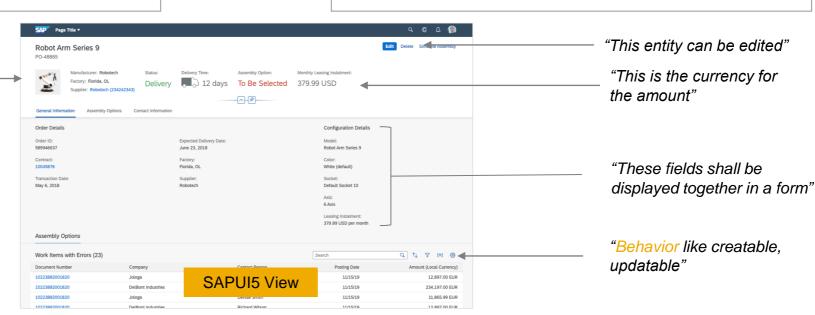
What is displayed?

- Semantic metadata / annotation
- Behavior
- Consumption hints



Which fields allow a human to identify the entity?

Which fields are clickable?



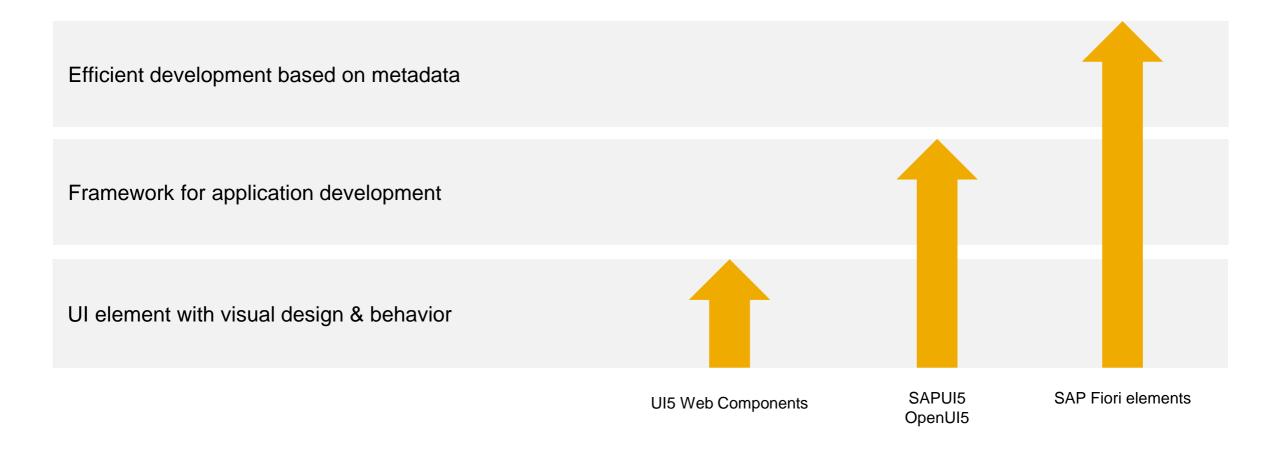
Provided by:

Application Developers

Choose the right UI development approach for your SAPUI5 app

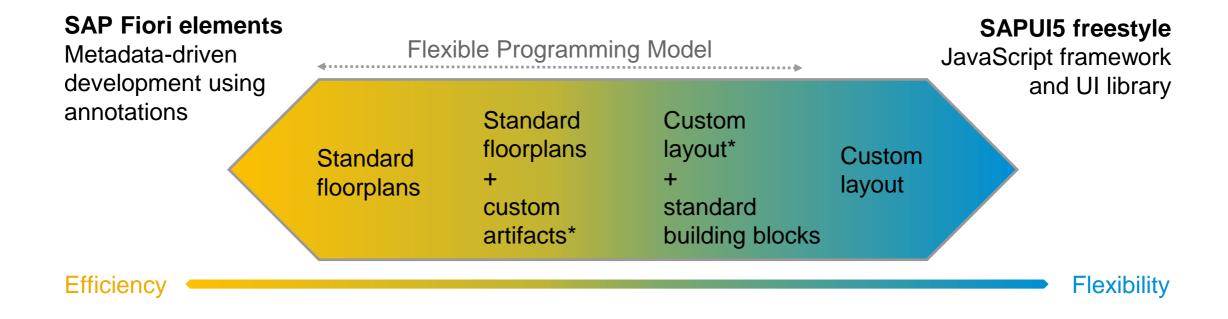
Freestyle SAPUI5		SAP Fiori elements
Flexibility	Overall approach	Efficiency
Freestyle designs	Design requirements	SAP templates
Web Development	Development knowledge	Annotations
Own coding, own UI logic	App ownership / maintenance	Own annotations, SAP's UI logic
Higher	Total cost of development	Lower

SAPUI5 brings scalability and flexibility to SAP Fiori app development



Flexible Programming Model blends SAP Fiori elements and SAPUI5 freestyle

Developers have a continuum of options instead of an either/or decision



How to use SAP Fiori elements, SAPUI5 freestyle or a mix of both with the Flexible Programming Model

^{*}leveraging standard building blocks and/or SAPUI5 controls / custom code

Knowledge

SAP Launchpad service

- Getting started using <u>free tier</u>, personal trial, or regular enterprise account
- Try out the <u>tutorials</u>
- Read the <u>blog posts</u>
- Check the documentation for details

SAP Work Zone

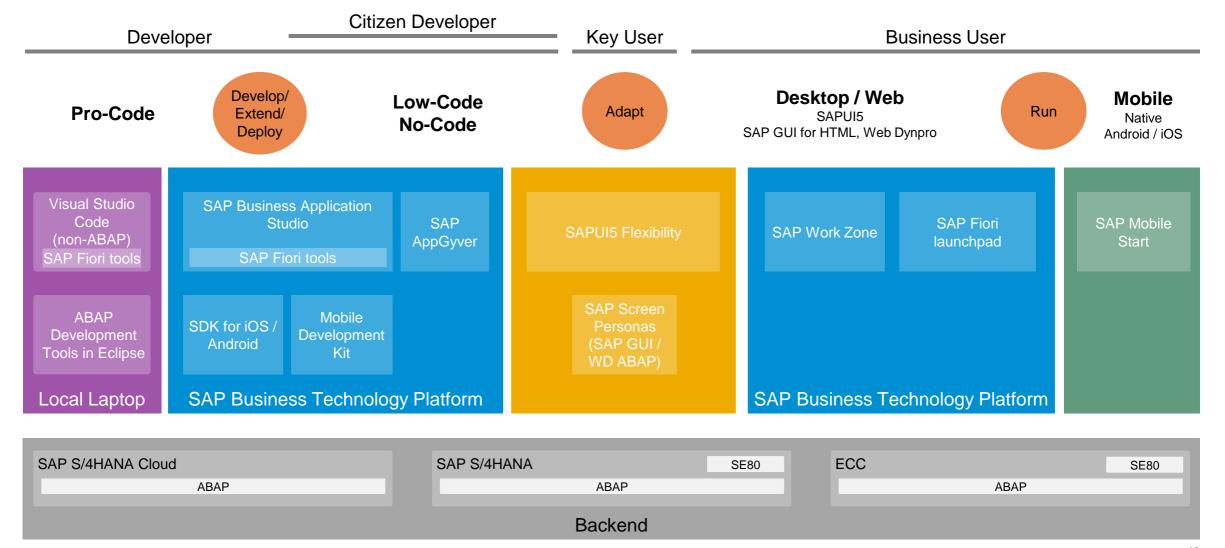
- Product page: <u>SAP Work Zone</u>
- Read the blog posts
- Check the <u>documentation</u> for details

SAPUI5

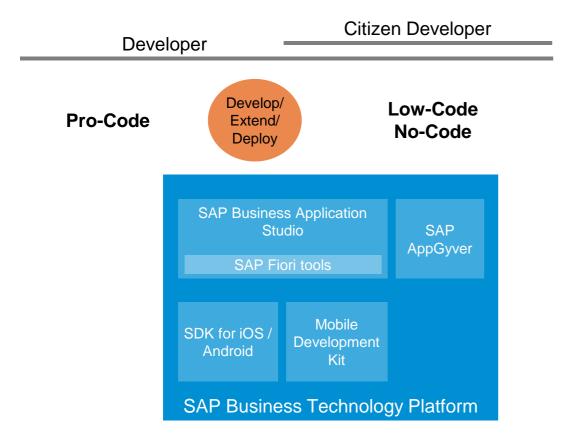
- https://ui5.sap.com/ with getting started, tutorials,...
- SAPUI5 Community Topic Page
- SAP Fiori elements
- SAPUI5 Road Map
- Blog post: Learning SAPUI5 for Beginners
- openSAP: Developing Web Apps with SAPUI5
- openSAP: Evolved Web Apps with SAPUI5
- openSAP: Developing and Extending SAP Fiori Elements Apps

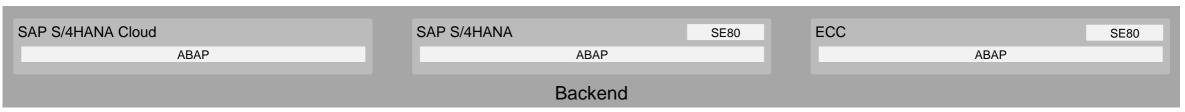


SAP Fiori User Experience Enabled by Technologies & Tools



SAP Fiori User Experience Enabled by Technologies & Tools





SAP's Development Environments: pro-code, low-code and no-code



Intelligent, sustainable enterprise

Industry-specific end-to-end processes

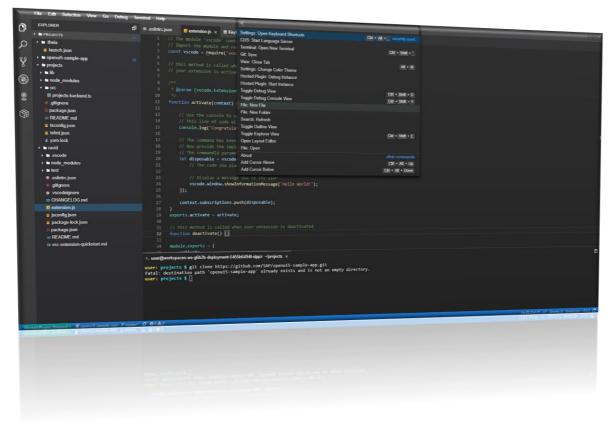
Enterprise resource management
Spend management
Human capital management
Customer relationship management

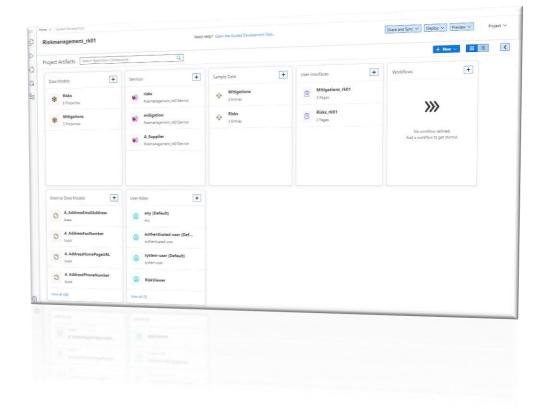
SAP BTP is the foundation of the Intelligent Sustainable Enterprise

Business Technology Platform Create personalized experiences **Build** faster with business context Run with confidence on a trusted, that instantly work with SAP applications to meet change with agility enterprise-grade platform **Automation** Integration **App Dev Data and Analytics** ΑI Optimize and Build and innovate Connect and simplify Give data purpose Infuse intelligence automate

SAP Business Application Studio on SAP BTP

A modern development environment, tailored for efficient development of business applications for the Intelligent Enterprise scenarios





SAP Business Application Studio - The Big Picture Browser based **Data Sources** access SAP BTP SAP Business Application Studio **Dev-Space** Internet / Cloud Additional Extensions **Dev-Space SAP Cloud Business Application** Workflow **Dev-Space** SAP Fiori Open VSX On-Premise Additional Extensions Development File System Custom Extensions (per scenario) environment SAPUI5 Layout Editor LSP ... and more Source Control SAP BTP SAP S/4HANA SAP BTP On-prem SAP HANA Cloud

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ABAP

Cloud

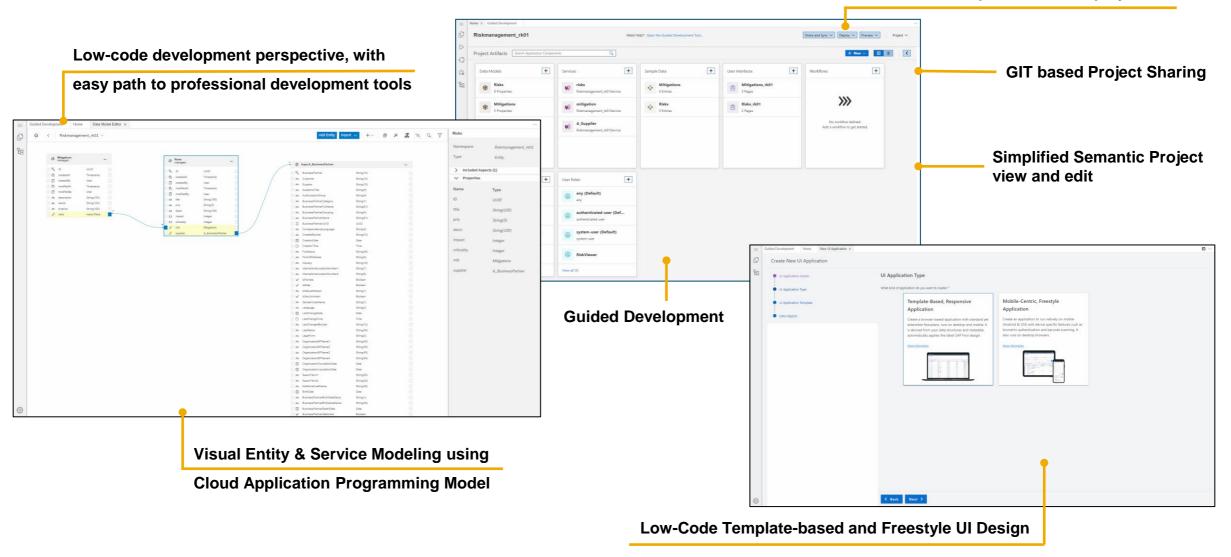
Cloud Foundry

ABAP

Key Capabilities of SAP Business Application Studio

Productive development environment for SAP centric development

One click preview and deployment



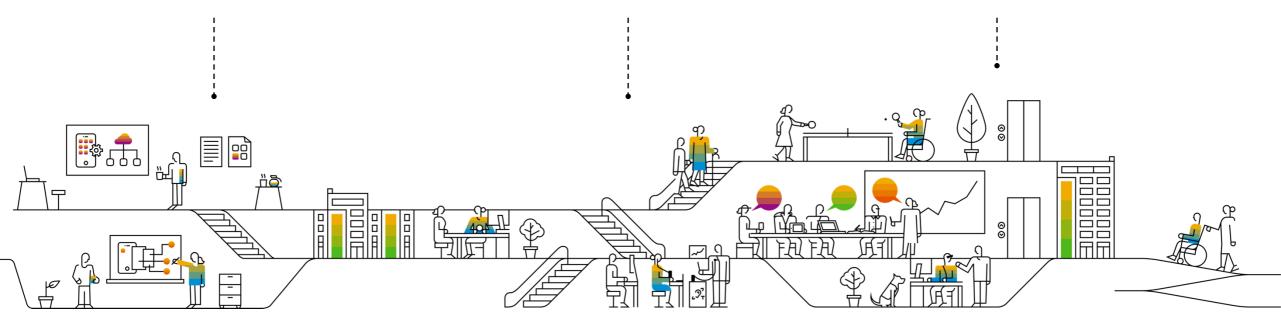
Roles

Pro developer is a person who has the ability and expertise to create, maintain as well as upgrade software created for commercial purposes through writing lines of code

Citizen developer is a user who creates new business applications for consumption by others using development and runtime environments sanctioned by corporate IT

New Role

Administrator is a person who has the rights to manage the lifecycle of the applications, grant access, etc.



How Can You Meet the Growing Application Need?

Scale Development by Empowering More Employees to Build Software

Professional developer

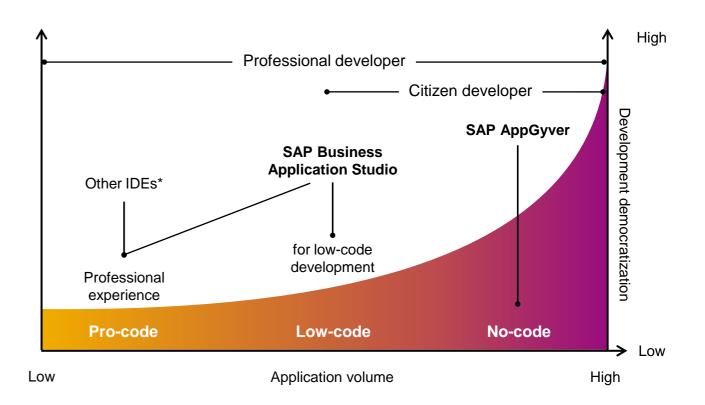


- Uses tools of choice to create cloud native applications and reusable services
- Designs, develops, deploys, tests, and hands over to production
- Understands the concept of a development lifecycle, testing, and versioning
- Ensures governance and security

Citizen developer



- Creates and publishes low-code/no-code apps and customizations with close links to business contexts
- Is unaware of testing, go-live, versioning, and termination but learns through citizen development education
- Ensures governance and security through ITsanctioned tools and platform-supported processes



i.e. VS Code + extensions

SAP Business Application Studio

SAP BTP Free-Tier / SAP BTP Trial -> SAP Business Application Studio

- 1. Tutorial: <u>Build an SAP Fiori App consuming Data from On-Premise</u>
- 2. Tutorial: Create a List Report Object Page App with SAP Fiori Tools
- 3. Tutorial: <u>Develop Full-Stack App Using Low-Code Capabilities of BAS</u>

More missions / tutorials: <u>SAP Discovery Center</u> / <u>Developer tutorials</u>



Source: https://en.wikipedia.org/wiki/Marvin the Paranoid Android

Boost Development Agility and Unleash Innovation

A Unified Developer Experience from No-Code to Pro-Code

SAP Business Application Studio Oliola for Low-Code Development Oliola



Template-based Fiori apps, applications extensions, and backend services for SAP opinionated technology (e.g., CAP, UI5)	What type of applications can I create?	Front-end apps with custom functionality & design for stand-alone apps & LoB side-by-side extensions
SAP Integrations using APIs/events, cloud application programming (CAP), Fiori elements, mobile services	How to integrate to other SAP solutions?	Integrate with REST APIs and OData
Low-code capabilities that can be expanded with pro-code tools	How to create apps and extensions?	Everything done with no-code tools
Multiplatform deployment	Where can I deploy to?	Multiplatform deployment, app stores, and web
Professional and advanced citizen developer with low-code, easily dive into pro-code	Who can create apps?	Citizen and professional developer with no- code

SAP Fiori tools guides developers through the full cycle

Application Generator

Creates the project environment for development



Available in SAP Business Application Studio

and Visual Studio Code

Page Map & Editor

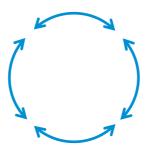
Allows editing of the structure of the app: pages, properties, and navigation



Service Modeler

Visualizes service entities, relations, properties, and annotations





Guided Development

Provides step-by-step development instructions and generates code snippets in-line



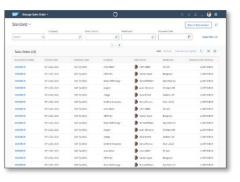
Code Completion

Delivers a language server protocol for annotations with microsnippets and diagnostics



Application Preview

Provides preview of web app in the browser either with mock data or live data



SAP Business Application Studio

Homepage: SAP Business Application Studio

Introduction Video

Learn More!

Central Info Blog

SAP Fiori tools

Homepage Low-code application development

Low-Code/No-Code Development Tools

Learning Journey: Low-Code / No-Code Applications and Automations for Citizen Developers

Blog post: SAP Gateway Demo System ES5

Contact information: SAPBusinessApplicationStudio@sap.com

Migration: Neo / SAP Web IDE -> Cloud Foundry / BAS

Migrating Fiori Application from SAP Web IDE to SAP Business Application Studio (ABAP)

Migrating SAP Fiori Applications from Neo to Cloud Foundry Using SAP Business Application Studio

Migrating from the Neo Environment to the Multi-Cloud Foundation (Cloud Foundry and Kyma)

Migrating Your CAP Applications from SAP Web IDE to SAP Business Application Studio

• SAP Fiori tools 2108 release simplifies integrating libraries and migrating Web IDE apps

It's time to plan your move to SAP Business Application Studio

Migrate SAP Fiori projects from SAP Web IDE to SAP Business Application Studio

Get started today

Meet your organization's requirements as fast as your business needs.

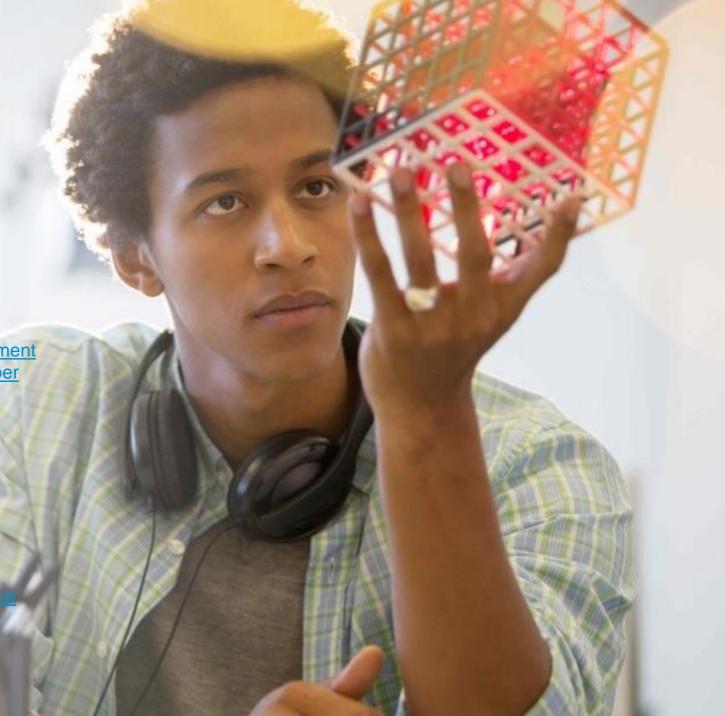
Build applications and extend SAP systems faster than ever before. To learn more, click the links below.

Test and Evaluation

- SAP Business Application Studio is available for test and evaluation on <u>SAP BTP Free-Tier / SAP BTP Trial environment</u>
- Find available missions in <u>SAP Discovery Center</u> / <u>developer</u> <u>tutorials</u>

Partner & Customer Licenses

- Available in consumption and subscription based pricing
- Join <u>SAP Business Application Studio Community</u>
- SAP's low-code/no-code homepage
- Explore SAP Business Application Studio on <u>Partner Ports</u>
- SAP AppGyver Learning Journey

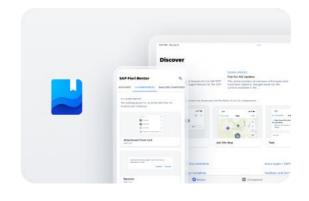


SAP Fiori for Mobile - Native mobile experience for iOS and Android



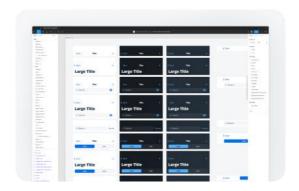
Design Guidelines

Android iOS



SAP Fiori Mentor App for iOS and Android

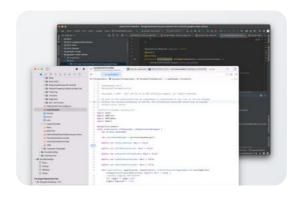
Android & iOS



Design Stencil Kits

iOS

Android



Software Development Kits

Android iOS MDK

SAP Mobile Services

Native App Development – SAP BTP SDK for Android



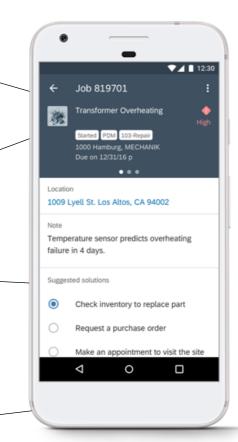
Benefits

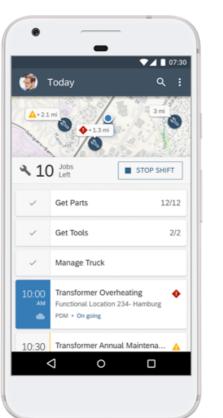
Empower designers and developers with tools to **quickly and efficiently** build Android apps for the enterprise

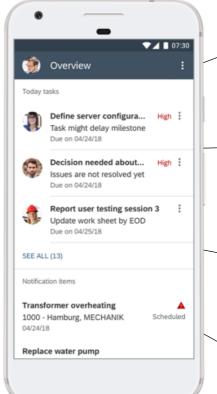
> Enable apps with native Android look and feel **high performance**

Accelerate development with APIs for enterprise communications, security, encryption & onboarding

Innovate by taking advantage of rich **Android device features** like Fingerprint Scanner, location services and notifications







Capabilities

SDK for Android accelerates enterprise app development in Android Studio IDE

Rich set of UI controls, implementing SAP Fiori for Android design language

SDK **Wizard** automatically **generates** fully running app scaffolding by reading metadata from backend enterprise APIs

SAP Fiori Mentor for Android

SAP Mobile Services

Native App Development – SAP BTP SDK for iOS



Benefits

Empower designers and developers with tools to **quickly and efficiently** build iOS apps for the enterprise

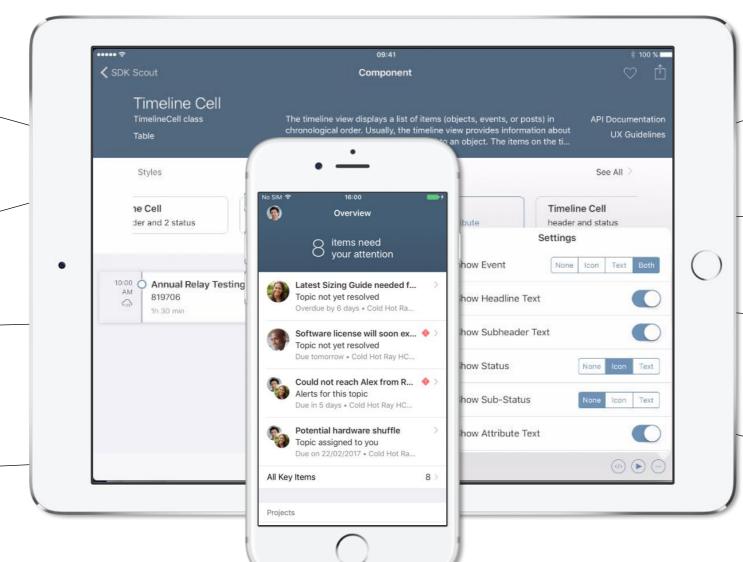
Enable apps with native iOS look and feel **high performance**

Accelerate development with UI controls.

frameworks and tools

and notifications

Innovate by taking advantage of rich **iOS device features** like ARKit, CoreML, location services



Capabilities

Swift-based SDK for iOS incl. UI controls, frameworks for data access, security, supportability

SAP Fiori for iOS design language

SDK Assistant automatically **generates** fully running app scaffolding by reading metadata from backend enterprise APIs

SAP Fiori Mentor app generates customized UI code snippets for Fiori controls

SAP Mobile Services

Mobile Development Kit



Benefits

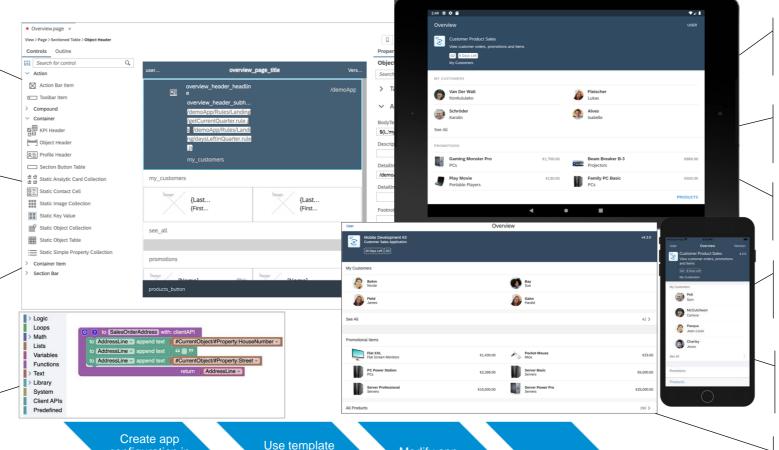
Build, customize, and administer native mobile applications in a highly productive, metadata-driven model

Reduce app development costs and increase productivity with a simple, low-code tool

Customize selected prebuilt SAP apps (SAP Asset Manager, etc.) to your business needs

Relieve maintenance burden with easy lifecycle management

Easily manage **security** across apps



Capabilities

Visual development of pages, data queries, and business logic

Robust offline and online support

Native SAP Fiori user experience

Extend functionality with custom extension controls

Cross-platformdevelopment supports iOS
and Android

Web- Deployment

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to generate

first metadata

configuration in

Mobile

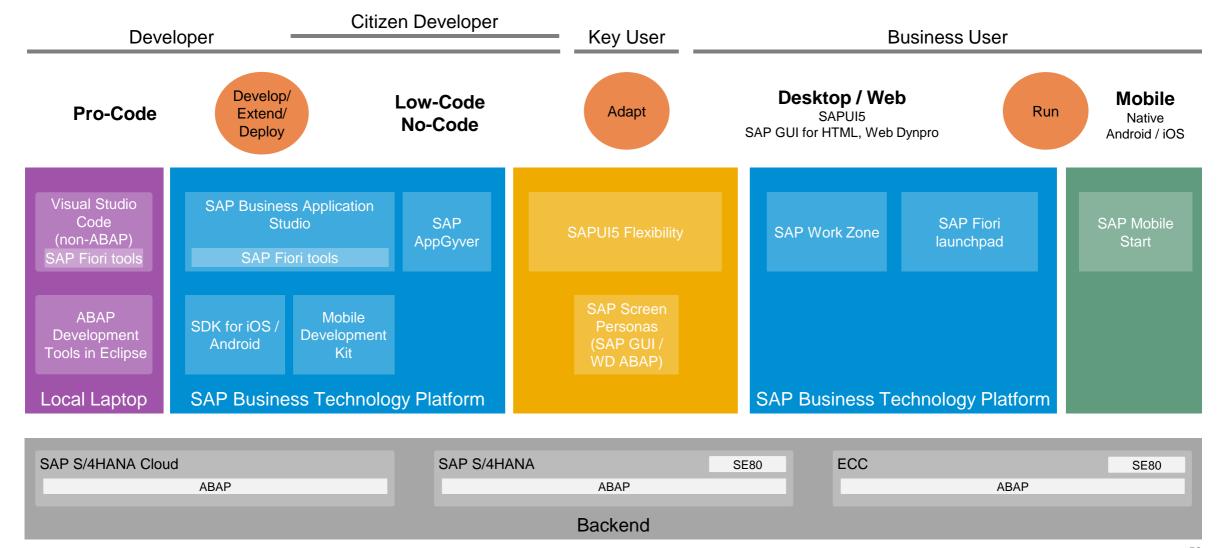
Services

Modify app

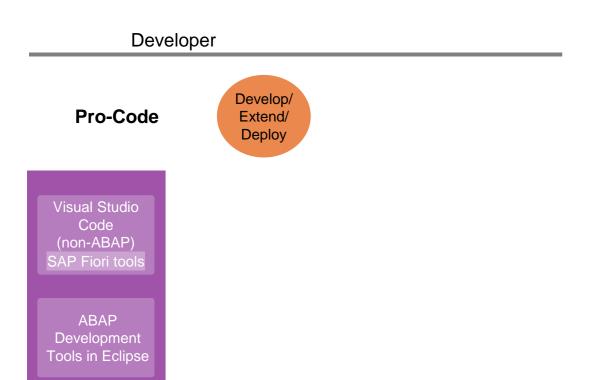
metadata

Deploy

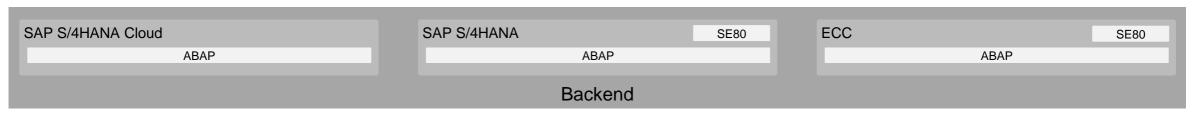
SAP Fiori User Experience Enabled by Technologies & Tools



SAP Fiori User Experience Enabled by Technologies & Tools



Local Laptop



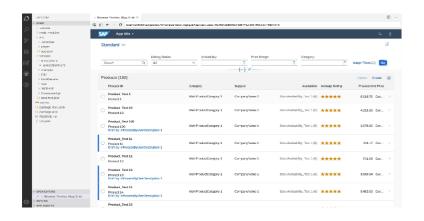
Local Development Environments: Visual Studio Code (VSCode) & ABAP Development Tools (ADT) / Eclipse



Visual Studio Code and SAP Business Application Studio

Visual Studio Code

- Provides development flexibility with offline capabilities
- Features a developer-controlled, highly configurable development environment
- Allows access to thousands of extensions from the Visual Studio Code marketplace
- Is part of a fast-growing open source community



SAP Business Application Studio

- Provides a managed, preconfigured, hosted environment, optimized for SAP application development (including client and server side extensions).
- Can be centrally administrated with tools repositories, systems access and company policies
- Integrates with existing SAP solutions, systems & services
- Easy access to Visual Studio Code-compatible extensions from VSCode



Efficient ABAP development in Eclipse®

HIGH DEVELOPER PRODUCTIVITY WITH THE ABAP DEVELOPMENT TOOLS (ADT)

MODERN DEVELOPMENT TOOLSET

Fully eclipse-based
Syntax check, Code completion
Syntax highlighting, Pretty printing
Navigation, Search, Quick Fixes
Available for ABAP releases ≥ 7.31

QUALITY ASSURANCE

Static code checks (ATC, CVA) with remote and local scenarios
Unit testing incl. isolation frameworks
Test seams and injections

SUPPORTABILITY

Debugging, profiling, tracing Static and dynamic logging Runtime monitoring and analysis

```
IPMD1 /DMO/I TRAVEL M × @ IPMD1 /DMO/BP TRAVEL M
 1@@AccessControl.authorizationCheck: #NOT_REQUIRED
 2 @EndUserText.label: 'Travel view - CDS data model
  4 define root view entity /DMO/I_Travel_M
      as select from /dmo/travel m as Travel -- the travel table is the data source for this view
      composition [0..*] of /DMO/I_Booking_M as _Booking
      association [0..1] to /DMO/I_Agency as _Agency on $projection.agency_id = _Agency.AgencyID
      association [0..1] to /DMO/I_Customer as _Customer on $projection.customer_id = _Customer.CustomerID
                                              as _Currency on $projection.currency_code = _Currency.Currency
      association [0..1] to I_Currency
      association [1..1] to /DMO/I_Overall_Status_VH as _OverallStatus on $projection.overall_status = _OverallStatus.OverallStatus
13
14
15 {
16
17
18
     key travel_id,
           agency_id,
          customer_id,
19
          begin date,
20
          end date,
          @Semantics.amount.currencvCode: 'currencv code
22
23
          booking_fee,
          @Semantics.amount.currencyCode: 'currency_code
24
25
26
27
28
29
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31
32
33
          total_price,
          currency_code,
          overall_status,
          description,
          @Semantics.user.createdBy: true
          created by,
          @Semantics.systemDateTime.createdAt: true
          created_at,
           @Semantics.user.lastChangedBy: true
          last_changed_by,
34<sup>®</sup>
35
36
37
          //local ETag field --> OData ETag
           @Semantics.systemDateTime.localInstanceLastChangedAt: true
          last_changed_at,
38
39
          /* Associations */
           Booking,
40
41
           _Agency,
           Customer
42
           Currency,
43
           OverallStatus
44 )
45
🗜 Problems 🔳 Properties 🗴 🚂 Transport Organizer 📮 Console 🚡 Templates 📓 Feed Reader 🍢 ABAP Unit 🚂 ABAP Coverage 🥻 ATC Problems 💠 abapGit Reposito
[PMD] /DMO/I TRAVEL M
 General
         Package
                          /DMO/FLIGHT MANAGED -> /DMO/FLIGHT -> /DMO/SAP
 Specific
```

Local Development Environments

Set Up SAP Fiori Tools in Your Visual Studio Code

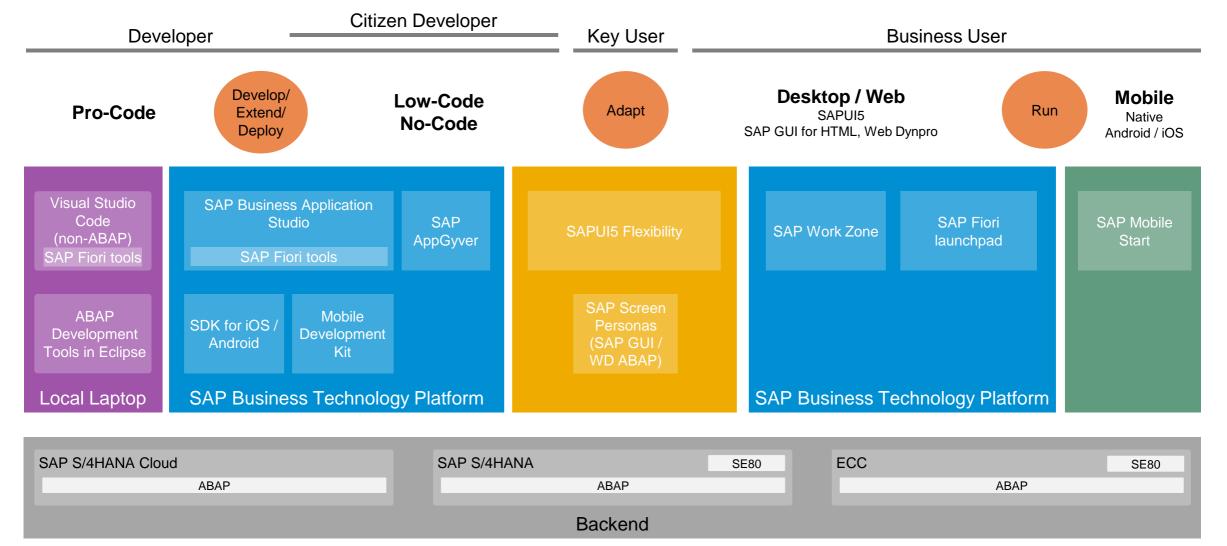
Install ABAP Development Tools (ADT) in Eclipse



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Source: https://en.wikipedia.org/wiki/Marvin_the_Paranoid_Android

SAP Fiori User Experience Enabled by Technologies & Tools



SE80

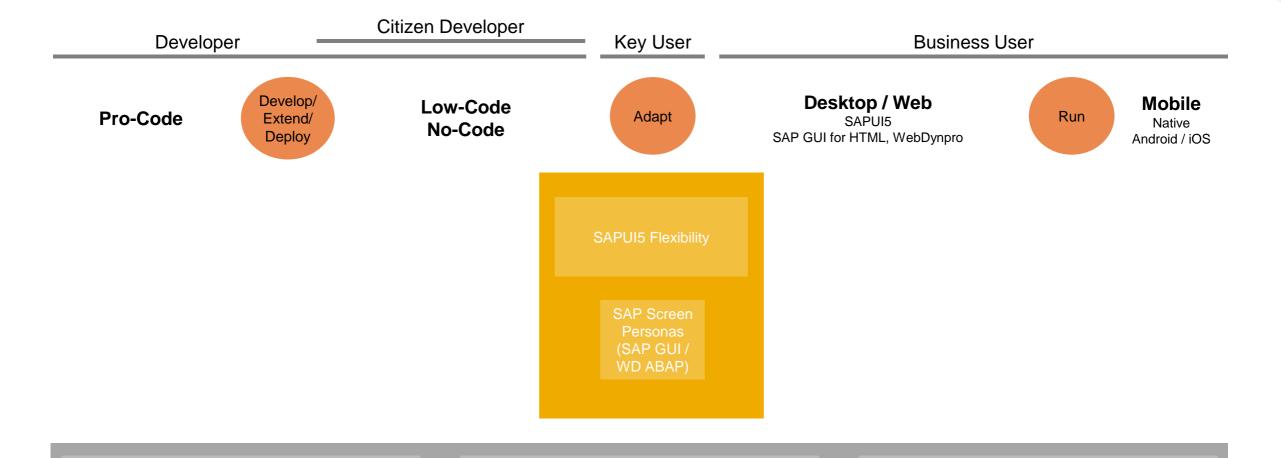
ABAP

SAP Fiori User Experience Enabled by Technologies & Tools

SAP S/4HANA

SAP S/4HANA Cloud

ABAP



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ABAP

ECC

SE80

Extending / Adapting SAP Standard Apps: SAPUI5 Flexibility & SAP Screen Personas

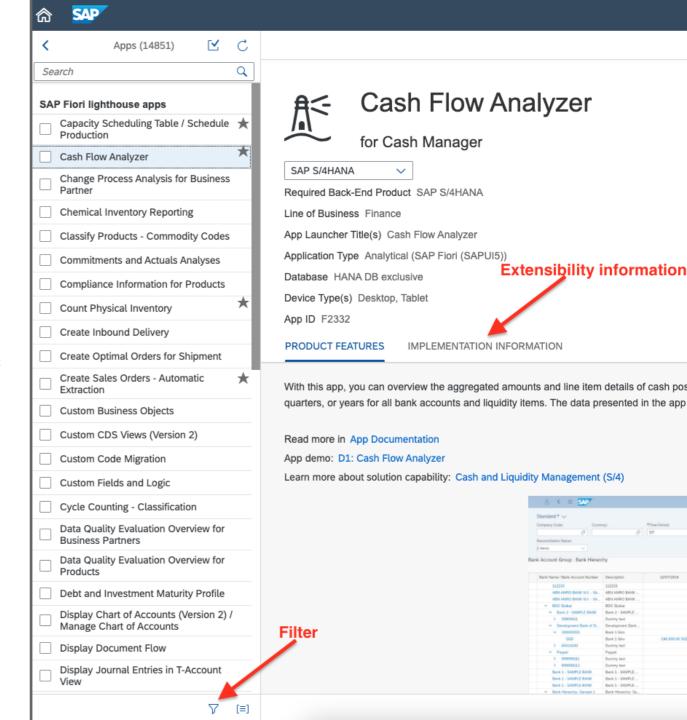


SAP Fiori Apps Reference Library

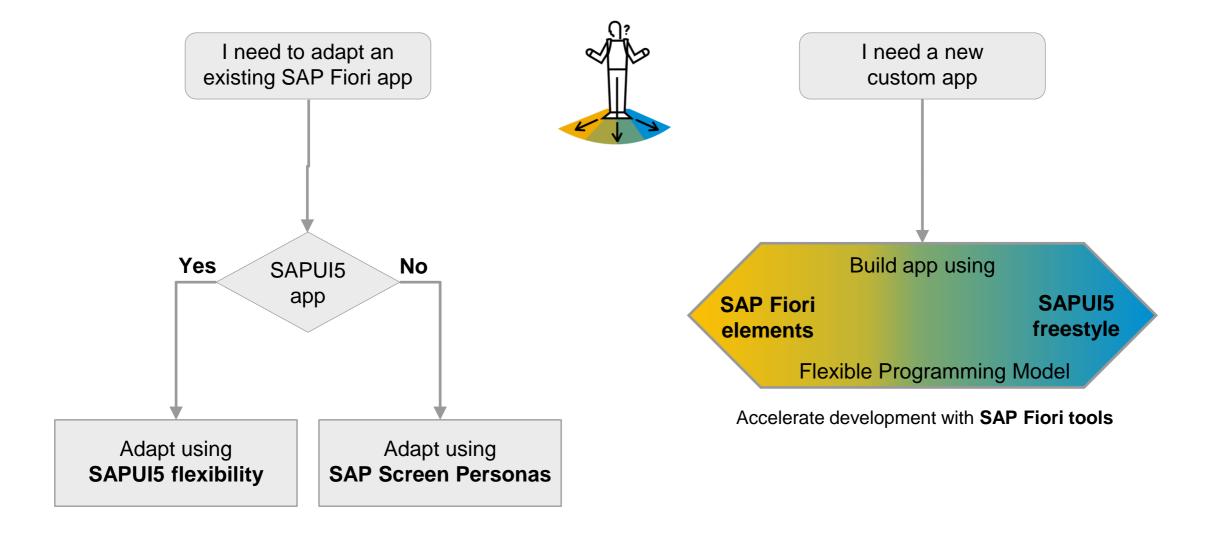
Library of all SAP content for the SAP Fiori launchpad. Explore, plan, and implement SAP Fiori apps as well as classic applications based on SAP GUI and WebDynpro.

- Overview of all SAP Fiori apps
- Information for each app, including technical data for installation and configuration
- Configuration information required to integrate classic SAP GUI and WebDynpro applications into the SAP Fiori launchpad
- Data for previous app versions
- Direct navigation to related resources, such as app documentation, Product Availability Matrix, and Maintenance Planner
- Recommendations for SAP Fiori apps for your needs

SAP Fiori Apps Reference Library



Choose the path to the SAP Fiori user experience based on your needs



Using SAPUI5 flexibility to deliver a tailored user experience

Adapt standard applications for your own use cases in a **cost-efficient** way

Benefit from **standard upgrades** while keeping extensions functional

Add extensions wherever needed compared to classical "extension points"

Explore **intuitive tooling** tailored for different personas

Developer



Key user



End user



Developer adaptation with SAPUI5 flexibility

Adaptation projects allow developers to create code-based extensions of standard applications.

Extension project in SAP Web IDE Adaptation project in SAP Business Application Studio

Leveraging SAPUI5 extension points, controller hooks	Leveraging SAPUI5 flexibility
Extend only in predefined extension point	Extend anywhere, no extension point needed
Does not support SAP Fiori elements applications	Supports SAP Fiori elements as well as SAPUI5 freestyle
Limited options (e.g. no extend of lifecycle methods)	Increased options
One layer only	Multiple layers: Customer -> Industry -> Core (planned)

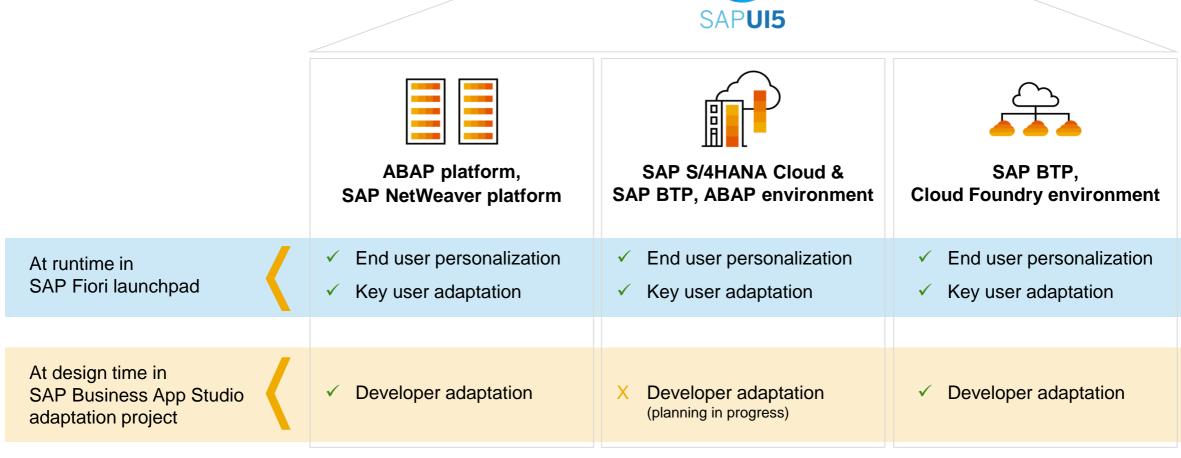
Migrate from SAP Web IDE to SAP Business Application Studio: Blog post & Mission

SAP is planning to enable the extension pane in BAS in on-prem scenarios for existing extension projects and for apps not enabled for adaptation projects.

SAPUI5 flexibility

Availability on different platforms





Extending SAP standard apps: SAPUI5 Flexibility & SAP Screen Personas

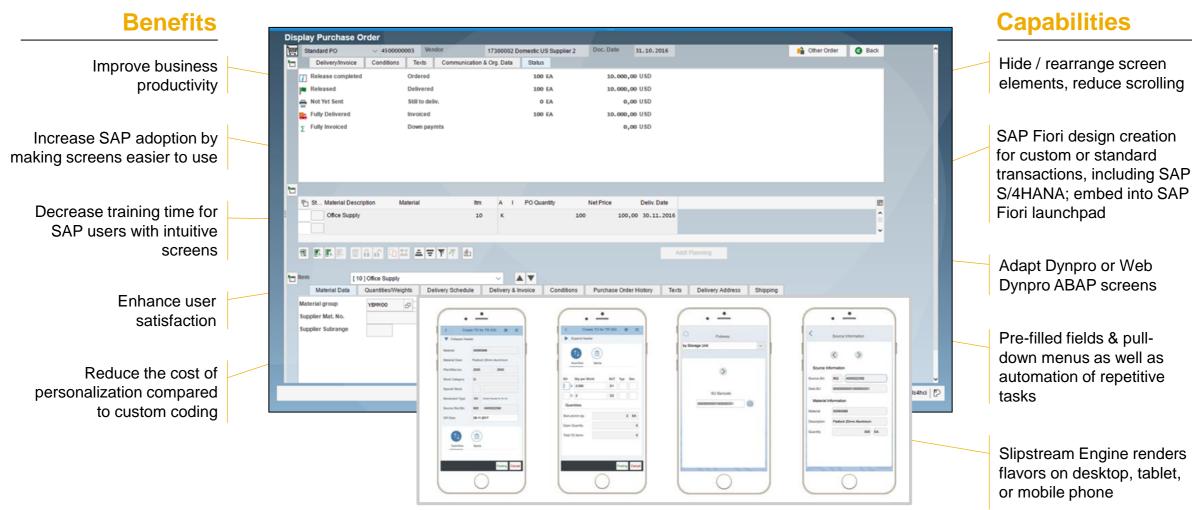
SAP Screen Personas - SAP Community topic page

SAPUI5 Flexibility - All You Need to Know

https://ui5.sap.com > Demo apps > SAPUI5 flexibility demo apps



SAP Screen Personas simplifies complex classic ERP screens



www.sapscreenpersonas.com

Extending / Adapting SAP standard apps

SAPUI5 Flexibility

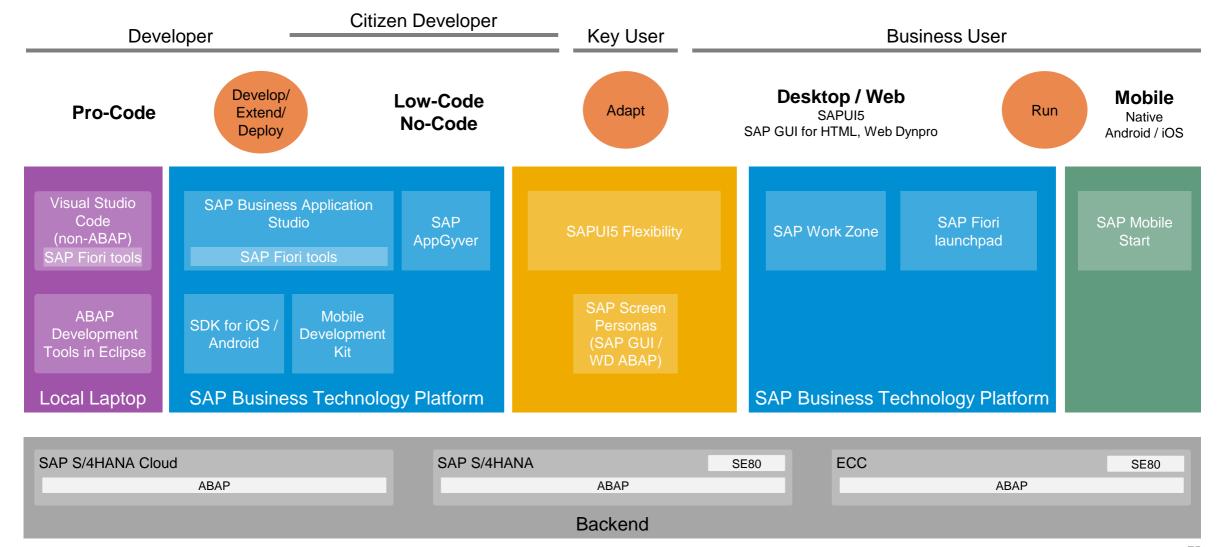
- SAPUI5 Flexibility All You Need to Know
- Blog post: Extending SAP-delivered SAP Fiori elements apps using adaptation projects
- Blog post: SAP Fiori Elements: Adaptation Project Adding a Custom Filter to the List Report

SAP Screen Personas

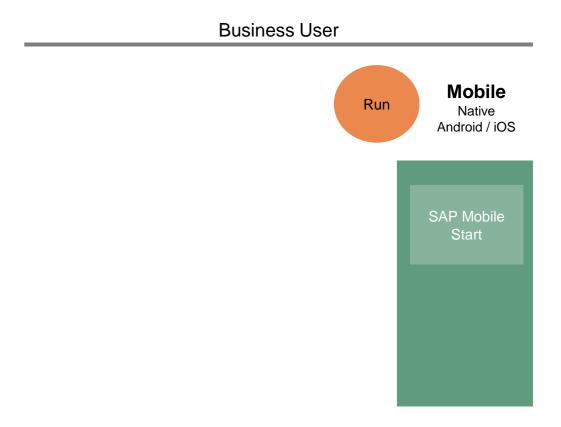
Tutorials: Get Started with SAP Screen Personas

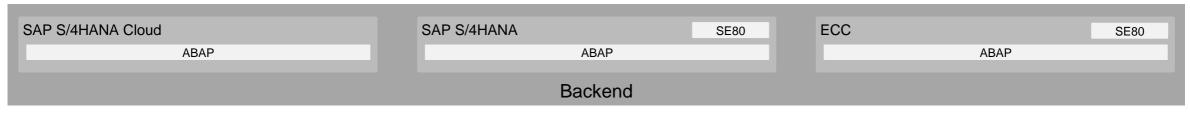


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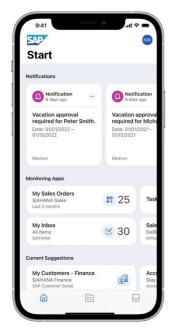
SAP Fiori User Experience Enabled by Technologies & Tools



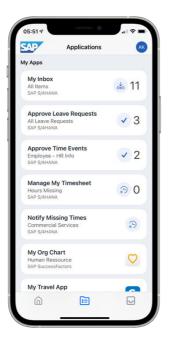


SAP Mobile Start

Your native entry point to the intelligent enterprise



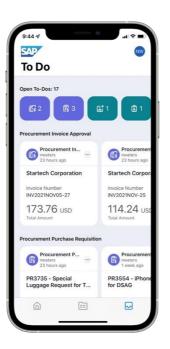
Start screen Latest notifications, & app suggestions



Applications

Native apps, Web responsive apps, Web links & News feeds

Road Map for 2023: Support for Situation Handling for SAP S/4HANA



ToDo screen Tasks and Notifications



Spotlight Search



Widgets



Single-sign on integration with

SAP S/4HANA SAP Fieldglass

SAP Ariba SAP Concur C.

SAP SuccessFactors

SAP Mobile Start for Android is available

SAP Mobile Start

<u>Video: SAP Mobile Start – Your native entry point to the Intelligent Enterprise</u>



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SAP Mobile Start

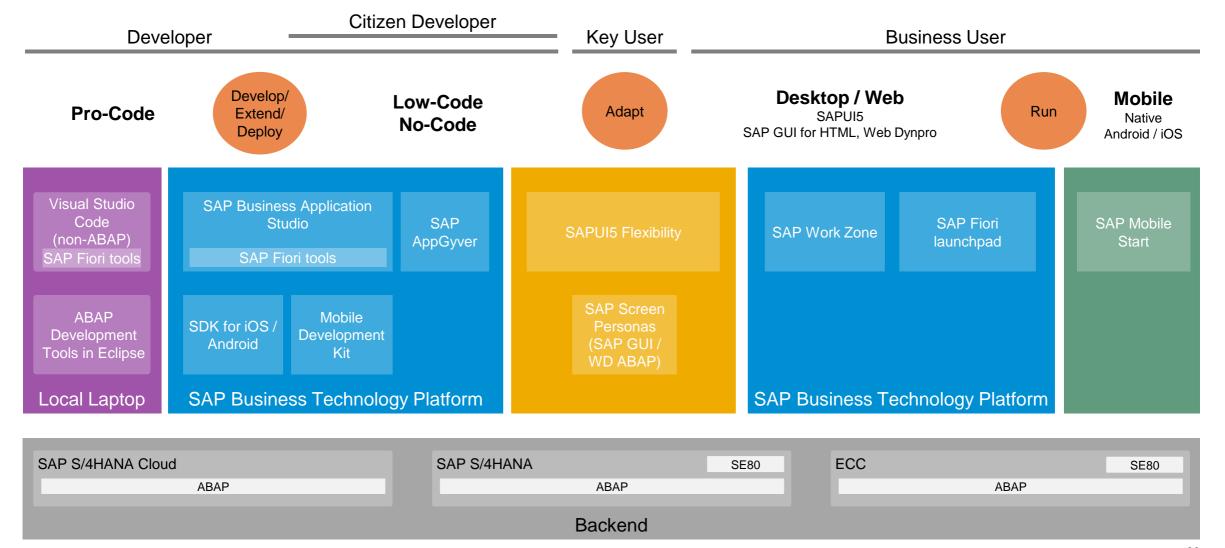
SAP Asset Manager is the best-in-class mobile application

Mobile Start

- News: Hello, SAP Mobile Start
- Blog post: SAP Mobile Start Try the new native entry point to the Intelligent enterprise
- Blog post: SAP Mobile Start the new native entry point to access applications & contents
- Blog post: SAP Task Center is now available in SAP Mobile Start
- Blog post: SAP Business Application Studio for low-code, deploying multichannel app to mobile



SAP Fiori User Experience Enabled by Technologies & Tools



Thank you.

... and don't panic!

Oliver Graeff
Director – Product Management, SAP



E-mail: oliver.graeff@sap.com

Twitter: <a>@OliverGraeff
LinkedIn: <a>olivergraeff

Please take this super short survey: https://www.menti.com/almz6usnqso4
Voting code **6628 2916**



Recording + Slides soon available here



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