

SAP tools to accelerate app development and improve the user experience

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Public



Agenda

What's next for SAP Fiori

- new Horizon visual theme for SAP Fiori
- new design culture and processes

SAP S/4HANA Cloud updates

- new product home page for SAP S/4HANA Cloud
- new personalization capabilities in SAP S/4HANA Cloud based on SAP Screen Personas

Application development accelerators

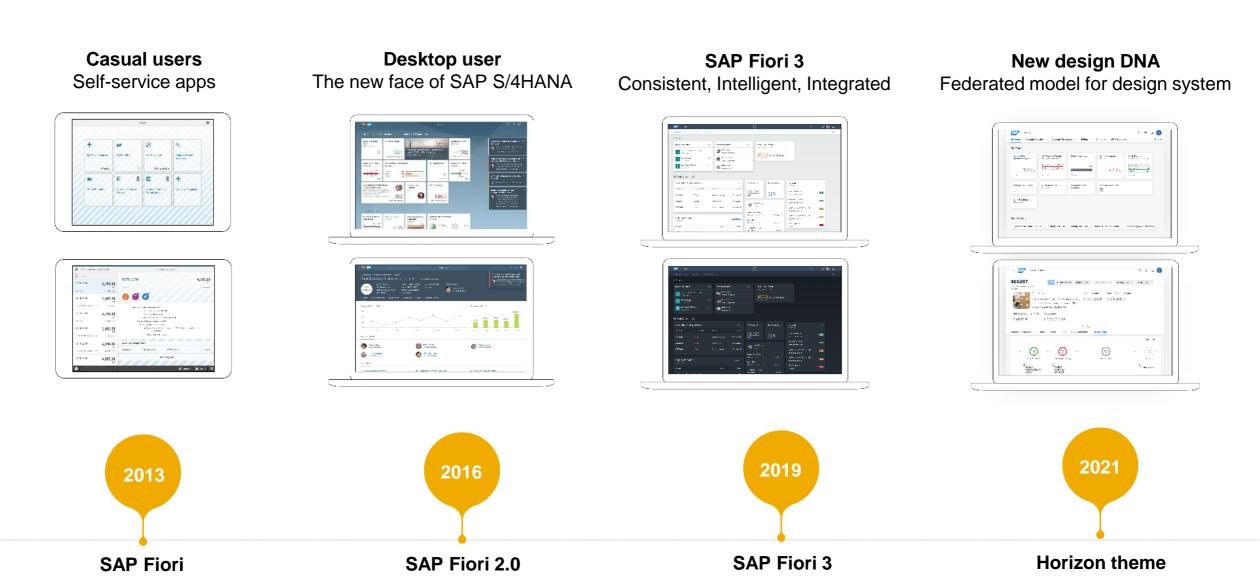
- new flexible programming model in SAP Fiori elements using OData V4
- enhanced low-code capabilities in SAP Fiori tools to accelerate app development

Where to learn more

What's next for SAP Fiori?



SAP Fiori continues to evolve



Why

To stay competitive and drive customer lifetime value for SAP, we must deliver **useful**, **accessible**, and **engaging** experiences that help every person to get their work done faster, more intuitively and with measurably better business outcomes than ever before.

How

We need to build products that are **user-centered** and **experience-driven**, so that we can maximize delight and productivity, which in turn will increase business value.

Putting users at the wheel

Our development approach will revolve around testing, listening to our customers, rigorous data collection, and iteration.

Radically change the way we design

We are building a design community across all our business units, embracing Open-Source methodology to allow everyone contribute.

Continuous Iterative Research drives the "Experience Mindset"

SAP Design Desirability & Usability Research

(Visual elements & coded UI Components)

- Web, Mobile, Design System & Language (Practices:)
- End-User testing (in-person & remote)
- Usability Test Center at Events
- Competitive Analysis
- Informing Creative Direction

SAP Design Inclusive Research

- Participatory Research
- Diverse Research Participant Community
- Inclusive Research Tool Kit

Horizon Theme In-Product Feedback

- Toggle to switch on Design
- In-app Qualtrics survey
- Internal/external data

SAP S/4HANA Application-Based Research + Beyond

Desirability & Usability testing

Complex use-cases

(Continuous Collaboration with LoB apps:)

- SAP Concur
- SAP Success Factors
- SAP Ariba
- + more



Accessibility: Inclusive Research with ALL Users



Continuously involving diverse perspectives in our research

- Growing a community of active test participants
- Evaluate for usability and usefulness needs



Walkthrough of basic task flows to uncover usability issues for participants expressing needs in areas such as neuro-diversity, lowvision or hearing, among others

Compile results and share actionable findings

Identify areas to further improve the user experience for **ALL** users

Insights inform design decisions

Iterate and test next UI designs

The pillars of our new design DNA

Informed by our extensive user research, this framework will allow our design and development teams to quickly prioritize and execute:

I. Aesthetics

Making each product more approachable, modern and delightful, ensuring all our products feel as if they come from one family.

II. Performance

Optimizing perceived performance, starting with our most-used interactions, flows, and applications.

III. Accessibility

Accessibility and inclusive design will be a core pillar of our design approach, ensuring that all people can do their best work using SAP services.

IV. Usability

Ensuring our applications feel more effortless and intuitive, so people get their work done faster, more easily, and with better outcomes.

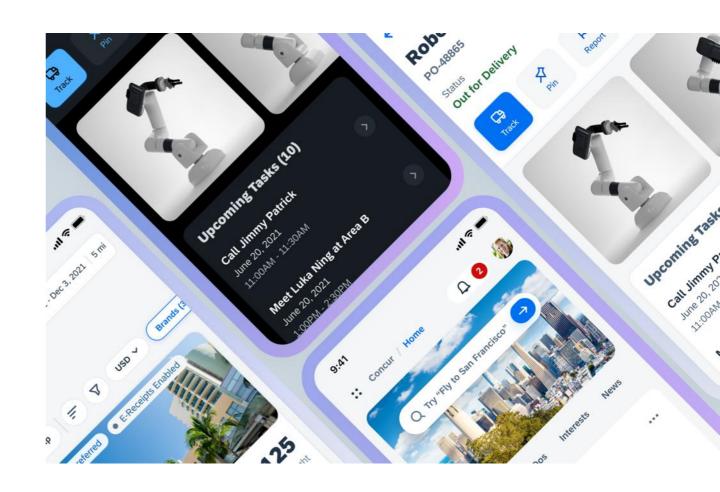
We're starting with Aesthetics—because first impressions matter

The Horizon theme defines a new look and feel for SAP. Horizon's defining principles inform our new "design DNA"

- Intentional & exceptional
- Seamless & cohesive
- Effortless & intuitive
- Bold yet friendly
- Inclusive & ethical

The new design language will allow us to scale that design across all products and LoBs

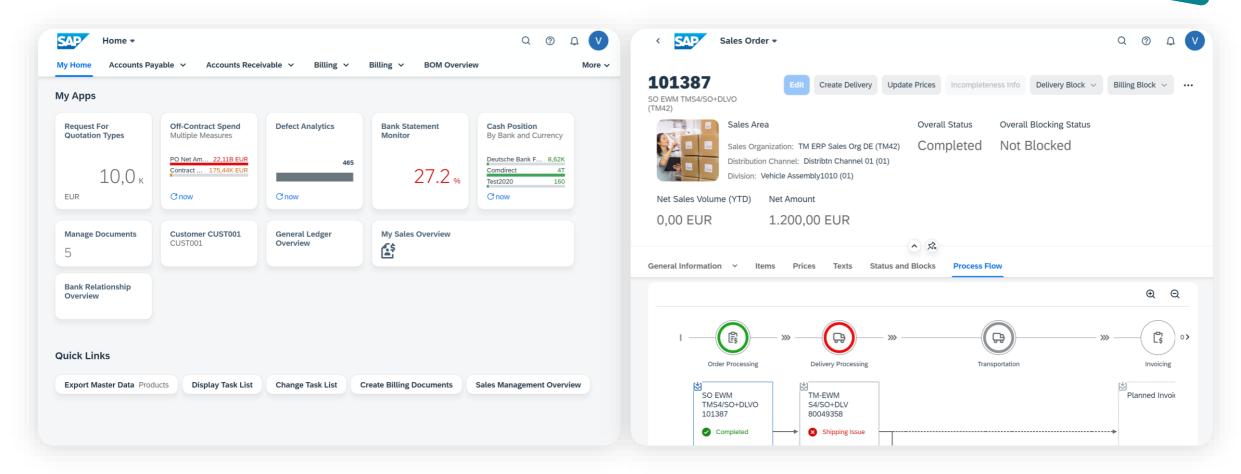
- Typography
- Iconography
- Imagery
- Color
- Sound
- Motion



SAP S/4HANA Cloud – Horizon (preview)

Launchpad and Object Page

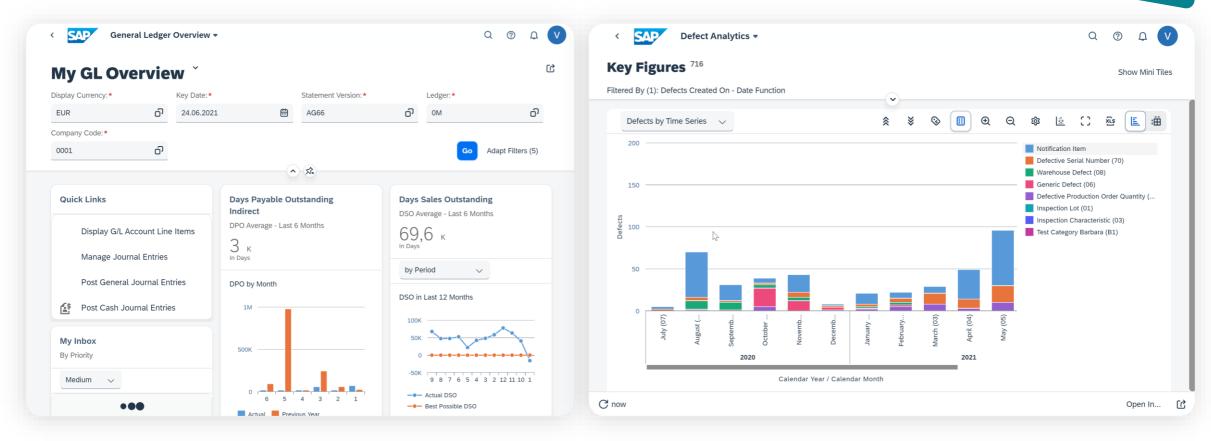




SAP S/4HANA Cloud – Horizon (preview)

Embedded analytics





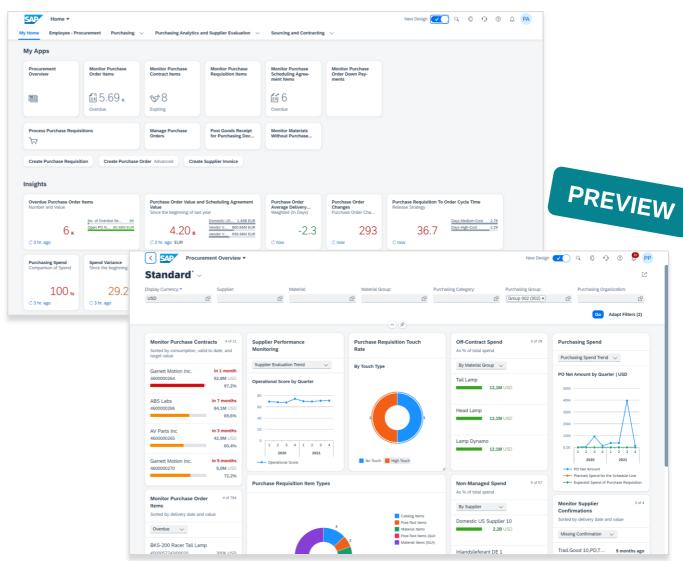
Horizon preview available today

SAP S/4HANA Cloud 2202 customers can opt-in to preview

- Give their users the choice to try out the new design, give feedback
 - directly in the system and/or
 - via 1:1 desirability study with SAP
- SAP Early Adopter Care registration page for Horizon preview

Developers can preview on SAP Business Technology Platform

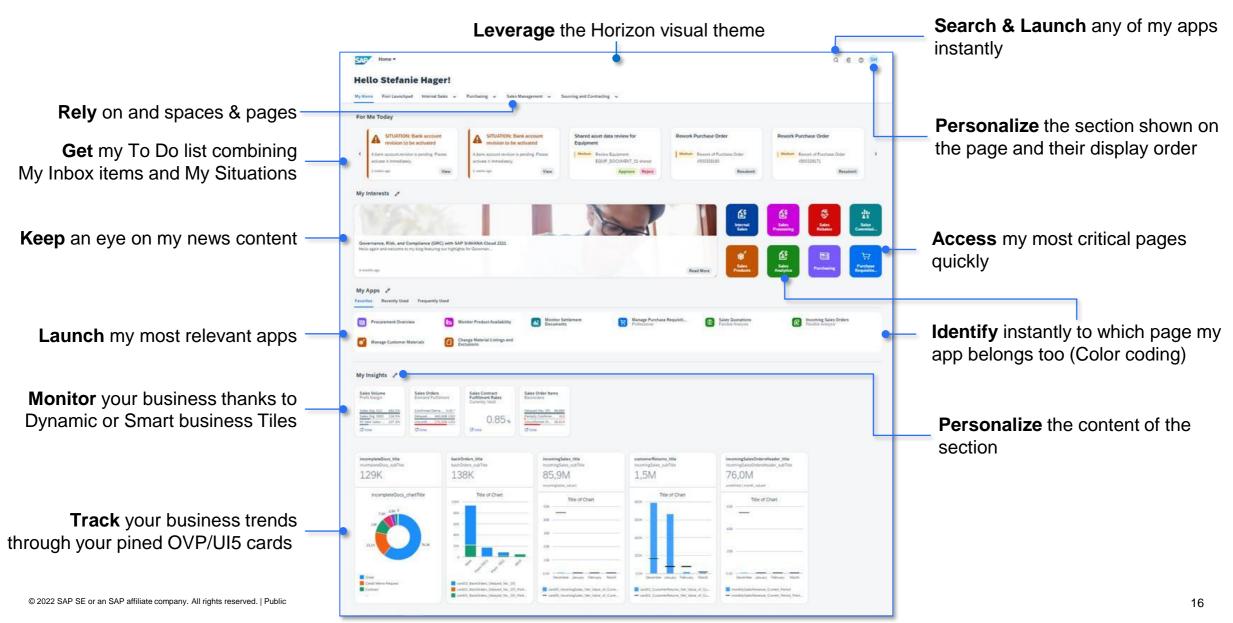
- With SAPUI5 1.93.3 and 1.96.0
- With UI5 Web Components 1.0.0
- Also available for <u>Fundamental NGX</u> and <u>Fundamental Styles</u>



Product homepage for SAP S/4HANA Cloud

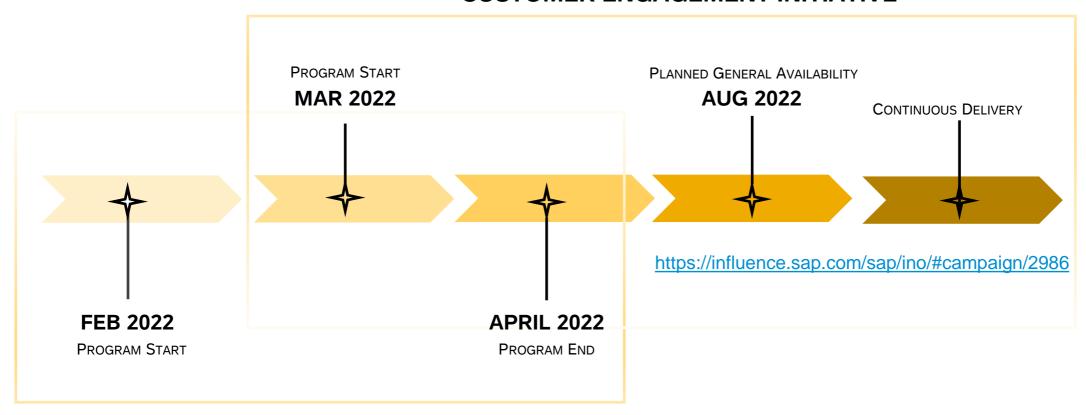


New product homepage for SAP S/4HANA Cloud makes users more efficient



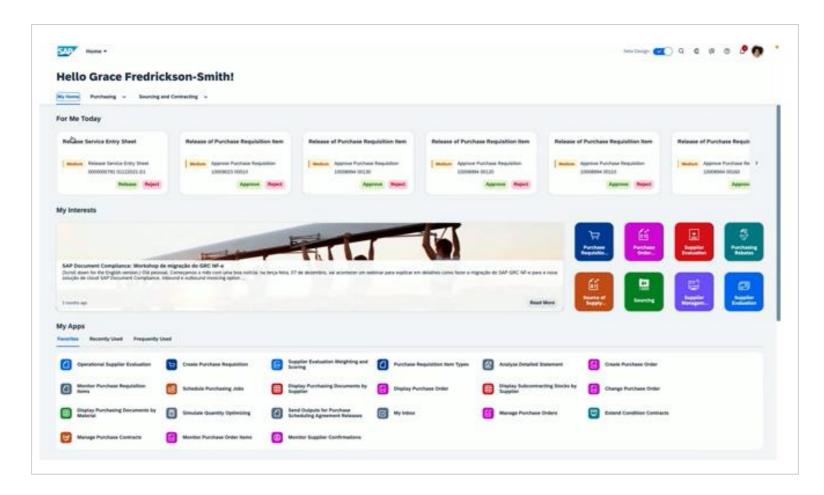
You can influence the product homepage for SAP S/4HANA Cloud

CUSTOMER ENGAGEMENT INITIATIVE



SAP EARLY ADOPTER CARE

Demo of product homepage in SAP S/4HANA Cloud



https://www.sap.com/assetdetail/2022/01/84cbc129-147e-0010-bca6-c68f7e60039b.html

SAP Screen Personas provides personalization in SAP S/4HANA Cloud



SAP Screen Personas is moving to the cloud





SAP Screen Personas 3.0

For SAP S/4HANA Cloud it is a capability referring to Adapt UI for classic applications with Screen Personas

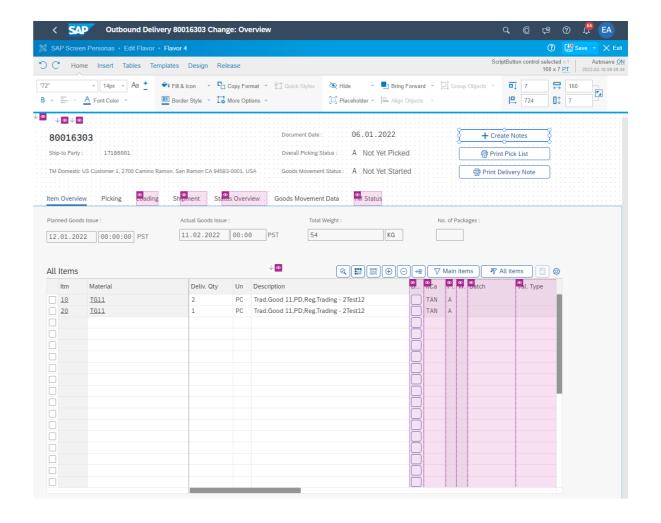
- available since 2014 -

- available since SAP S/4HANA Cloud 2202 -

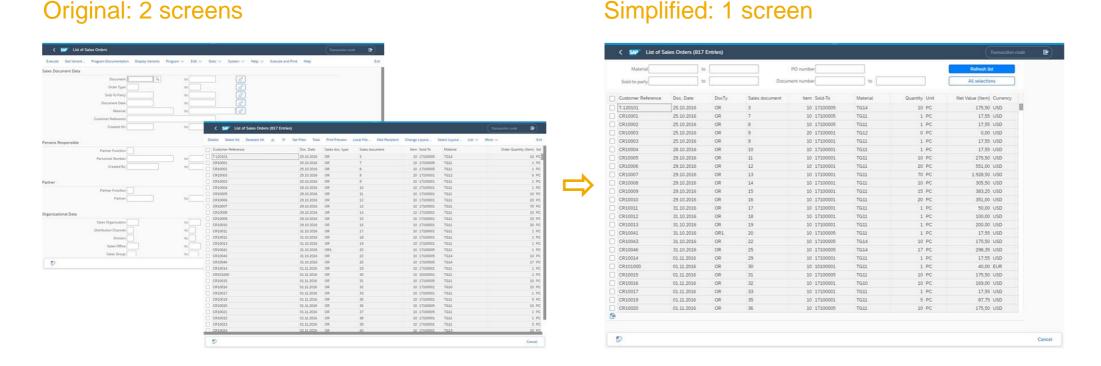
SAP Screen Personas simplifies screens - for cloud or on-premise

Top most used features from on- prem in SAP Screen Personas are available in the cloud.

- Hide UI elements
- Rearrange UI elements
- Automate process steps through scripting
- Adjust styling
- Make suitable for tablet use



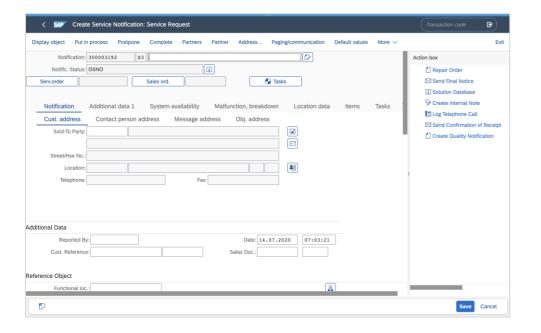
Improve classic application usability in SAP S/4HANA Cloud



Single simplified screen combines search and results and follows SAP Fiori list report format

Simplify classic applications in SAP S/4HANA Cloud

Original: many tabs and unused fields



Simplified: no tabs, just necessary fields



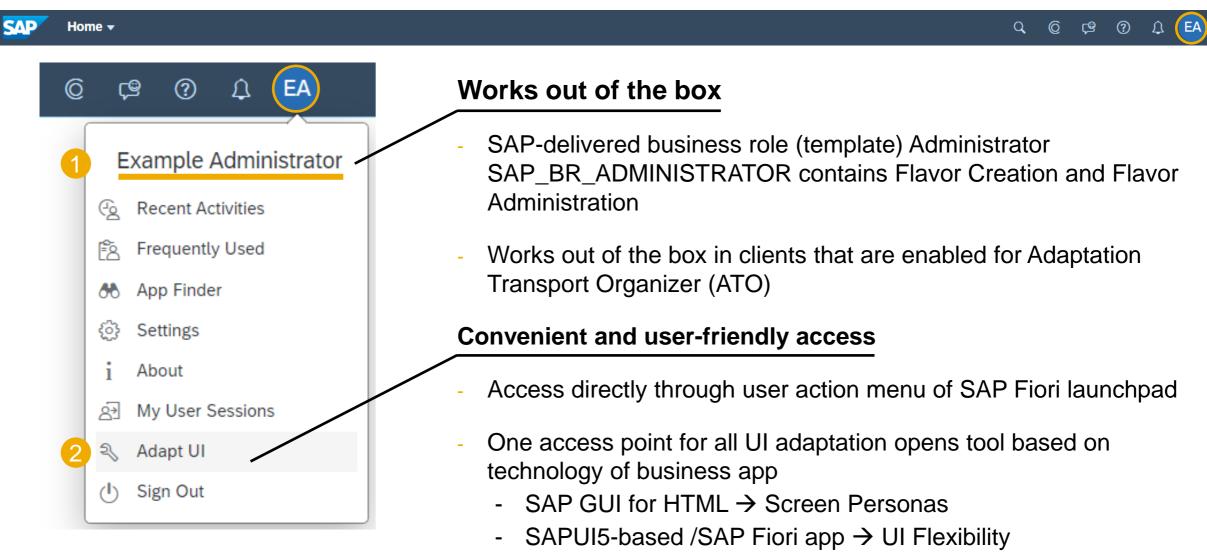
Focus on necessary fields on one screen depending on user, optimized for tablet use

Access to SAP Screen Personas in on-Premise for SAP S/4HANA or ECC



- Blue line indicating that SAP Screen Personas is active
- P button pulls down to open Flavor Manager
- Flavor Manager provides access to all design time or runtime features depending on authorization

Access to Screen Personas Functionality in SAP S/4HANA Cloud as of 2202



Slightly different scope in cloud on-premise

SAP S/4HANA Cloud and SAP S/4HANA

- Flavor Editor
 - Create flavors
 - Edit flavors
 - Add adaptive flavors
- Script Editor
 - Automate user interaction
- Template Editor
 - Create and use templates for recurring patterns
- Flavor Administration
 - Push to subsequent system
 - Prepare role assignment

Different per Delivery Channel

- User access
 - SAP Fiori launchpad
 Direct access
- Transporting flavors
 - ATO (Adaptation Transport Organizer)
 Transport Manager
- Assigning flavors to users
 - Assignment category
 Personas roles
- Health Check for Admin
 - Essentials
 Install/upgrade support
- Product Documentation
 - Part of FLP in S/4HC
 Direct access

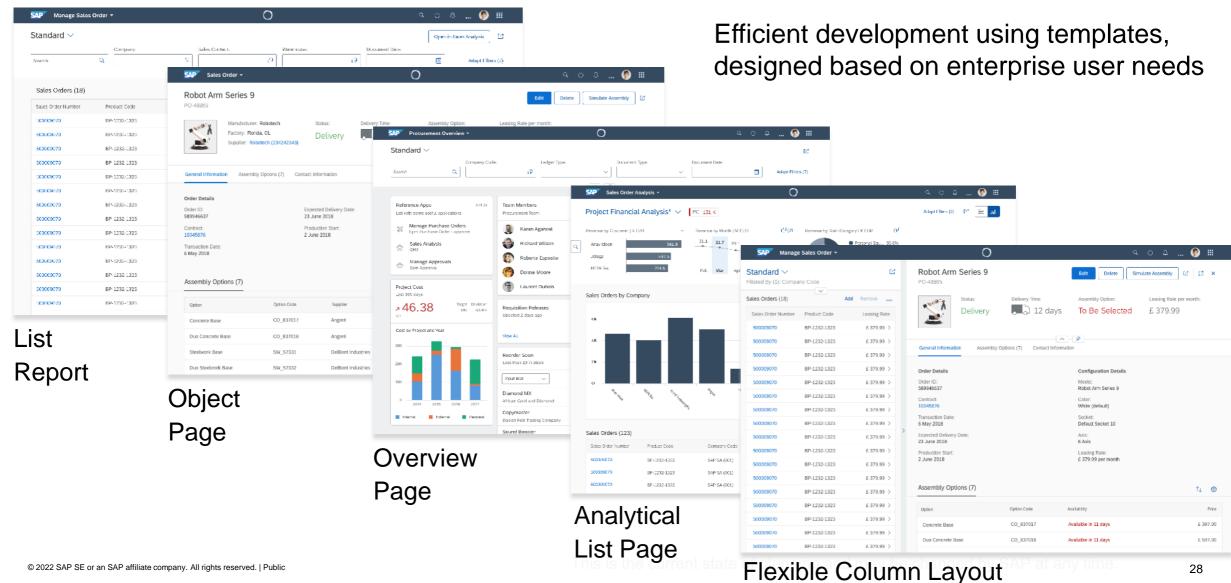
On Premise only

- Theme Editor
- Flavor Analytics
- Dedicated mobile features through Slipstream Engine
- Features specific to on premise system setups, e.g. importing clients, directly calling RFCs from flavors and scripts

SAP Fiori elements and the flexible programming model



SAP Fiori elements ensures consistent layout, navigation



SAP Fiori elements boosts SAPUI5 development efficiency





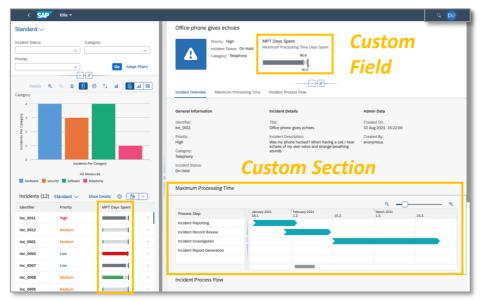
Enterprise Readiness

- Focus on business logic and back-end services
- Write less UI code
- Reduce development and maintenance costs

- Comply with the latest SAP
 Fiori design specification
- Deliver a centrally managed user experience
- Include uniform fonts, colors, layout, navigation, actions, search, filtering, and more

- Deliver high quality SAPUI5 applications to end-users
- Ensure stable, optimized
 UI code out of the box
- Include standard enterprise features (accessibility, mobile, translation support, ...)

Extend SAP Fiori elements apps with the flexible programming model

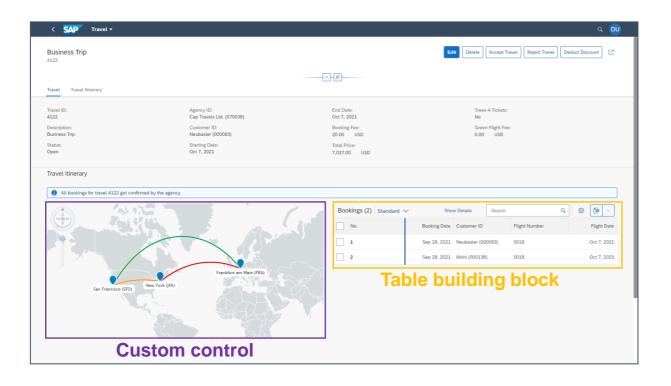


Custom Column

- Extension points allow you to add custom artifacts like custom sections, custom actions, custom table columns, or even custom pages.
- Within these custom artifacts you can leverage building blocks (OData V4), smart controls (OData V2) or custom controls
- Custom logic can be incorporated using controller extensions specified in the extensionAPI

The closer you stay to the standard SAP Fiori elements floorplans, the greater the savings in development and maintenance costs

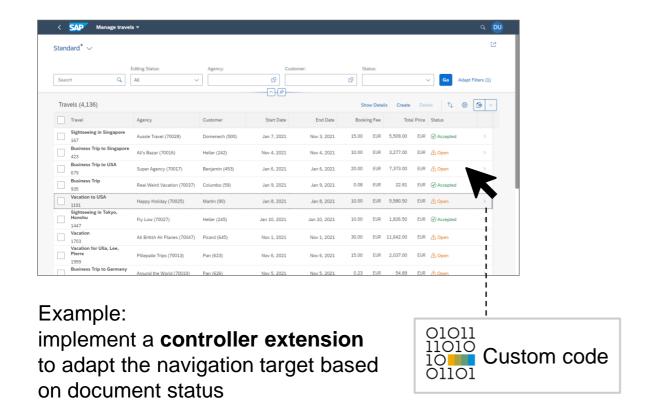
Building blocks make it easier to create and maintain custom artifacts



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Controller extensions allow you to add custom logic

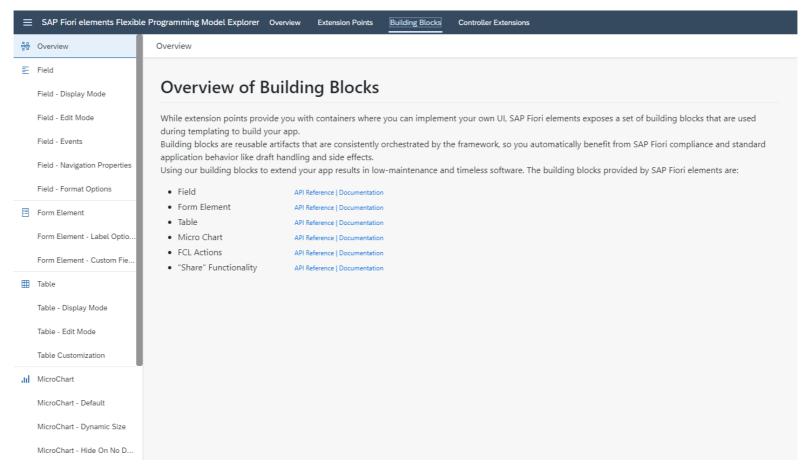


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The Flexible Programming Model explorer has more information

https://ui5.sap.com/test-resources/sap/fe/core/fpmExplorer/index.html#/overview/introduction



SAP Fiori tools guides developers through the full cycle

Application Generator

Creates the project environment for development



Application Modeler

Visualizes the structure of the application: 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



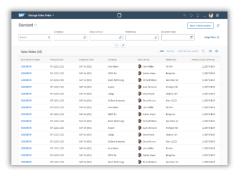
Code Completion

Delivers a language server protocol for annotations with micro-snippets and diagnostics



Application Preview

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



SAP Fiori tools makes it easier to build SAP Fiori elements apps

Uses a wizard-style approach

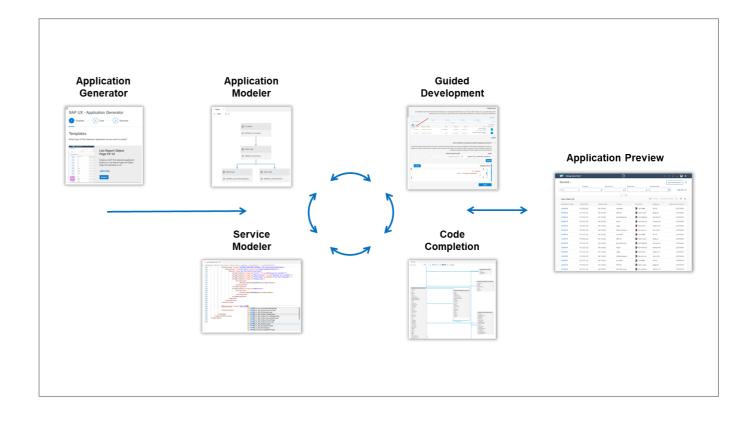
Ensures consistent app structure

Provides step-by-step development instructions

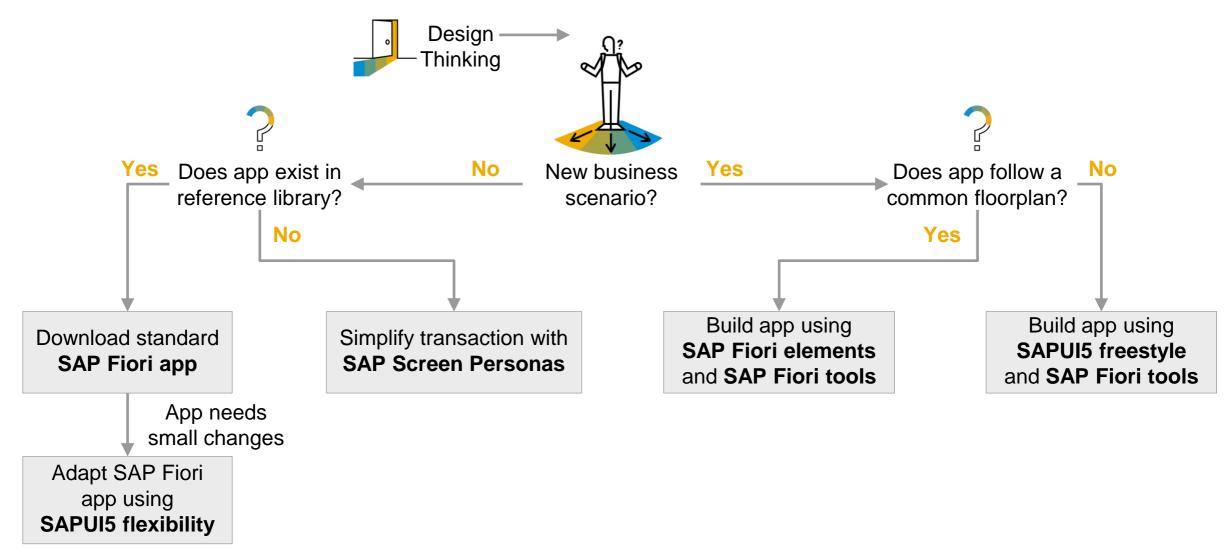
Reduces effort and skill level required for creating annotations

Improves code consistency

Simplifies app maintenance



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



Where to learn more

Horizon theme for SAP Fiori

- Preview video https://youtu.be/35AGfnzvarl
- https://blogs.sap.com/2021/11/17/sap-fiori-new-horizon-visual-theme-available-as-preview-we-want-your-feedback/
- https://blogs.sap.com/2021/11/17/saps-ui-technologies-supporting-the-new-horizon-visual-theme-of-sap-fiori/

SAP S/4HANA Cloud Product homepage

- Video preview https://www.sap.com/assetdetail/2022/01/84cbc129-147e-0010-bca6-c68f7e60039b.html
- Join the influence program https://influence.sap.com/sap/ino/#/campaign/2986

SAP Screen Personas in SAP S/4HANA Cloud

- https://blogs.sap.com/2022/01/27/sap-s-4hana-cloud-2202-includes-screen-personas-to-provide-screen-adaptationcapabilities/
- https://blogs.sap.com/2022/04/01/getting-started-with-ui-adaptations-for-classic-applications-in-sap-s-4hana-cloud/
- www.sapscreenpersonas.com

SAP Fiori elements and SAP Fiori tools

- www.sapfiorielements.com and www.sapfioritools.com
- https://blogs.sap.com/2021/08/19/leverage-the-flexible-programming-model-to-extend-your-sap-fiori-elements-apps-forodata-v4/

Try Building Blocks with <u>Flexible Programming Model Explorer</u>

Join the SAP UX community

ASUG

- UX Think Tank; email Amanda McGathey <u>Amanda.McGathey@asug.com</u>
- UX Influence Council; email Amanda McGathey <u>Amanda.McGathey@asug.com</u>

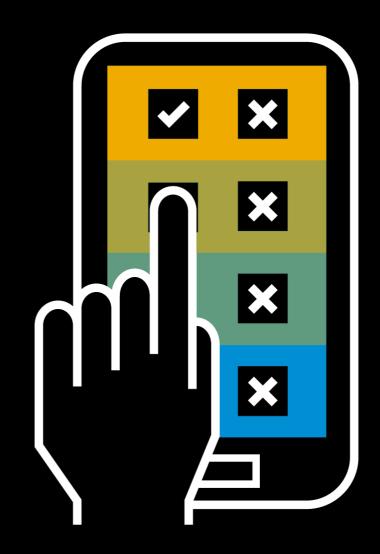
SAP

- SAP Fiori elements roundtable
 https://blogs.sap.com/2021/07/31/peer-to-peer-learning-at-the-sap-fiori-elements-and-sap-fiori-tools-roundtable/
- SAP Screen Personas practitioner forum https://www.sap.com/cmp/nl/sap-screen-personas-practitioner-forum/index.html
- Subscribe to the SAP Fiori development newsletter
 https://www.sap.com/cmp/nl/sap-fiori-development-newsletter/index.html



Building Community Knowledgewith SAP Product Reviews

INTERNAL - SAP and Customers only





Peer-to-peer review sites make purchase decisions less risky

What are these communities? Why do they matter?







"Yelp-like" or "Glassdoor-like" communities for enterprise software where customers provide product reviews.





97% of B2B customers cited testimonials and peer recommendations as the most reliable type of content.

(Source: Demand Gen Report)

81% of [survey respondents] expected end-user reviews to be useful in making purchase decisions.

(Source: Gartner)

Contributing to peer-to-peer review sites helps the ASUG community



Help your peers

If we all provide feedback on our business solutions, our collective wisdom will help avoid surprises after the purchasing decision for everyone



Earn recognition

Your detailed, balanced reviews of the solutions that you know inside and out can position you as an expert



Share feedback

Use a solution that has made your job easier? Make your voice heard

Share your SAP product experience by writing a review on TrustRadius.

Once published, TrustRadius will provide a \$25 Amazon gift card and a \$10 donation to the World Health Organization!

Write a Review



sap.com/product-review

Questions?

Alejandro Barajas, SAP Customer Advocacy and Adoption Marketing alejandro.barajas@sap.com



Thank you.

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