New UX innovations improve collaboration and boost productivity

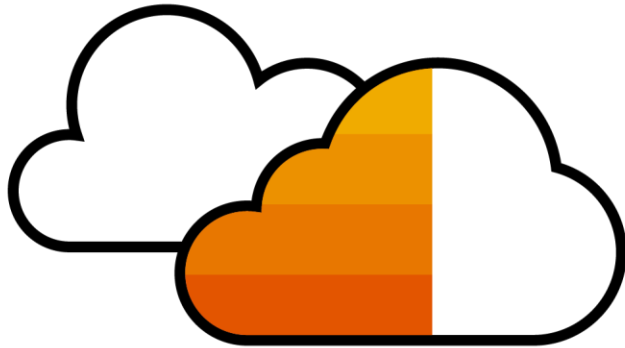Peter Spielvogel, SAP
October 28, 2022

THE BEST RUN **SAP**

SAP S/4HANA comes in three flavors

SAP S/4HANA Cloud, public edition

Ready-to-run cloud ERP that delivers the latest industry best practices and continuous innovation
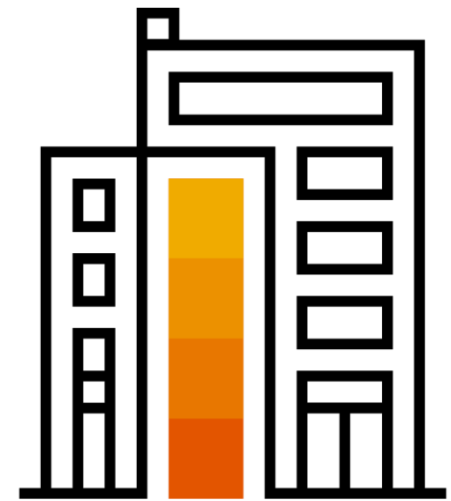
SAP S/4HANA Cloud, private edition

Tailored-to-fit cloud ERP that adapts to your organization's unique transformation

SAP S/4HANA (on-premise)

Next-generation ERP that maintains compatibility with legacy software

SAP S/4HANA Cloud, public edition

Ready-to-run cloud ERP that delivers the latest industry best practices and continuous innovation

Run on the industry standard

- **Deliver results right away** with ready-to-work processes built on proven industry best practices

- **Quickly tackle your top business priority** and expand as your needs change

Keep innovation moving

- **Stay ahead** by always getting the latest process and technology innovations

- **Build your own breakthroughs** with a fully extensible platform

SAP S/4HANA Cloud, private edition

Tailored-to-fit cloud ERP that adapts to your organization's unique transformation

Run on your own standard

- **Maximize your differentiation** by tailoring business processes to your unique requirements

- **Protect your investment** and move to the cloud at your speed

Keep the control

- **Manage the pace of change** by rolling out innovations on your timeline

- **Choose the cloud infrastructure** based on your landscape and preferences

Agenda

UX innovations appear first in SAP S/4HANA Cloud, public edition

- Horizon theme improves usability
- My Home makes users more efficient
- SAP Mobile Start provides native access to the Intelligent Enterprise
- Share to Microsoft Teams improves collaboration
- Adapt UI for classic applications enables personalization

Better UX also available for on-prem and private cloud customers

- Check for SAP Fiori apps in the reference library
- Build your own SAP Fiori apps using the same tools as SAP

Where to learn more

Horizon theme improves usability

SAP Fiori continues to evolve

Casual users
Self-service apps

Desktop user
The new face of SAP S/4HANA
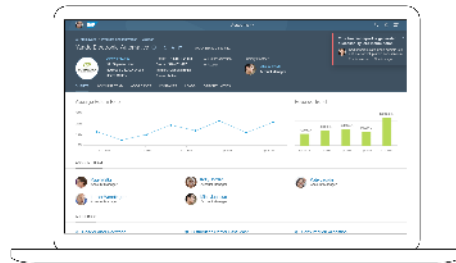
SAP Fiori 3
Consistent, Intelligent, Integrated
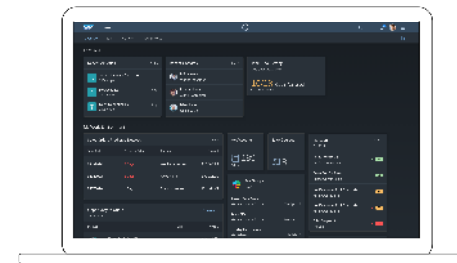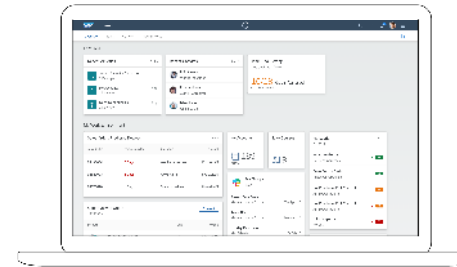
New design DNA
Federated model for design system

2013

2016

2019

2021

SAP Fiori

SAP Fiori 2.0

SAP Fiori 3
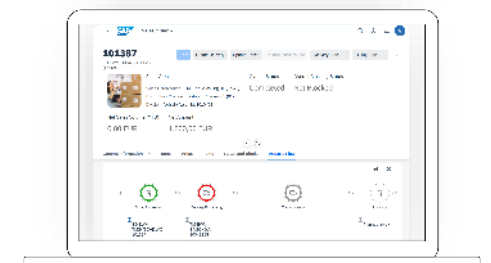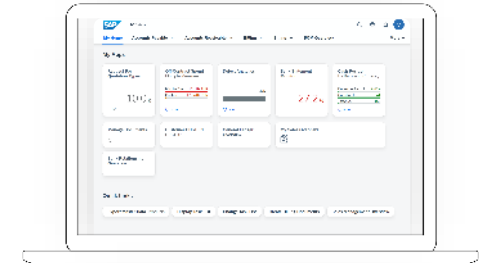
Horizon theme

SAP UX strategy – four pillars

Aesthetics

We're starting with the visuals to signal a change in our direction and to change how our users feel using SAP products, but we can't stop there…

Performance

… the applications must be stable, reliable, and fast, ensuring the end user can accomplish their business tasks…

Cultural change within SAP

SAP UX

User insights
Continuous and iterative

Usability

… and they must be simple to understand and easy to use for everyone, from power user to novice…

Accessibility

… and we cannot forget that they must also be built in a way that allows *everyone* to successfully do their jobs.

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

SAP Horizon will further unify the SAP user experience

Improving information hierarchy with a simplified header bar

Emphasizing important information using bold SAP typography (72 bold font)

Creating a sense of focus with more contrast, space, and visual hierarchy

Making components clearer and more understandable using simplified aesthetics

Ensuring an easy-to-learn and coherent experience across devices by using a mobile-first approach.
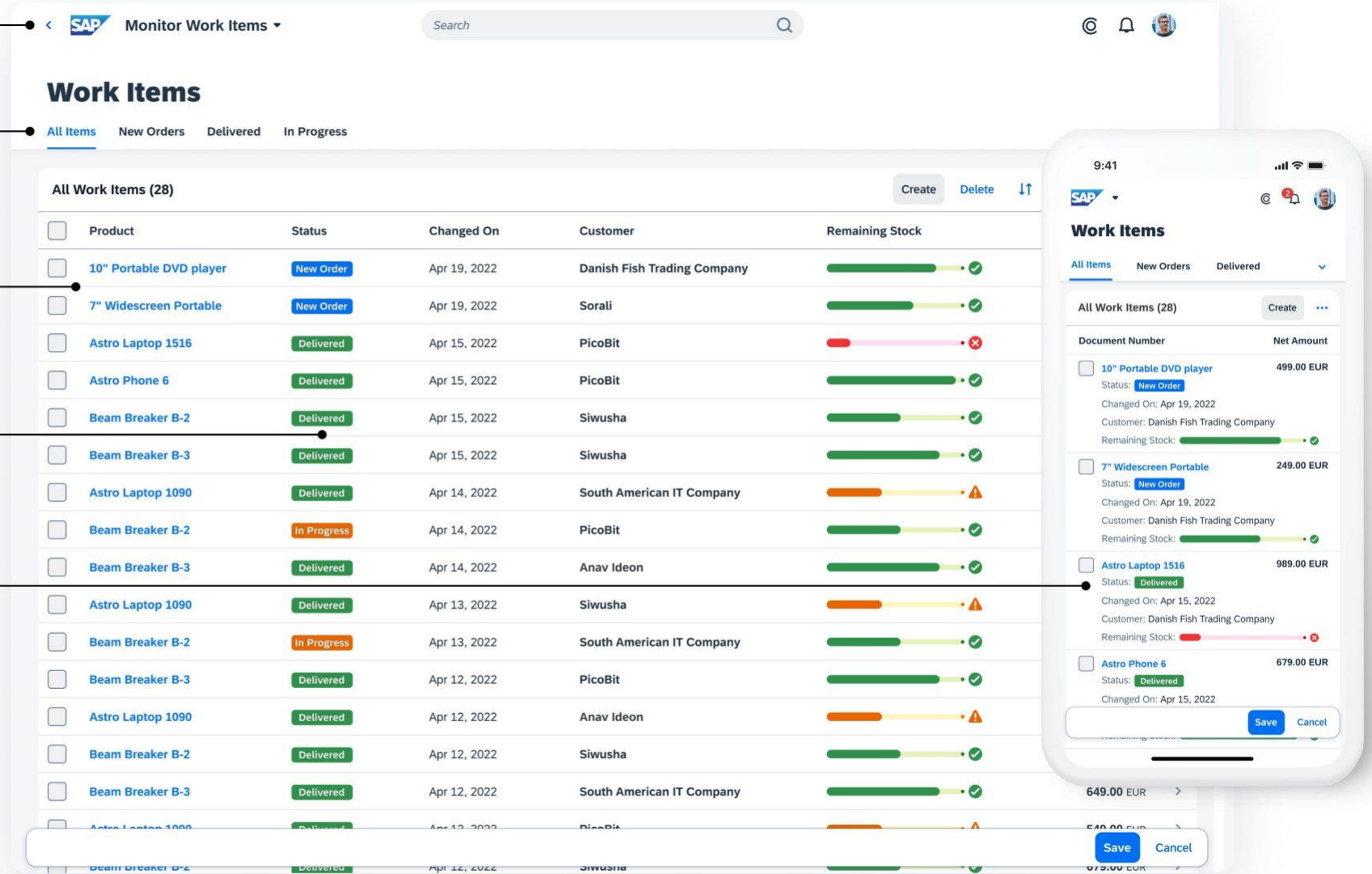
My Home makes users more efficient

My Home is the new entry point for SAP S/4HANA Cloud

Federation layer:
Get relevant content across all SAP Solutions

SAP solutions layer:
Get relevant content across one SAP Solution

Spaces & Pages:
Organize resources per business role & work package

Domain-specific overviews:
Provide tailored insights through SAP Analytic Cloud
dashboards or overview pages (OVP)

Details and in-depth exploration:
Get the app you need to do your job

SAP Launchpad service   SAP Work Zone   SAP Mobile Start

Central Access to SAP   SAP BTP

new My Home **in SAP S/4HANA Cloud**

SAP S/4HANA Cloud

SAP S/4HANA

SAP Success Factors

Other SAP Products

Space 1   Space X

Page 1   Page 2   Page R
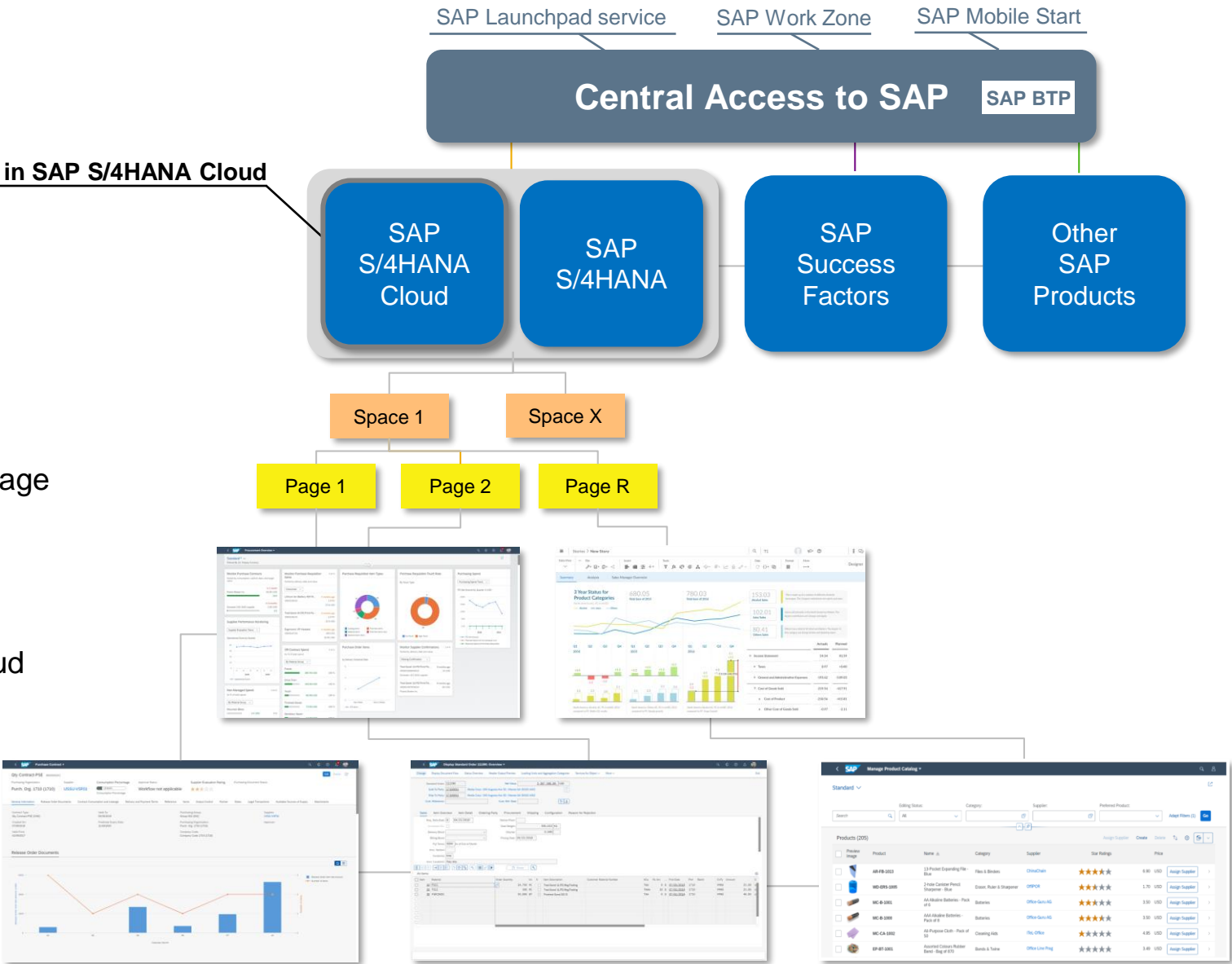
My Home for SAP S/4HANA Cloud makes users more efficient

Enjoy the Horizon visual theme

Rely on and Spaces & Pages

Get my To Do list combining My Inbox and My Situations items

Access my most critical pages quickly

Launch my most relevant apps

Monitor your business thanks to Dynamic or Smart Business tiles

Track your business trends through your pinned cards
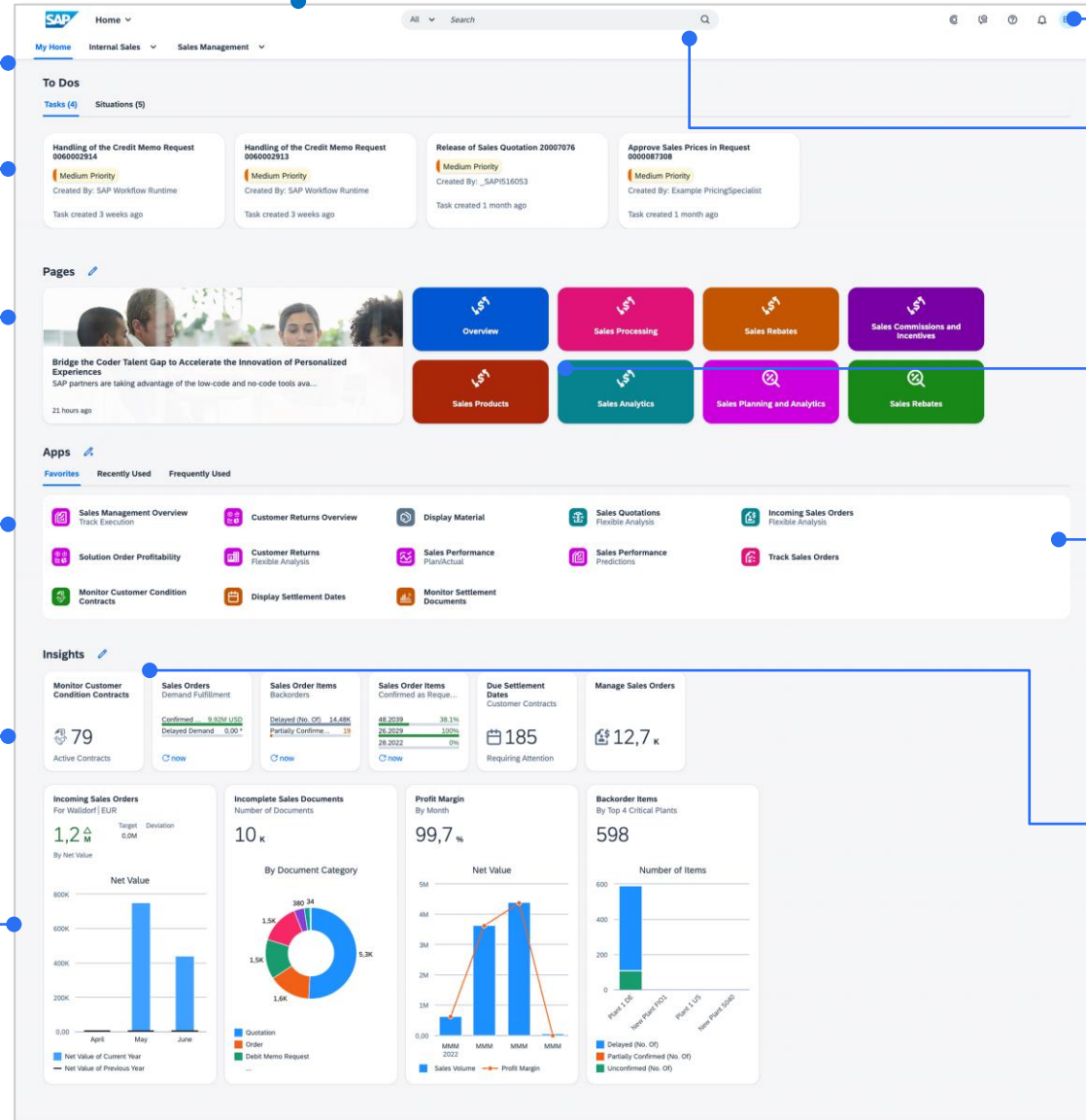
Personalize the section shown on the page and their display order

Search & Launch any of my apps instantly

Identify instantly which page my app belongs to (Color coding)

Personalize the content of the section

New *My Home* demo

Join our customer engagement initiative if you want to provide feedback

CEI for *My Home*

OPEN

SAP Customer Engagement Initiative (CEI)
Discuss planned functionality with customers and partners to gain valuable input during development phase
Register here

https://influence.sap.com/sap/ino/#campaign/2986

SAP Mobile start provides native access to the Intelligent Enterprise

SAP Mobile Start – Meet the SAP Mobile Experience

SAP Mobile Start - Key Capabilities and Value Proposition

Your native entry point to the Intelligent Enterprise

- Seamless mobile access to the Intelligent Enterprise, its applications (native or web), web content, data or SAP S/4HANA notifications to quickly address business issues

- Consumer-grade user experience and superior performance, designed for an intuitive and personalized native OS experience with enterprise-grade capabilities

- Consolidated view on all tasks and workflows approval requests, enabling end-users to trigger direct actions thanks to SAP Task Center integration

- Improved productivity, agility and work flexibility thanks to mobile

- Stay up-to-date and react quickly to any business-critical situation

- Persona-centric configurations, tailored to any user needs
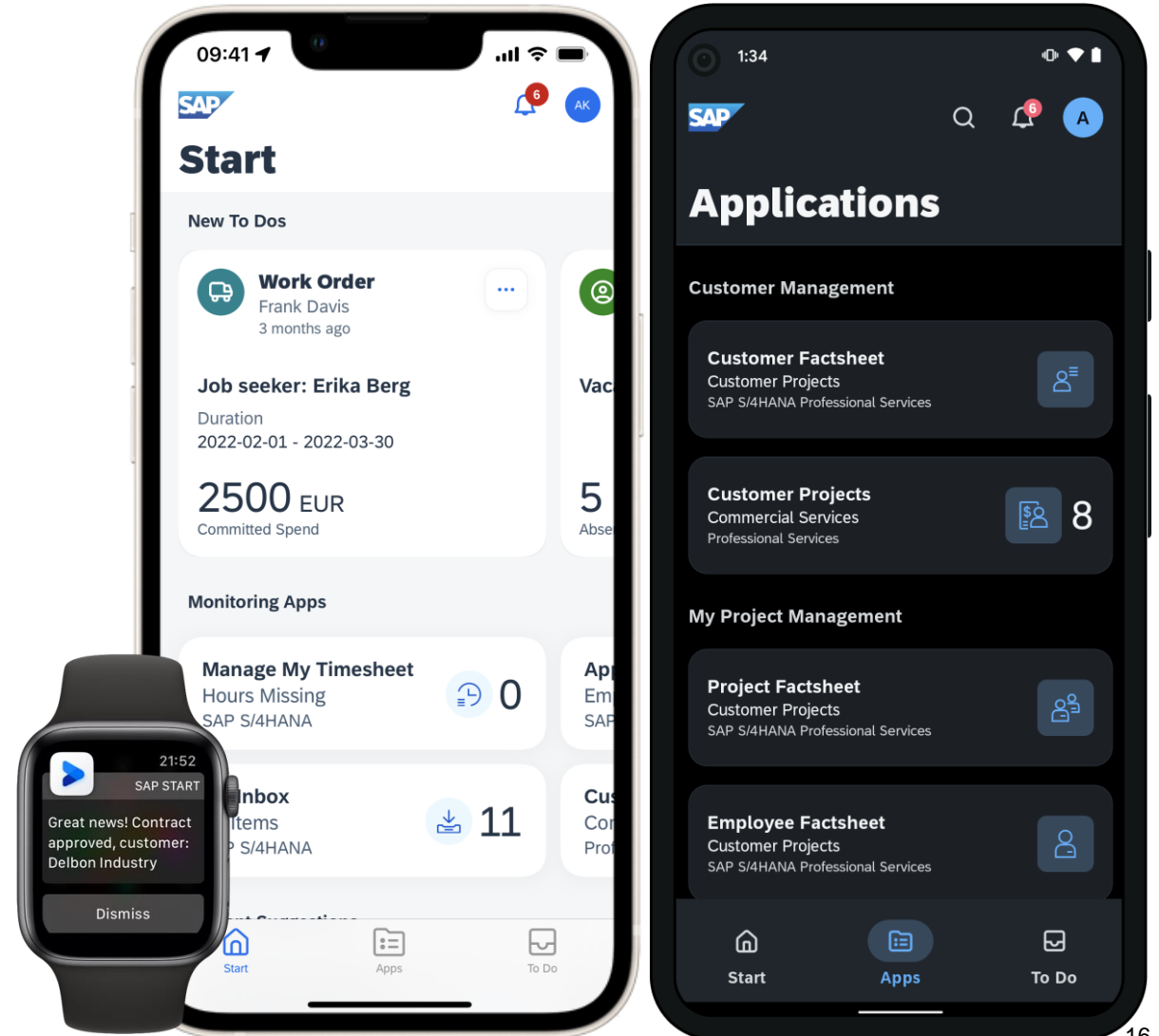
SAP Mobile Start demo
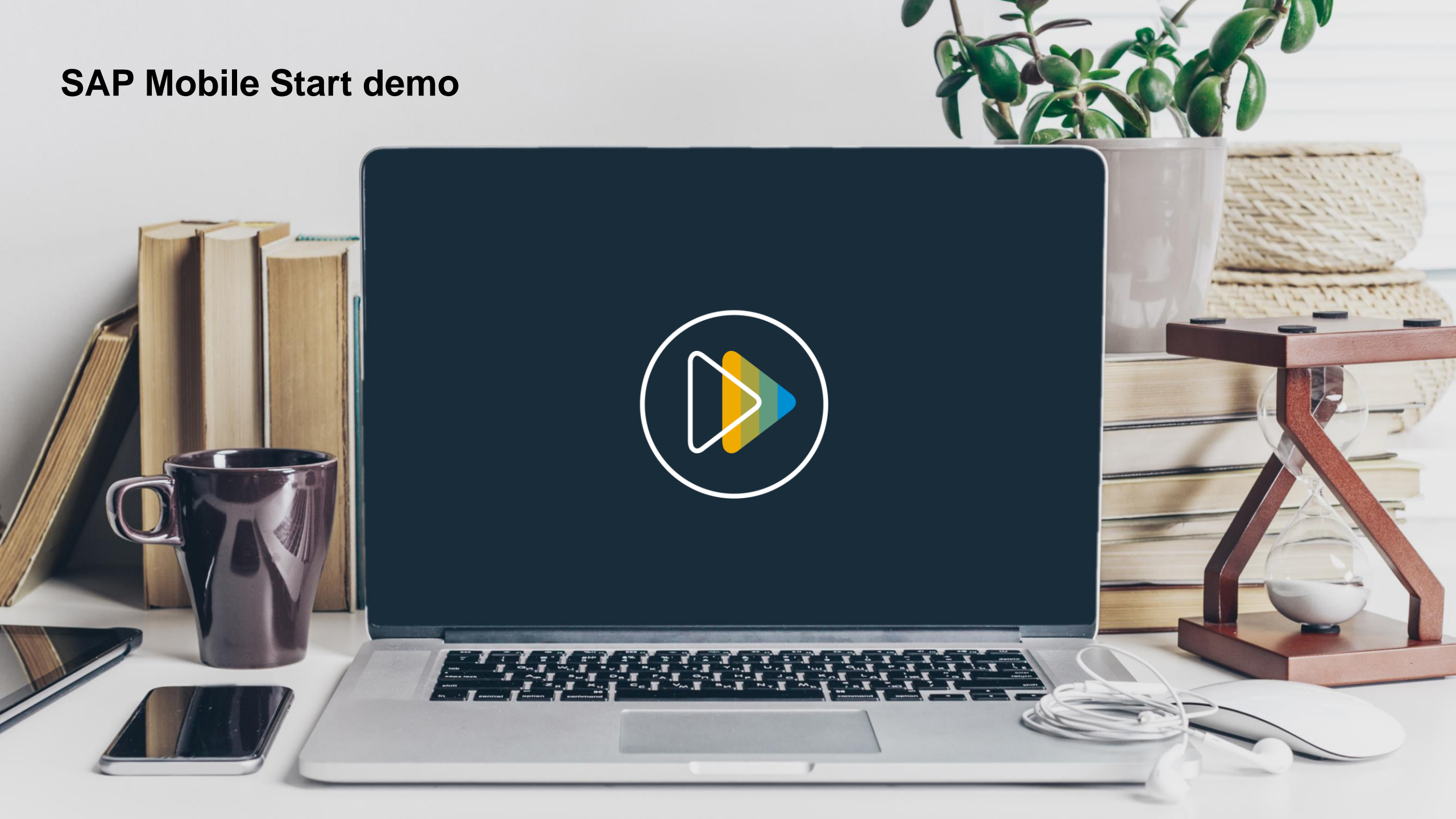
Share to Microsoft Teams improves collaboration
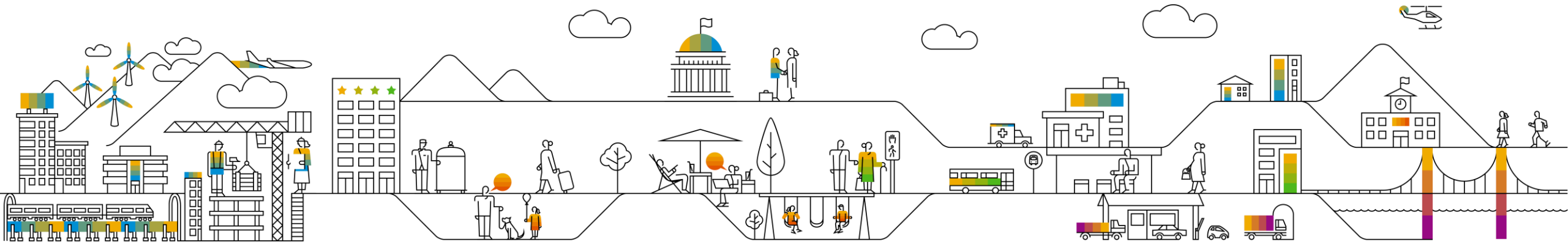
Share to Microsoft Teams improves collaboration of SAP S/4HANA Cloud users

Seamless integration

- Share content from SAP Fiori elements apps with other Microsoft Teams users

Access to live data

- Link to filtered data in your SAP S/4HANA Cloud system

Pre-integrated

- Activation with only one setting

No additional costs*

- Included with SAP S/4HANA Cloud subscription

*Microsoft Teams needs to be licensed seperately
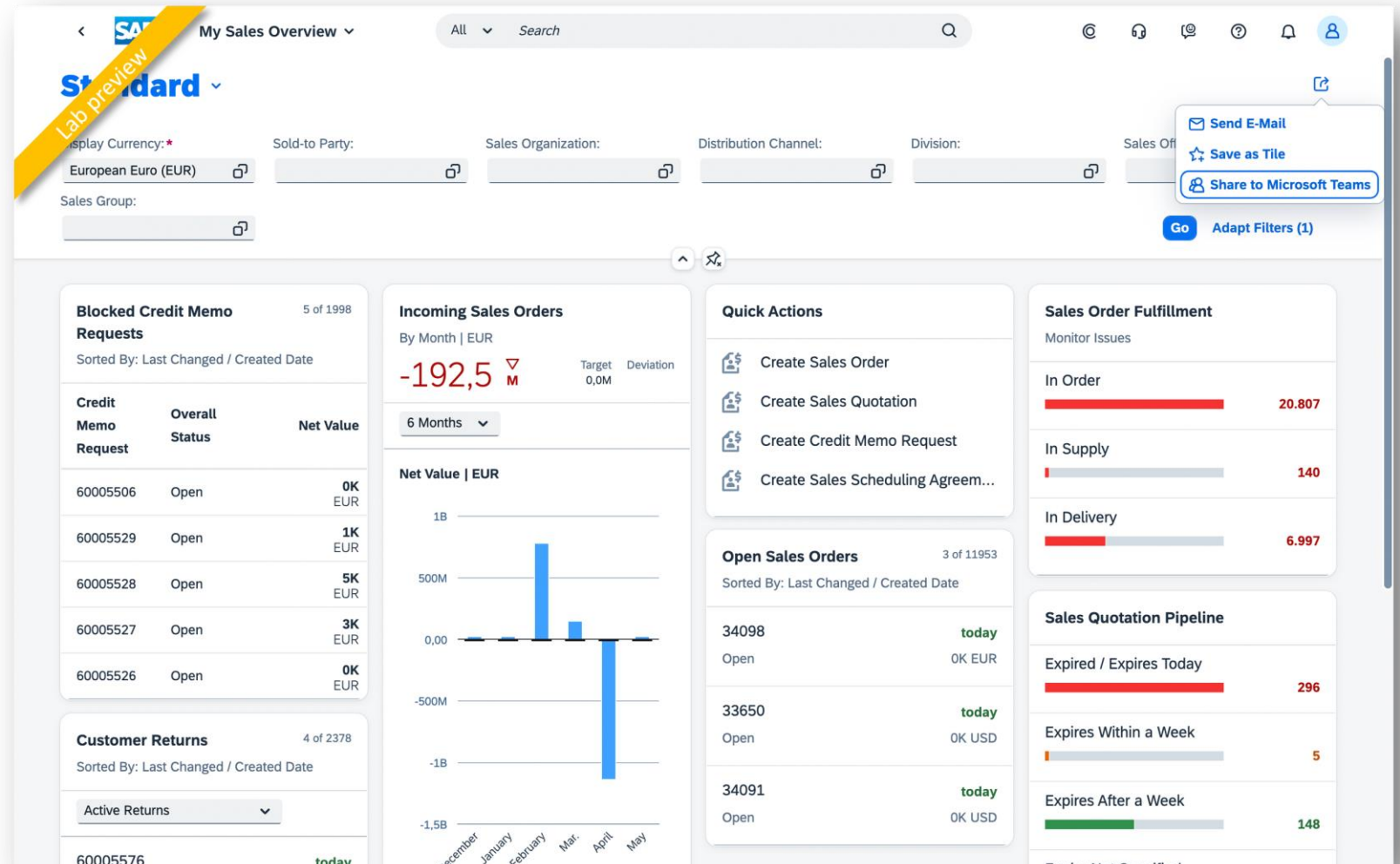
Share to Microsoft Teams ERP demo

Adapt UI for classic applications with SAP Screen Personas enables personalization

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
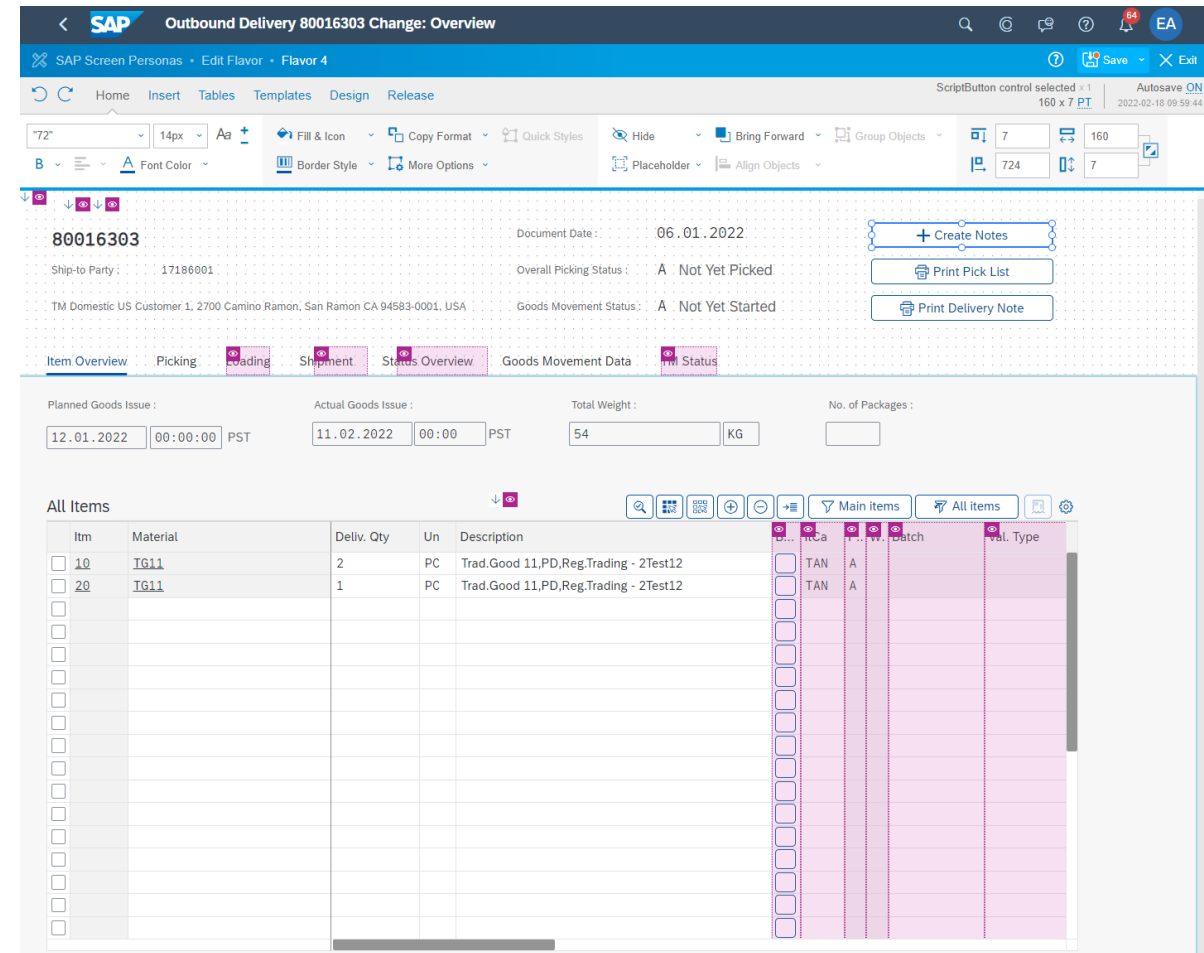
SAP Screen Personas brings the SAP Fiori UX to SAP GUI interface screens

Original: 2 screens in original transaction

- Complex search screen includes criteria that people don't use

- Separate search and results screens force users to navigate back and forth

Simplified: 1 screen in flavor

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

SAP Screen Personas simplifies SAP GUI screens

Original: Many tabs and unused fields

Simplified: No tabs, just necessary fields

- Simplify complex SAP GUI screens where SAP Fiori coverage does not exist yet

- Apply SAP Fiori design to custom transactions

- Launch flavors from your SAP Fiori launchpad and support intent-based navigation

New openSAP course on SAP Screen Personas for 2022

**Adapting the UI in SAP S/4HANA Cloud Using
SAP Screen Personas**

Week 1: Adapting Screens for Classic Apps in SAP S/4HANA

Week 2: Building Flavors and Adding Automation

Week 3: Enabling and Administering Business Roles

Week 4: Final Exam

Optional week: SAP Screen Personas for on-Prem environments and the Private Cloud Edition

Enroll today: https://open.sap.com/courses/sps5
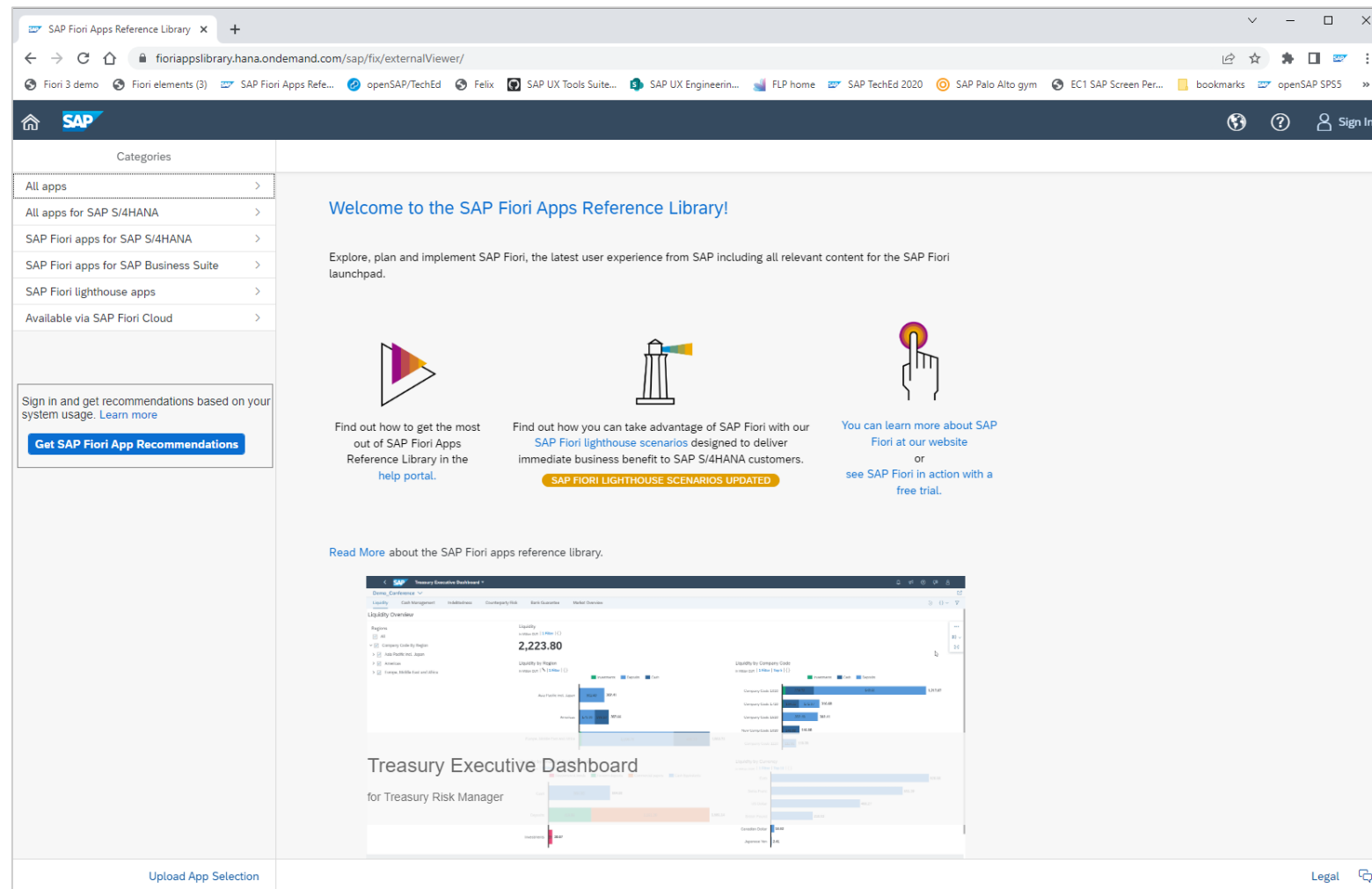
The content is active, but the forums are closed
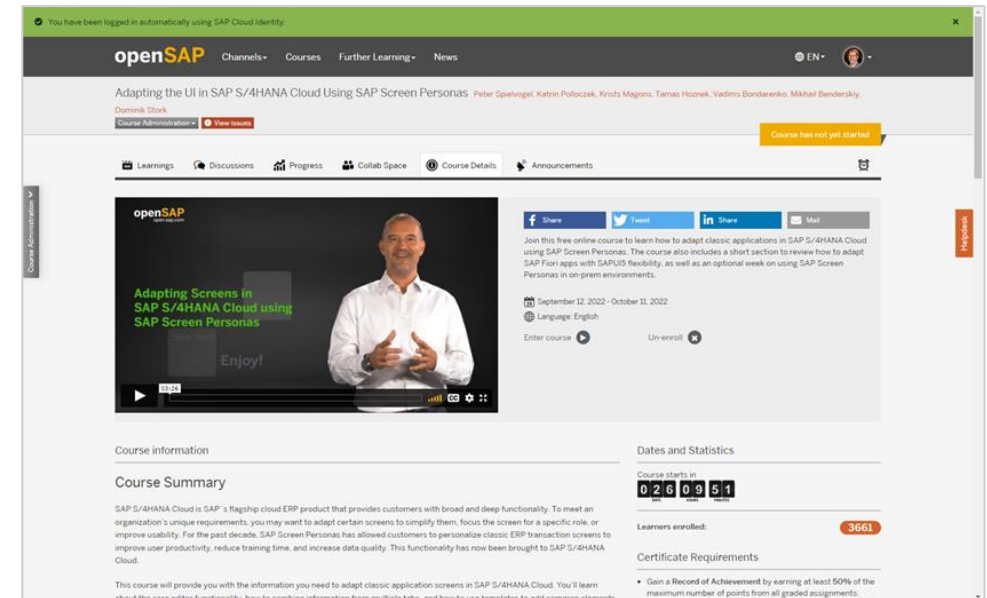
Check for SAP Fiori apps in the reference library

SAP Fiori app reference library shows all apps available for your environment

https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/

Build your own SAP Fiori apps using the same tools as SAP

SAP Fiori elements ensures consistent layout, navigation

Most use cases in the enterprise space involve providing an **overview**, **lists** of business objects and management of these business **objects**.

Provide **overview** on business relevant data

Overview page
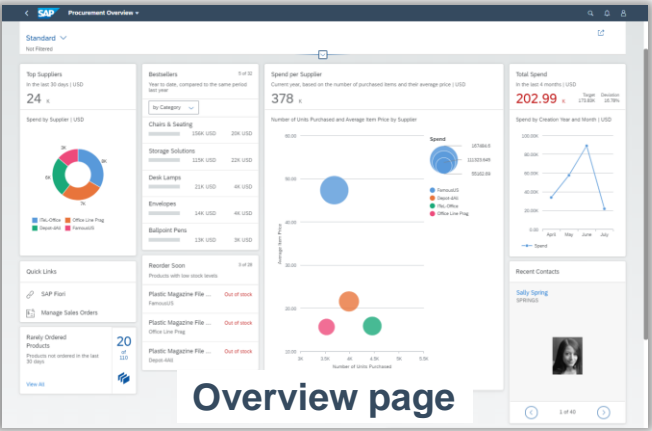
Work on a **list** of business objects

List report page
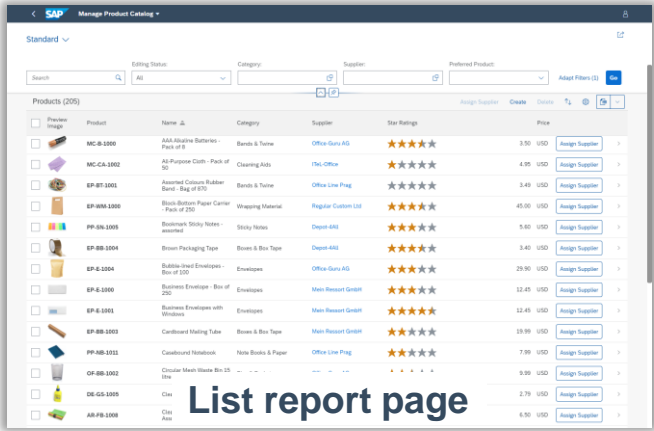
Manage individual business **objects**

Object page

Analytical list page

Worklist page

Flexible Column Layout
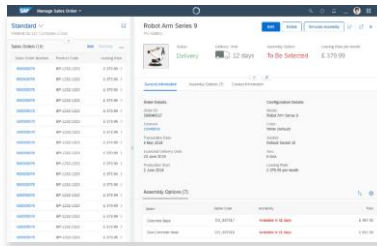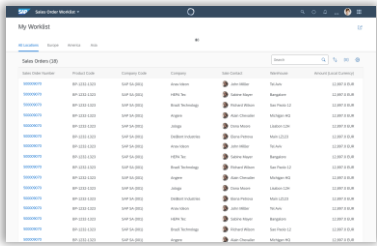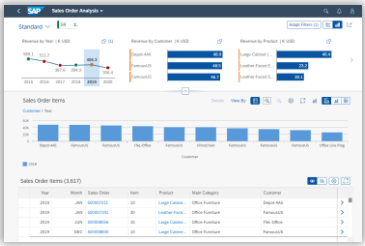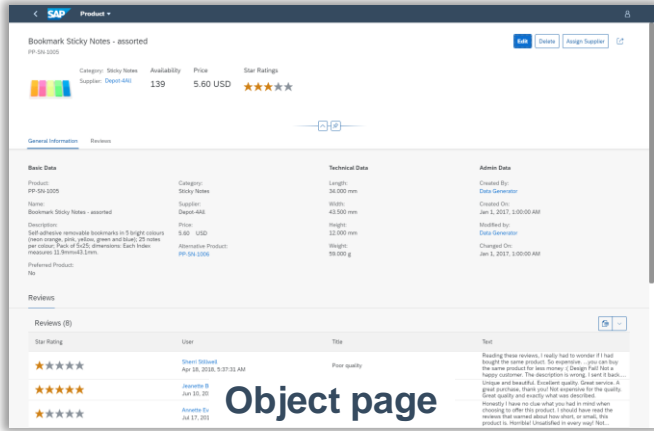
SAP Fiori elements boosts SAPUI5 development efficiency

Developer Productivity

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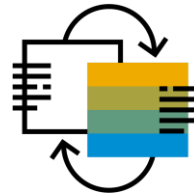
UX Consistency

- 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

Enterprise Readiness

- 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, …)

SAP Fiori tools guides developers through the full cycle

Generates the project environment for development
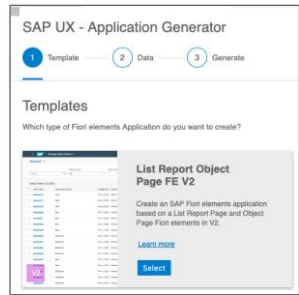
Allows editing of the app structure: pages, properties, and navigation
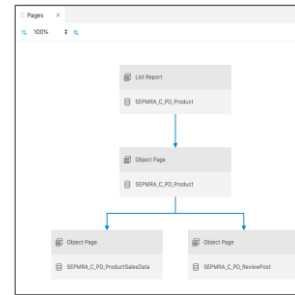
Provides step-by-step development instructions and generates code snippets in-line
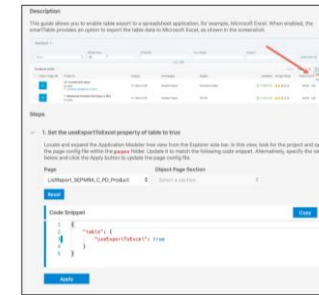
Provides preview of web app in the browser either with mock data or live data
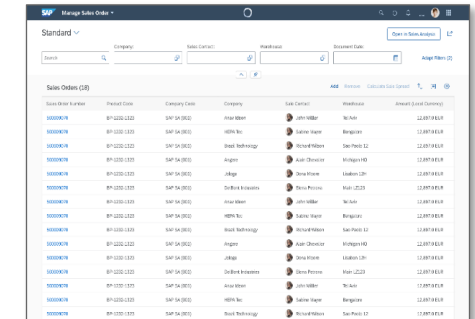
Offers troubleshooting tips (open source)
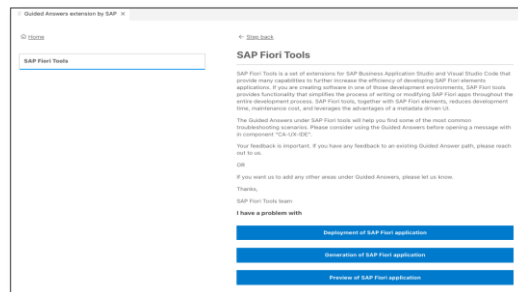
Delivers code completion using a language server protocol for annotations
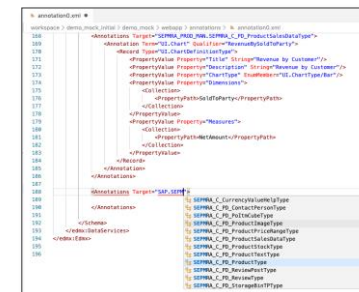
SAP Fiori tools makes it easier to build SAP Fiori elements apps

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
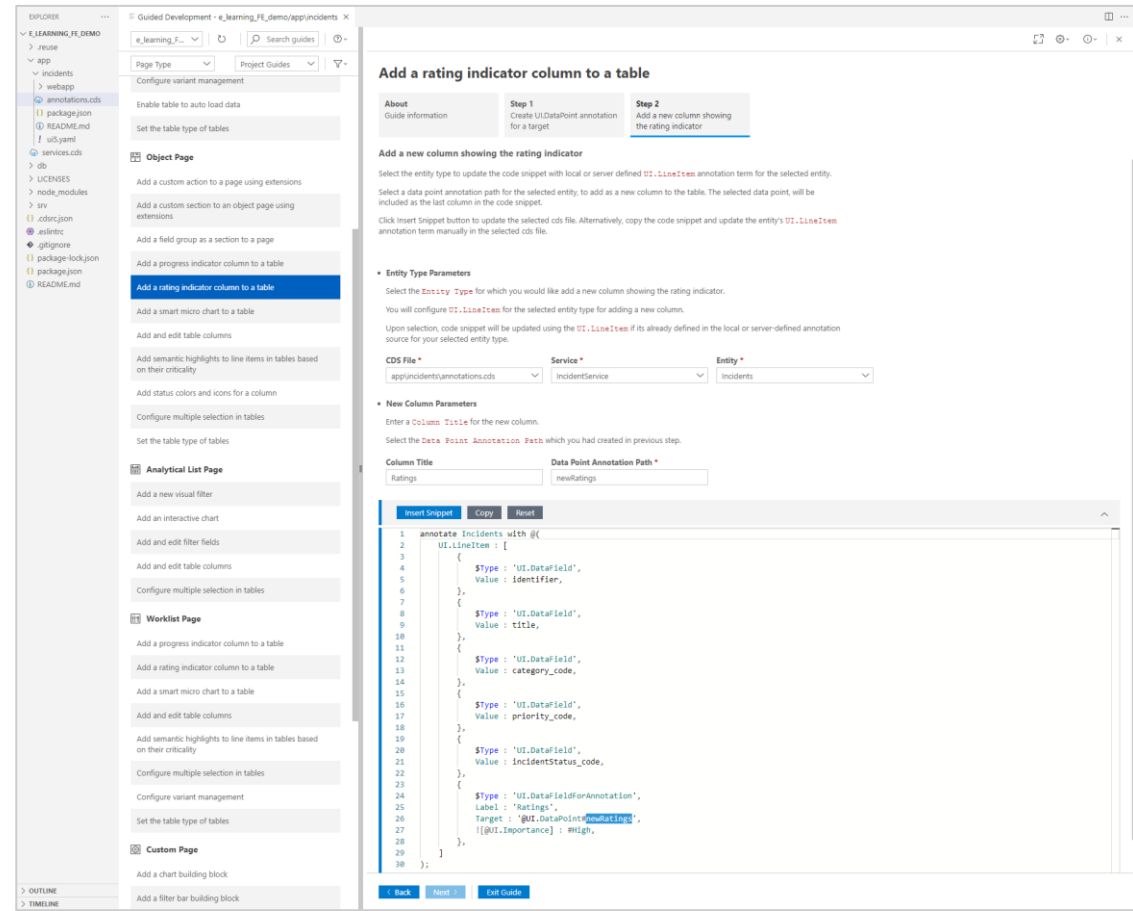
Summary and where to learn more

SAP Fiori brings employees a more intuitive way of working

- Provides visible changes in the screens, but also **streamlines interactions** in business processes and **enables collaboration**

- Integrates **intelligence** and will add more over time: example today is Situations where urgent tasks are brought to the user

- Offers several paths forward – most important thing is to **take action today** towards a better UX
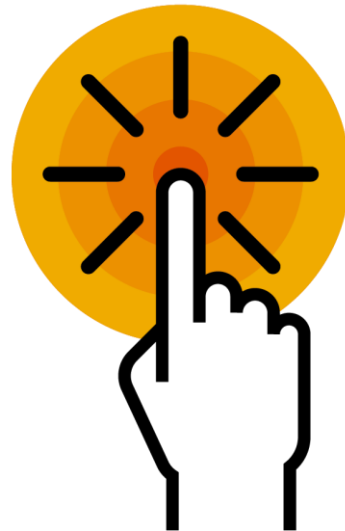
Choose the path to the SAP Fiori user experience based on your needs

I need to **adapt** an existing SAP Fiori app

I need a **new** SAP Fiori app

SAPUI5 app?

Yes

No

Adapt SAPUI5 app using **SAPUI5 flexibility**

Adapt classic app using **SAP Screen Personas**

SAP Fiori elements

Build app using the Flexible Programming Model

SAPUI5 freestyle

Accelerate development with **SAP Fiori tools**
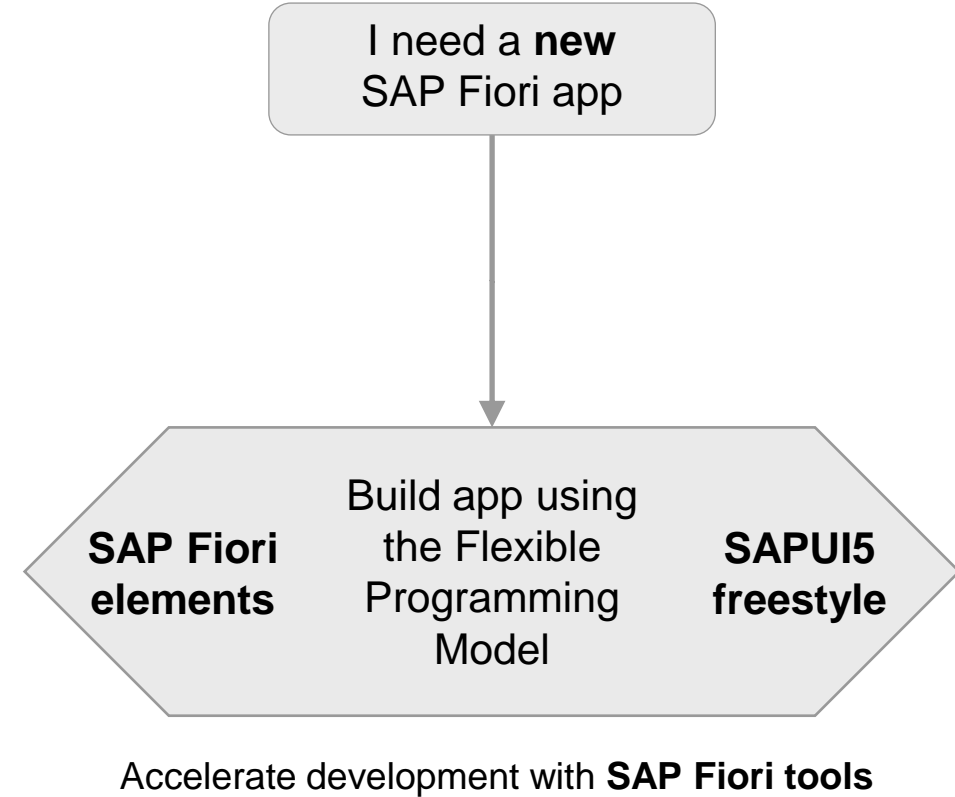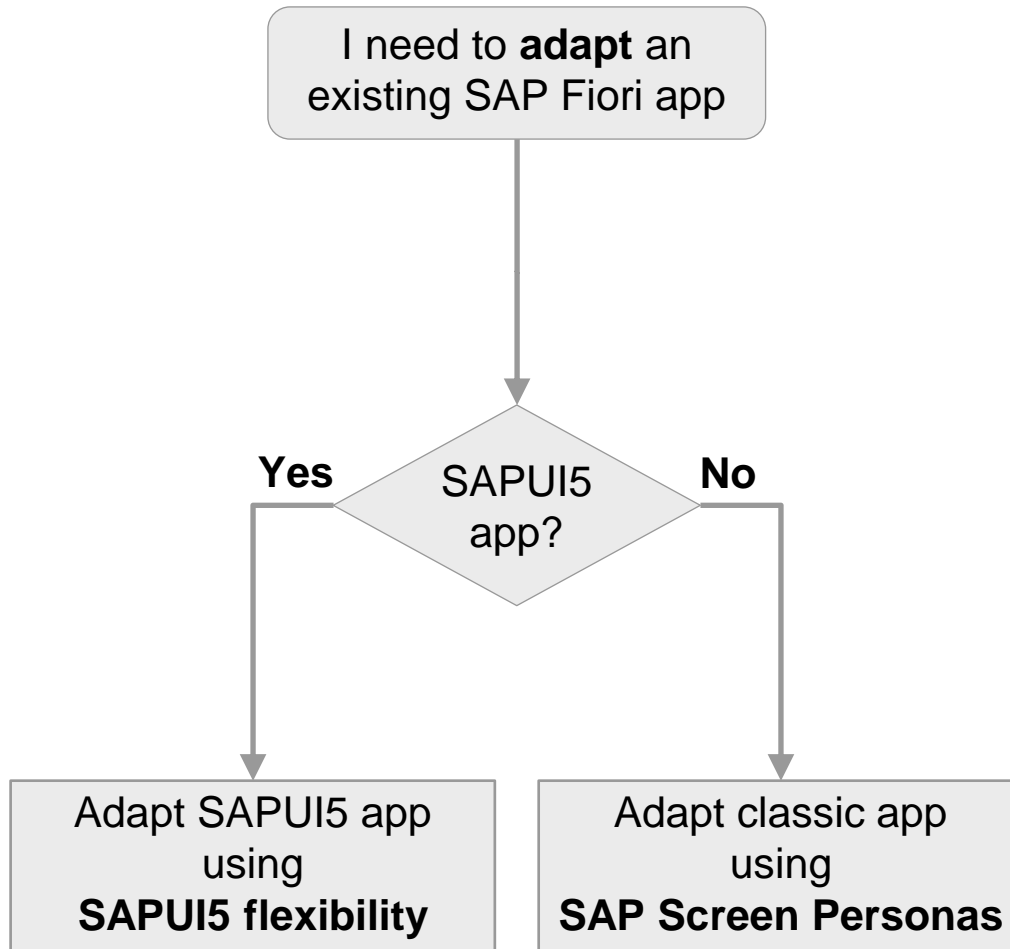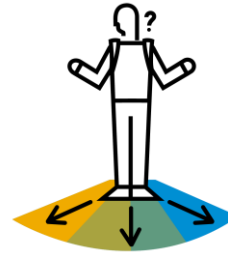
Learn more about today's topics

Horizon theme
https://blogs.sap.com/2022/05/24/sap-fiori-evolution-horizon-now-generally-available-in-ui-technologies-and-some-products/

My Home
https://blogs.sap.com/2022/08/11/new-my-home-in-sap-s-4hana-cloud-2208-overview-and-outlook/

SAP Mobile Start
https://community.sap.com/topics/mobile-experience/start

Share to Microsoft Teams
https://www.sap.com/documents/2022/05/d65c1b6e-297e-0010-bca6-c68f7e60039b.html

Adapt UI for classic applications
https://blogs.sap.com/2022/01/27/sap-s-4hana-cloud-2202-includes-screen-personas-to-provide-screen-adaptation-capabilities/

Build your own SAP Fiori apps
www.sapfiorielements.com and www.sapfioritools.com

Join the SAP UX community

ASUG

- UX Task Force (Think Tank); email Amanda McGathey Amanda.McGathey@asug.com

- UX Influence Council; email Amanda McGathey Amanda.McGathey@asug.com

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

TechEd has several sessions on user experience and app development
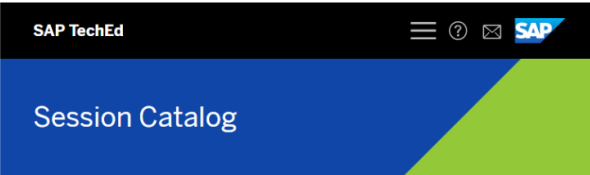
https://blogs.sap.com/2022/09/27/user-experience-and-application-development-sessions-at-sap-teched-2022/

Thank you.

Contact information:

Peter Spielvogel   peter.spielvogel@sap.com

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