



UXP200 – Overview about SAP UI Technologies and when to choose what



Dr. Johannes Wasserfall / SAP Business Suite

Michael Falk / Product Management SAP UI

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Agenda

Introduction

User Interface Frameworks & Tools

User Interface Clients

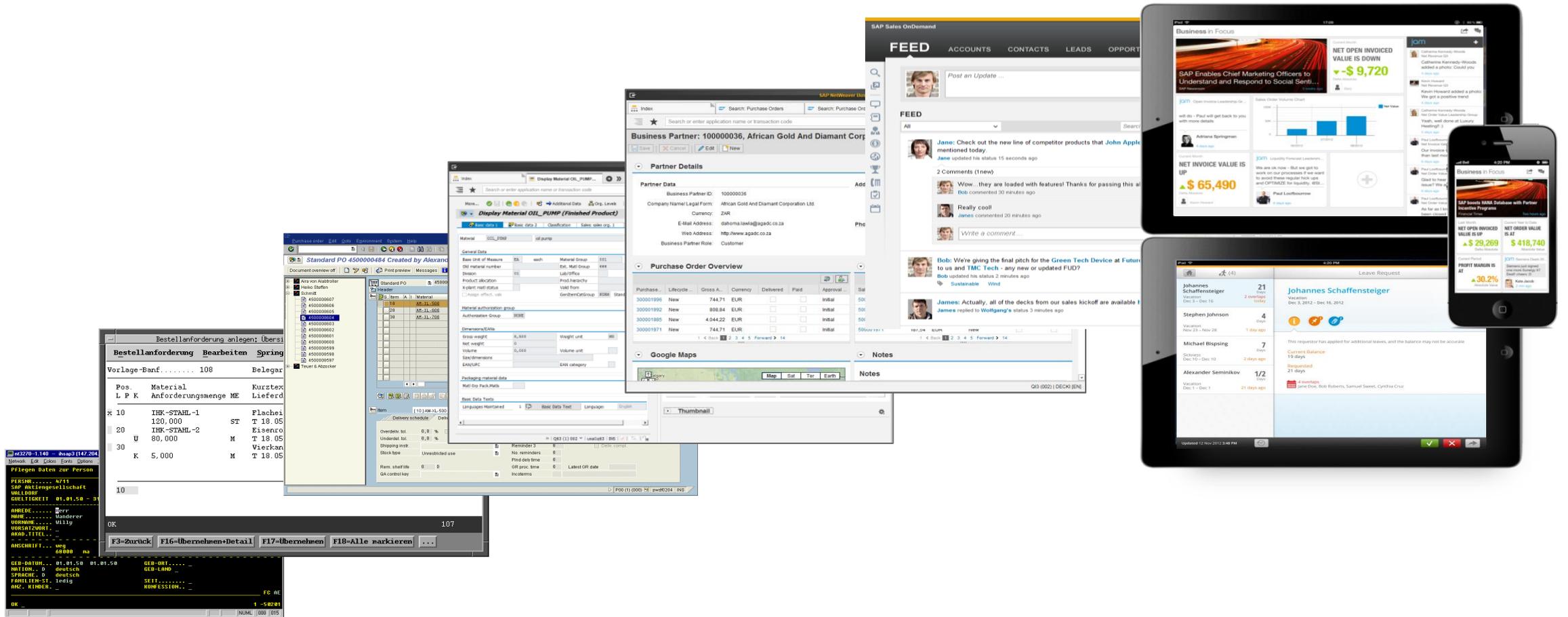
Best Practices

Summary

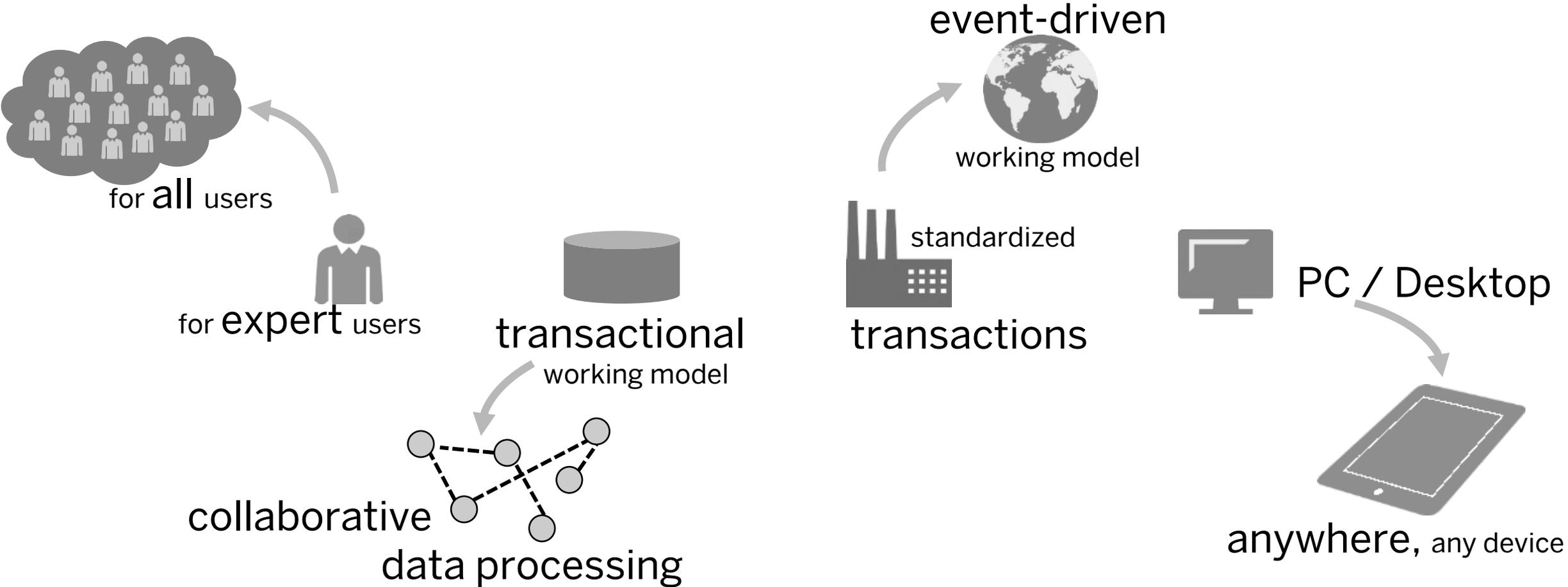
Introduction

SAP User Interfaces

UI evolution



SAP is Changing



Expanding the enterprise experience

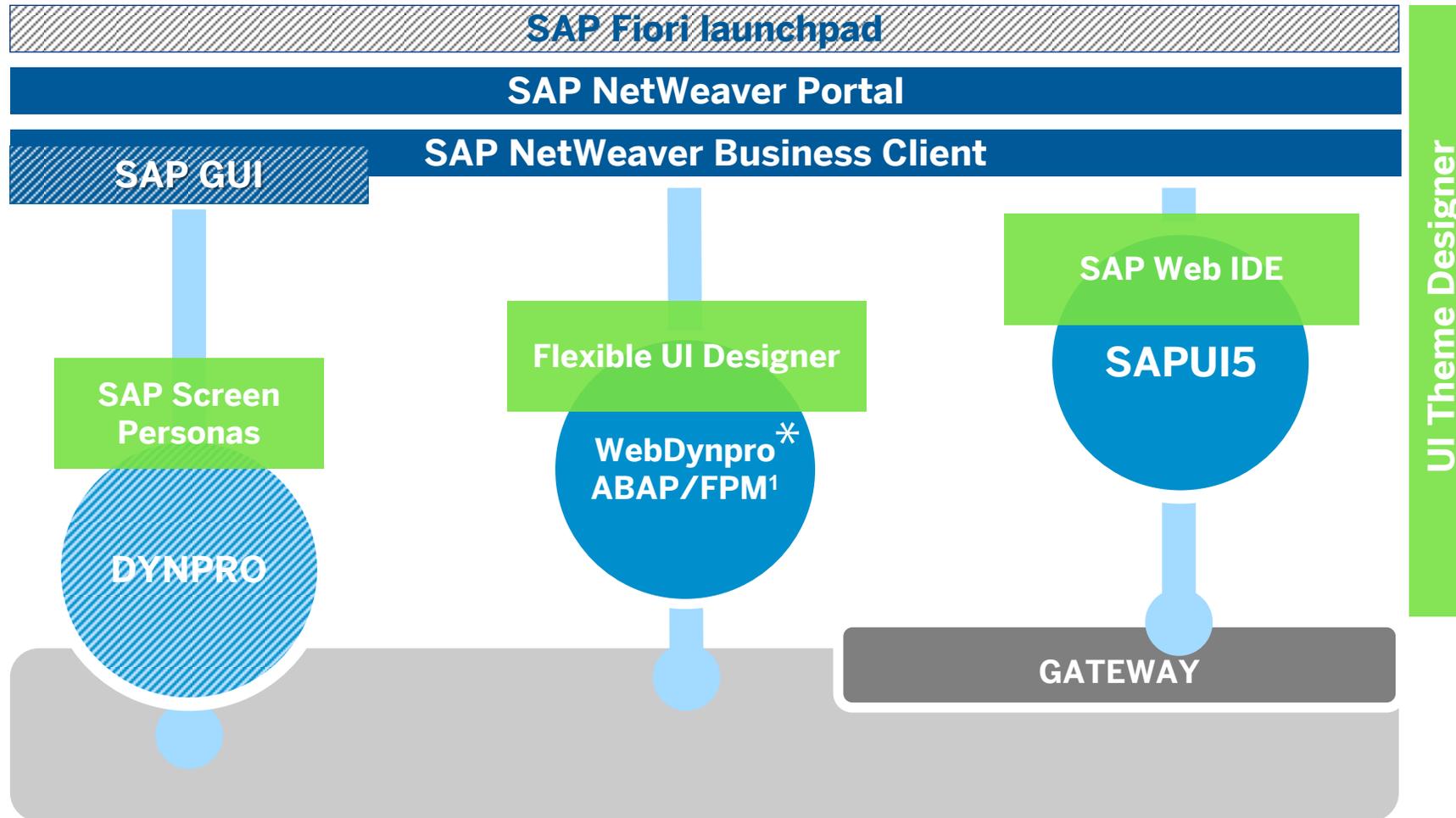
(Key) User Interface Frameworks & Tools

- SAP UI development toolkit for HTML5 (SAPUI5)
- SAP Web IDE (former SAP River Rapid Development Environment)
- Floorplan Manager / Web Dynpro ABAP
- SAP Dynpro
- SAP Screen Personas
- UI theme designer
- Other technologies

SAP's Key UI Frameworks & Tools

The key UI technologies & tools are those which directly support SAP's 'NEW – RENEW – ENABLE' user experience approach.

- UI Clients
- UI Tools
- UI Technologies

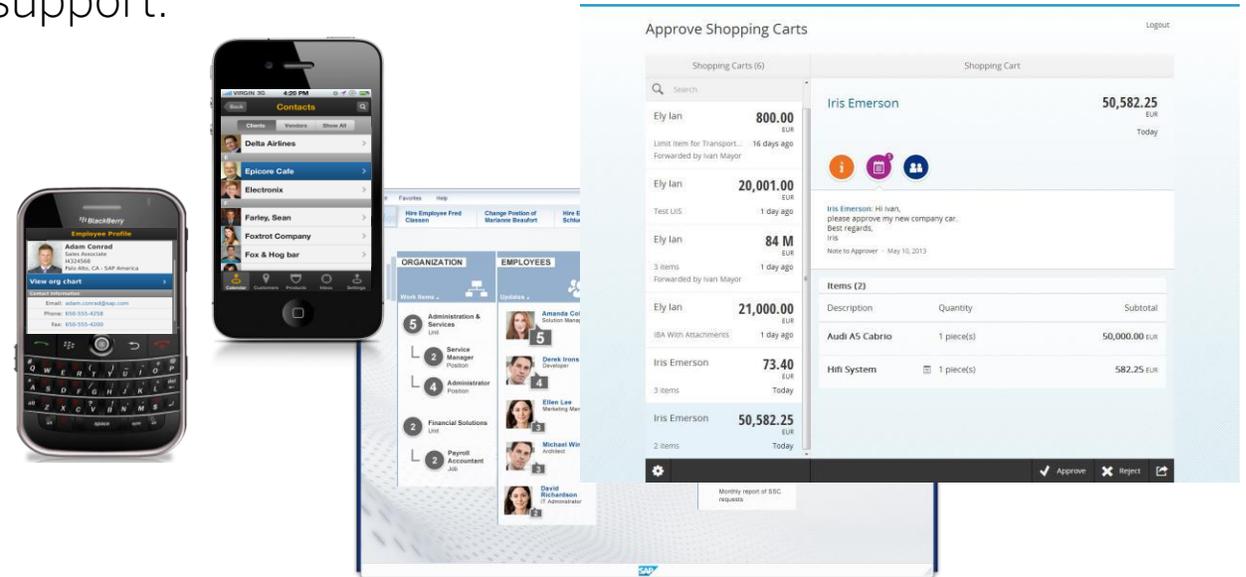


* Harmonized in Run & Design Time with WebUIF, ¹ Floorplan Manager

SAP UI Development Toolkit for HTML5 (aka SAPUI5)

SAPUI5 is HTML5 and Java Script based. It combines openness and flexibility with enterprise readiness and product standard support.

- › Running on any device (Responsive Design)
- › Running on any platform
- › Extensible component model
- › SAP product standard compliant
- › Theming & Branding
- › Open
 - › Based on “Open Source” Framework(s)
 - › Following Web Standards
 - › SAPUI5 is Open Source* : OpenUI5



*: SAP contributes key elements of SAPUI5 to Open Source community:
 **OpenUI5** <http://sap.github.io/openui5/>

SAP Web IDE

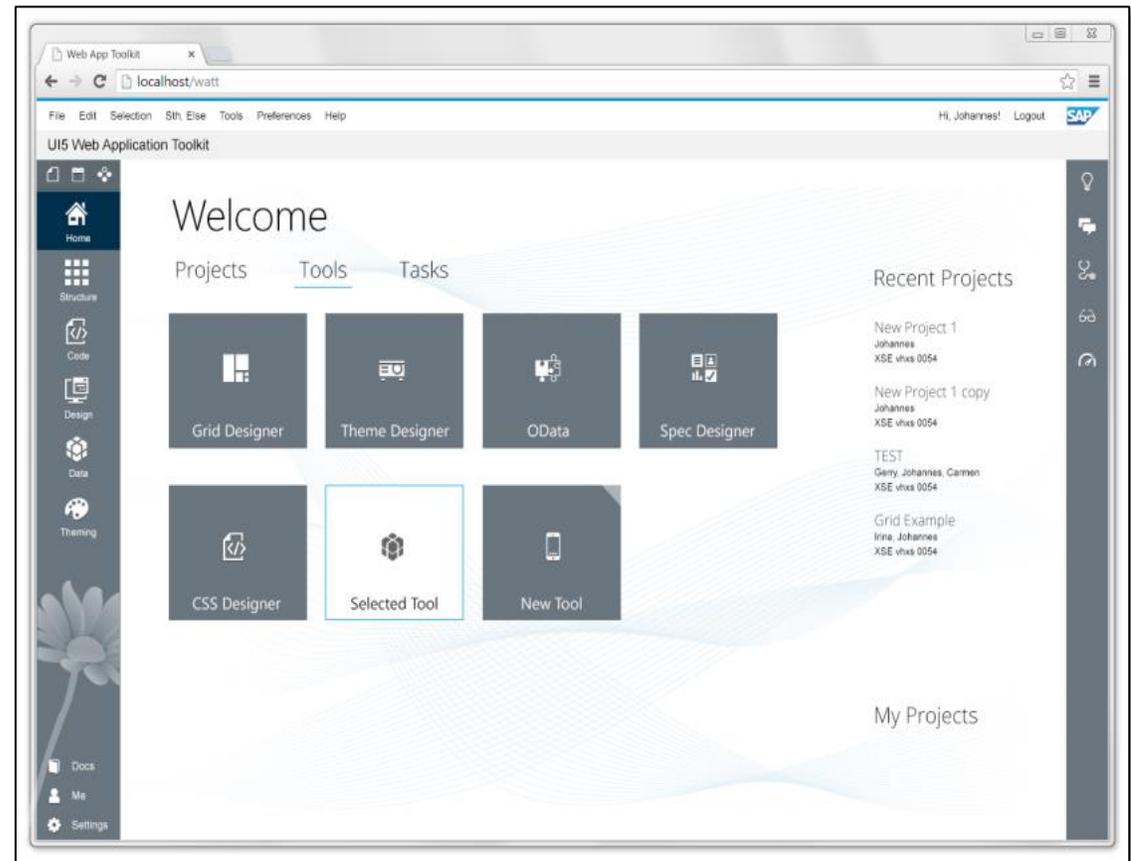
An extensible Web-IDE with a growing set of embedded tools for rapid design, build and deployment of web applications based on SAPUI5.

Benefits

- › Browser-based IDE with zero installation
- › Supporting the E2E application lifecycle
- › Improved developer productivity by offering efficient development tools
- › Targeting developers but also LoB experts and designers

Planned Features

- › Source code, wizards and WYSIWYG editors
- › Application / code templates
- › OData service development and data binding
- › Declarative navigation flow
- › Extensibility support
- › Collaboration support
- › Available on HANA XS and HANA Cloud



Floorplan Manager / Web Dynpro ABAP

Description

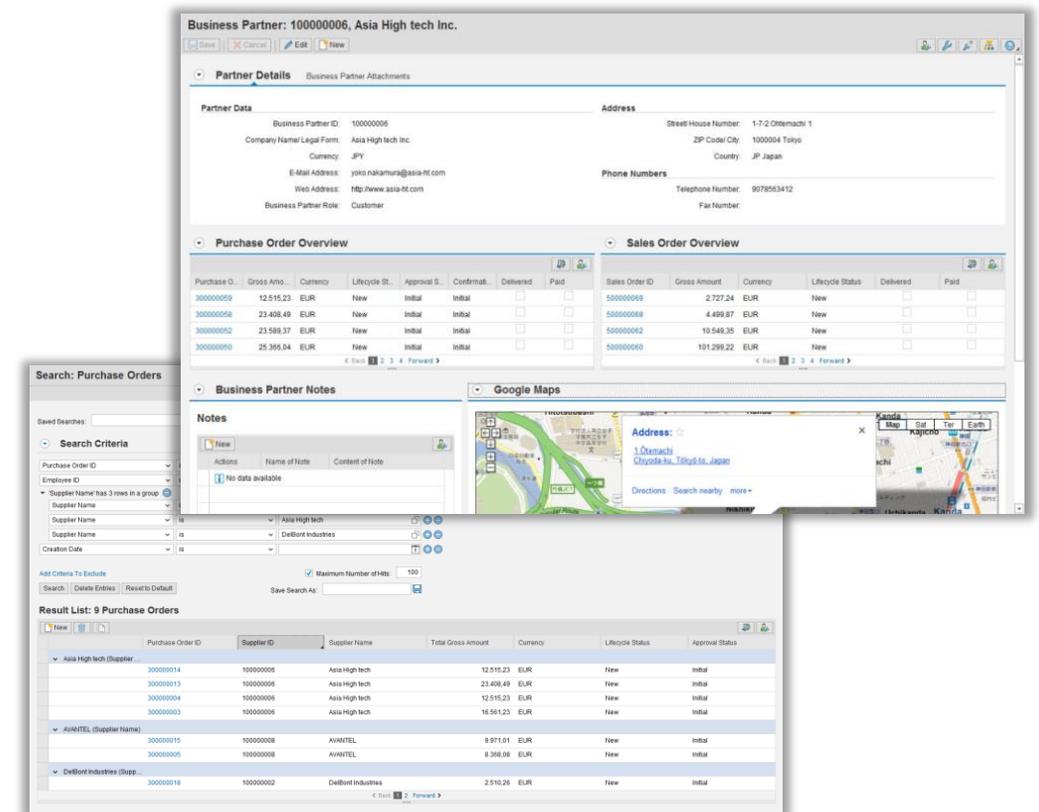
Floorplan Manager (FPM) is a framework for model-based and declarative creation and adaptation of user interfaces. It is based entirely on Web Dynpro ABAP.

Key capabilities

- Application composition using predefined floorplans & building blocks
- Code-free UI configuration, e.g. via flexible UI designer tool (FLUID)
- Modification-free adaptation and extension of UIs as well as end-user personalization
- Coherent and guideline-conforming screen definition, providing product standards support
- Flexibility through island concept

Benefits

- Increased developer efficiency
- Increased flexibility and agility through separation of business logic and UI (timeless software)
- Key technology for SAP Business Suite



FPM in a Nutshell – Basic FPM concepts

The screenshot displays the SAP EPM Sales Orders interface. On the left, a search bar is present above a table of results. The table lists 10 sales orders with columns for Sales Order ID, Company Name, Total Gross Amount, Currency Code, and Sales Order Lifecycle. The second order, 500000002, is selected and highlighted in blue. On the right, the 'Selected Sales Order' details are shown, including the Sales Order ID (500000002), Total Gross Amount (5,631.08 EUR), Total Net Amount (4,732.00 EUR), and Total Tax Amount (899.08 EUR). Below this, the 'Sales Order Items' table is visible, showing 10 items with columns for Actions, SO Item Position, Total Gross Amount, Currency Code, SO Item ATP Status, and Opportunity Item.

Sales Order ID	Company Name	Total Gross Amount	Currency Code	Sales Order Lifecycle
500000000	SAP	25,867.03	EUR	✓
500000001	DelBont Industries	14,602.49	EUR	✓
500000002	TECUM	5,631.08	EUR	✓
500000003	Asia High tech	1,704.04	EUR	✓
500000004	Asia High tech	761.24	EUR	✓
500000005	AVANTEL	101,299.22	EUR	✓
500000006	Talpa	250.73	EUR	✓
500000007	Panorama Studios	10,311.35	EUR	✓
500000008	Telecomunicacio... Star	195.16	EUR	✓
500000009	SAP	3,972.22	EUR	✓
500000010	DelBont Industries	827.95	EUR	✓

Actions	SO Item Position	Total Gross Amo...	Currency Code	SO Item ATP Stat...	Opportunity Item ...
✎	80	28,322	JPY	Initial	
✎	70	117,81	EUR	Initial	
✎	60	404,60	EUR	Initial	
✎	50	117,81	USD	Initial	
✎	40	330,82	RUB	Initial	
✎	30	830,62	EUR	Initial	
✎	20	583,10	ARS	Initial	
✎	10	2,963,10	EUR	Initial	

Basic concepts:

- Construct Web Dynpro UIs
- Transactional Applications
- Floorplans & Patterns
- Configuration & Reuse
- Adaptation & Enhancements
- Modern & Rich UIs
- Big Data & Analytics

FPM in a Nutshell – Floorplans

- General layout & interaction
- Application composition & UI assembly

Overview Page Floorplan (OVP)

The screenshot shows the SAP Overview Page Floorplan (OVP) for a Purchase Order. The interface is divided into several sections: General Data, Processing Data, Dates, Supplier, and Value. The Supplier section displays details for Alpine Systems, including Supplier ID, Street House Number, ZIP Code, City, and Country. The Value section shows financial totals: Total Net Amount (6,562.00 EUR), Total Tax Amount (1,246.78 EUR), and Total Gross Amount (7,808.78 EUR). The Items section is a table with columns for Position, Product ID, Product Name, Description, Quantity, Quantity Unit, Gross Amount, and Currency. The Notes section contains a single note: "EPM DG: PO ID 0300002395 Deliver as fast as possible".

Position	Product ID	Product Name	Description	Quantity	Quantity Unit	Gross Amount	Currency
10	HT-1030	Ergo Screen E-I		2	EA	547.40	EUR
20	HT-1112	Web cam reality		2	EA	92.82	EUR
30	HT-0002	ITeO FlatTop i9100		3	EA	4,280.43	EUR
40	HT-1030	Ergo Screen E-I		2	EA	547.40	EUR
50	HT-1112	Web cam reality		2	EA	92.82	EUR

- Object maintenance & overview
- Highly personalizable
- Rich functionality (Page master & page types)

Guided Activity Floorplan (GAF)

The screenshot shows the SAP Guided Activity Floorplan (GAF) for a Purchase Order. The interface is designed for a step-by-step process, with a progress bar at the top indicating the current step: "Review and Submit" (Step 4). The Supplier section displays details for Angeré, including Supplier ID, ZIP Code, City, and Country. The Value section shows financial totals: Total Net Amount (106.99 EUR) and Total Gross Amount (127.32 EUR). The Items section is a table with columns for Position, Product ID, Description, Quantity, Quantity Unit, Gross Amount, and Currency. The Schedule section displays the Delivery Date (21.07.2014). The Notes section contains a single note: "Deliver as soon as possible".

Position	Product ID	Description	Quantity	Quantity Unit	Gross Amount	Currency
10	HT-1067	Ergo Mousepad	1,000	EA	10.70	EUR
20	HT-1095	Lovely Sound 5.1 Wireless	2,000	EA	116.62	EUR

- Step by step processes
- Roadmap with standard buttons
- Step specific buttons

FPM in a Nutshell – Generic UI Building Blocks (GUIBBs)

- Generic UI patterns, fully integrated into FPM
- Feeder classes & generic access (BOL, BOPF, ...)

The collage displays several key GUIBBs:

- General Data:** A form with fields for Purchase Order ID (300000288) and Employee Responsible.
- Processing Data:** A form with fields for Lifecycle Status (New), Approval Status (Initial), Confirmation Status (Initial), and Delivered (checkbox).
- Association Hierarchy:** A tree view showing relationships between entities like IF_EPM_ADDRESS-IF_EPM_AD...
- Filter:** A complex filter interface with multiple tabs (Attributes, Airline, B/P customer, Passenger Name) and various selection options.
- Table:** A table titled 'Result List: 140 Purchase Orders' with columns for Purchase Order ID, Supplier ID, Supplier Name, and Total Gross Amount.
- Form:** A 'General' form with dropdowns for Purchase Order ID, Employee ID, Supplier Name, and Creation Date.
- Chart:** A pie chart titled 'Gross Amount by Buyer' with a legend listing various buyers like Bionic Research Lab, PicoBit, etc.
- Map:** A map showing a geographical area with various locations and roads.
- Mobile Devices:** A row of icons representing different mobile devices and their corresponding UI adaptations.

Form & Form Repeater

- Pixel-perfect alignment
- Flexible layouts
- Dynamic control

List & Tree

- Smooth scrolling
- ABAP Table Services

Search & Filter

- Select Options & Saved Searches
- Attribute Filter

Modern Controls

- Charts based on CVOM
- Maps based on VisBiz
- Carousel based on SAPUI5

Dynpro-based front end technologies – SAP GUI family

Description

SAP GUI is SAP's universal client for accessing SAP functionality. All three members of the SAP GUI family have unique attributes that make them especially suited for different user environments

Key capabilities

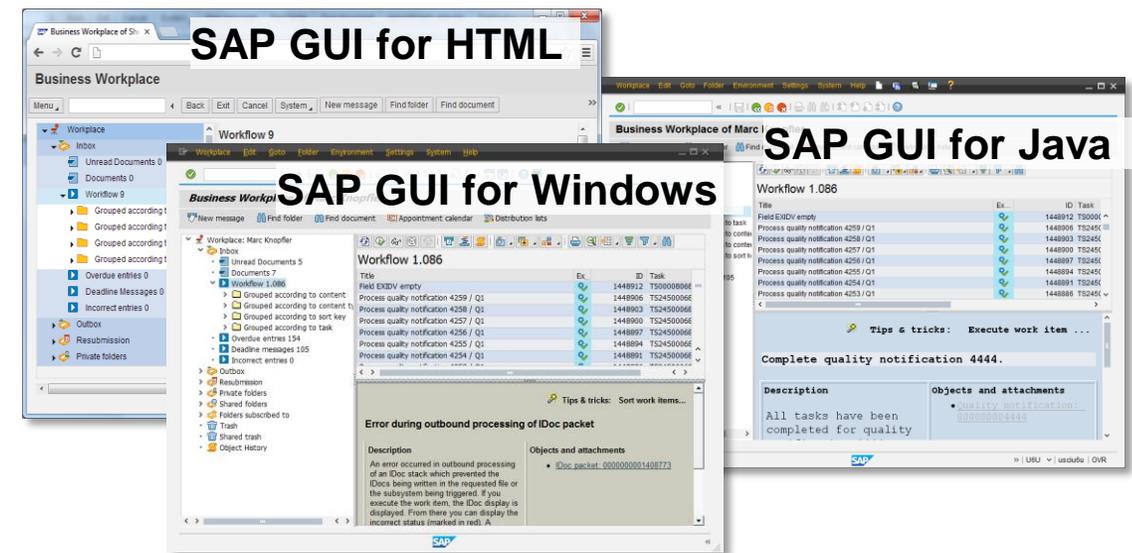
- Graphical user interfaces for all SAP applications based on Dynpro technology
- Separation of user interface and application logic
- Support for various environments (WTS, browser,...) and operating systems

Benefits

- High performance and user interactivity
- Fully compatible with all supported SAP NetWeaver releases
- Seamless integration into nearly all environments

Note

- The SAP GUI family is and will be maintained according to SAP's support level agreements. It will continuously receive focused new investments
- Continue using applications based on SAP GUI as well as developing own applications or adding enhancements to existing applications is absolutely safe
- Following SAP's UX strategy SAP GUI is not a key UI technology for SAPs developers to build completely new applications; here SAP recommends to use Web Dynpro ABAP/ Floorplan Manager (WebClient UI framework for CRM applications) or SAPUI5. However SAP continues to extend existing Dynpro-based applications with this technology



SAP Screen Personas

Description

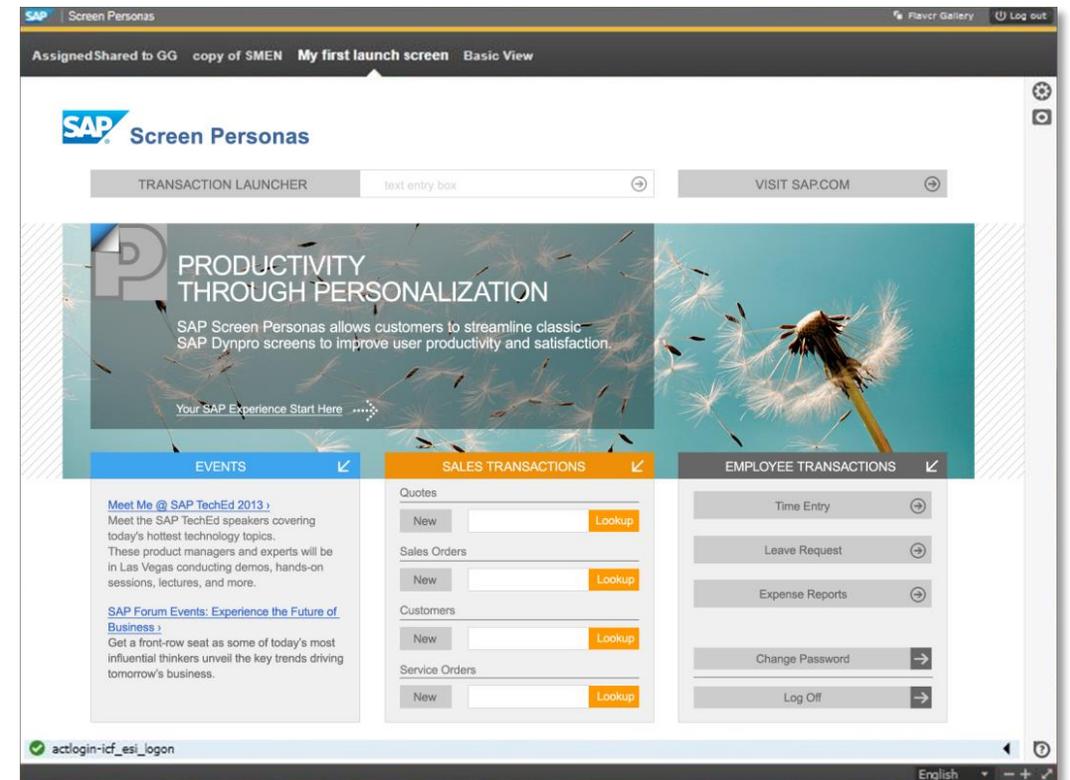
SAP Screen Personas allows companies to improve user productivity through personalization of their SAP ERP screens.

Key capabilities

- Streamline business processes by providing only the essential screen elements and data to complete transactions faster and more accurately through fewer data entry fields and reduced scrolling
- Automate repetitive tasks and simplify complex screens through pre-filled fields and pull-down menus, which help the user save time on data entry

Benefits

- Improve business user productivity
- Increase SAP adoption by making screens easier to use
- Enhance user satisfaction
- Reduce the cost of personalization
- Decrease training time for SAP users with intuitive screens.



UI Theme Designer

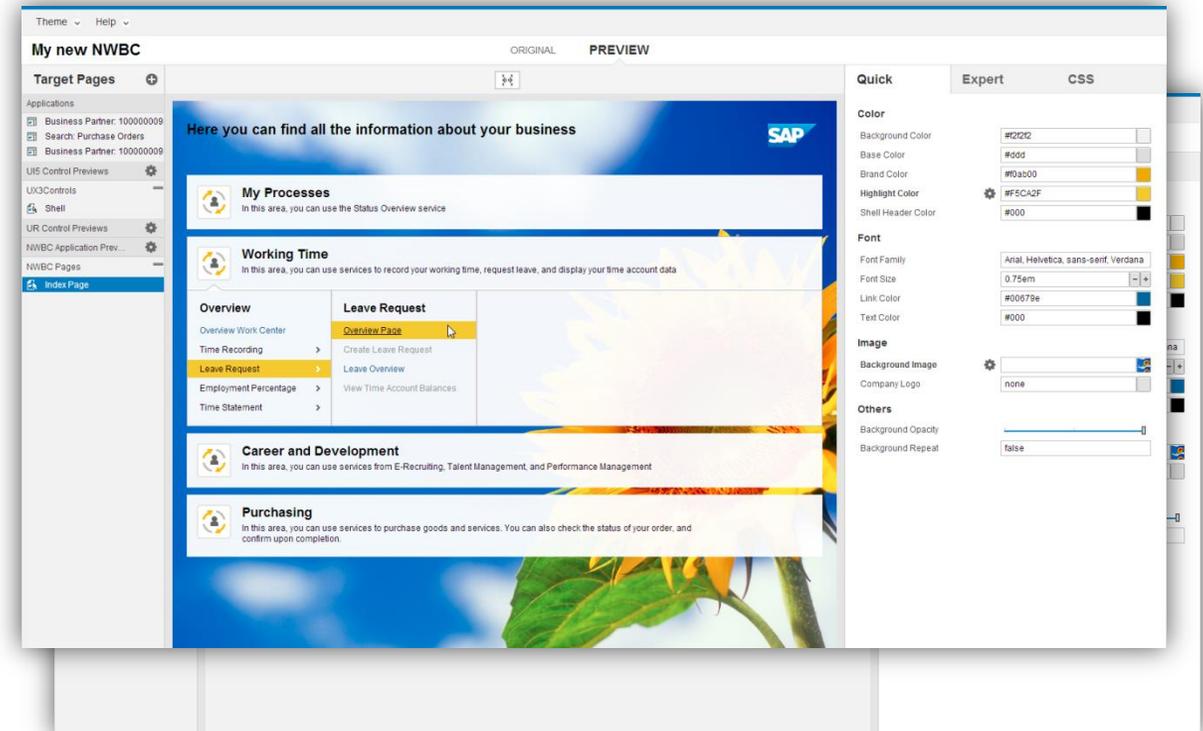
SAP's new UI theme designer becoming one single tool for theming and branding of SAP's key user interfaces.

Key capabilities

- › graphical web-based WYSIWYG editor for controls as well as applications (preview)
- › CSS3 and LESS support
- › quick & expert theming
- › external editing and custom CSS possible
- › enabled for SAPUI5 and UR (additional will follow)
- › runs on SAP NetWeaver AS ABAP, SAP NetWeaver Portal and plain web servers

Benefits

- › increased user happiness
- › increased theming efficiency
- › low TCO through availability also via SAP HANA Cloud



Visual Business / Visual Enterprise

Visual Business

Benefits

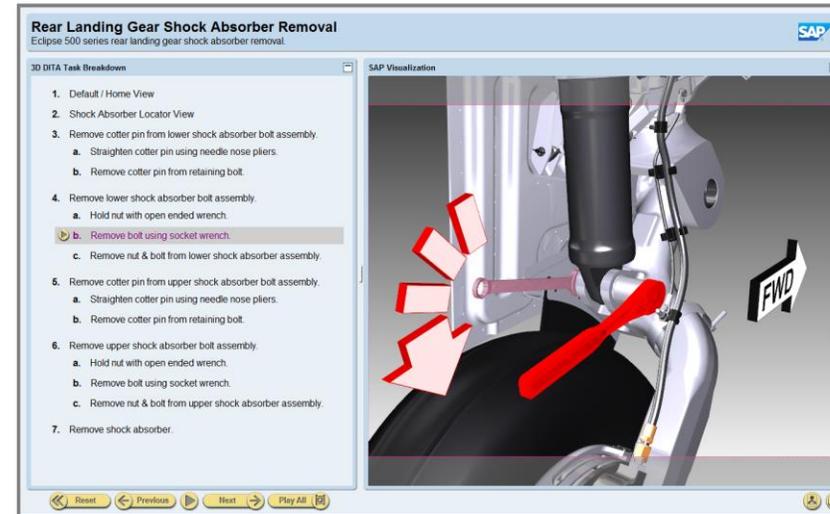
- Provide greater transparency across the enterprise by aggregating and integrating information on one screen
- Visualize internal & external systems in real-time



Visual Enterprise

Benefits

- Enables better and faster decision making
- Improves productivity and process efficiency by providing visual navigation and query of product information and graphical animation of procedures

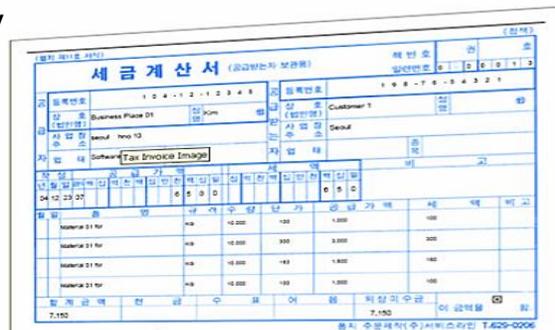
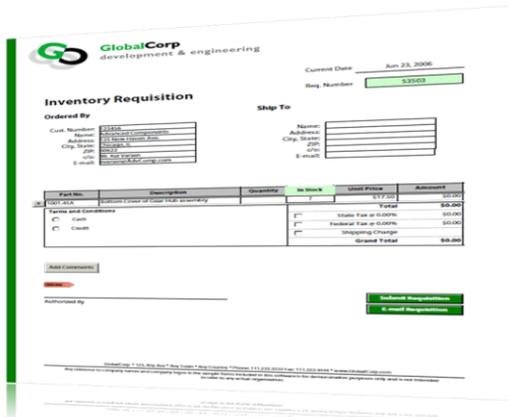


SAP Interactive Forms by Adobe / CRM WebClient UI Framework

SAP Interactive Forms by Adobe (IFbA)

Key capabilities

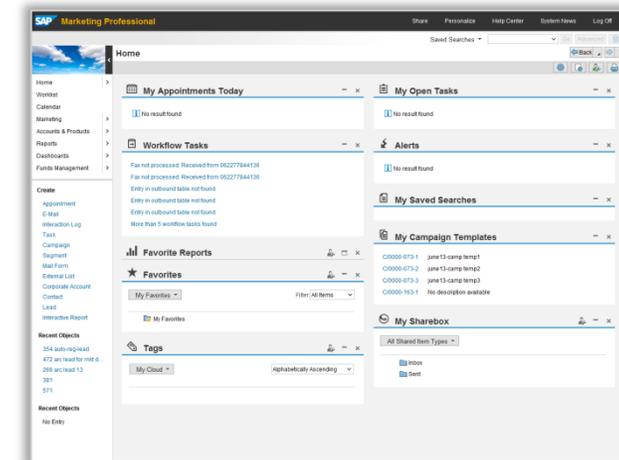
- Online and offline scenarios supported
- Can be distributed by email / portal
- Can be printed and saved locally
- Full standard Adobe Reader functionality
- Integration in SAP workflows
- Self-explanatory (paper-like)
- High number of predefined forms



CRM WebClient UI Framework

Key capabilities

- Open and flexible UI framework
- Simple but flexible UI configuration
- Custom fields, tables and views
- UI and data mash-ups
- Consistency across all CRM applications
- Tailoring to user group needs via business roles



SAP Gateway for Microsoft Description

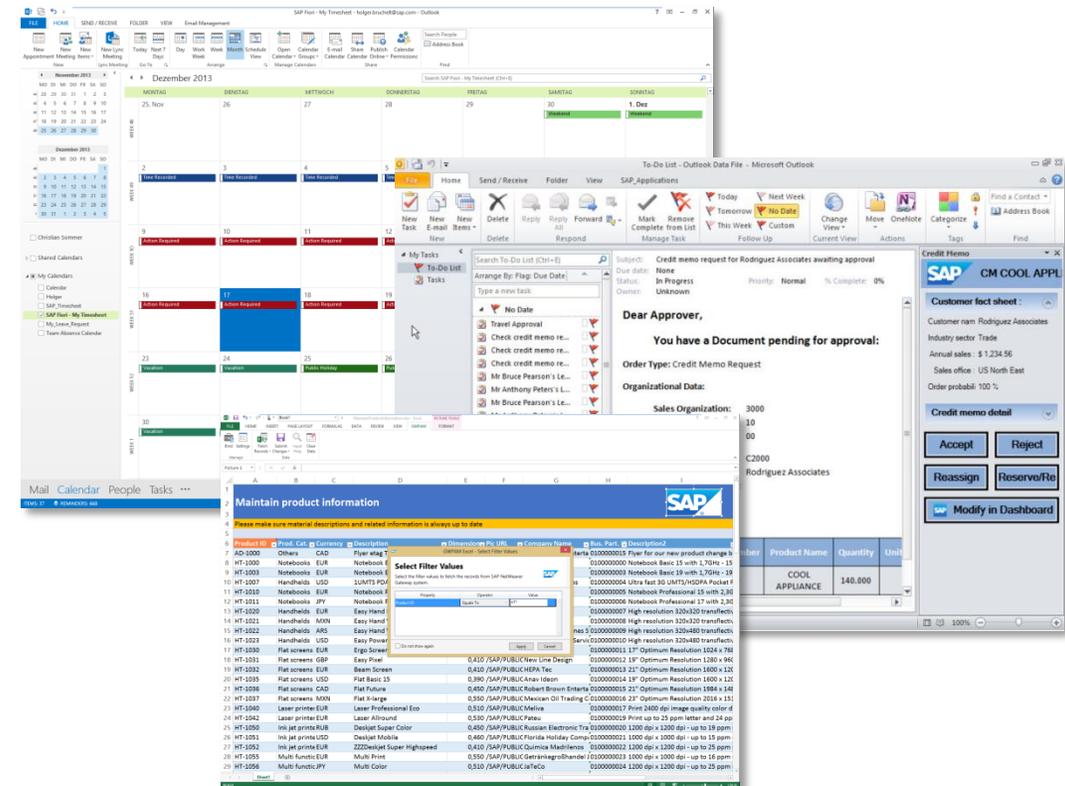
SAP Gateway for Microsoft is an interoperability framework that enables IT to securely integrate SAP and Microsoft technologies in a non-disruptive, scalable, and sustainable manner

Key capabilities

- Enterprise ready integration supports Single Sign On and SAP Solution Manager integration (e.g. end-to-end tracing, ...)
- Provides developer templates for commonly used scenarios (e.g. Outlook Workflow integration) and enables the generation of SAP specific services in any .NET application.
- Delivers out-of-the-box Excel integration to allow mass update / create processes of SAP data directly from Microsoft Excel
- Ability to consume and extend SAP Fiori services in Microsoft environments

Benefits

- Optimize the investments in Microsoft and SAP by providing a bridge that brings the two worlds together
- Use of the already-familiar Microsoft Visual Studio environment with SAP data extensions and a build-in developer toolkit
- Lower TCO by employing a secure, integrated environment to replace costly point-to-point solutions



User Interface Clients

- SAP GUI
- SAP NetWeaver Business Client
- Portal
- FLP

UI Client & Integration Topics

Topic overview

Coherent user experience across multiple technologies and frameworks UI integration is key. It starts with offering the user one consolidated entry point via a shell and raises the need for consistent UI services.

SAP GUI

- Offers access to SAP Dynpro basec applications

SAP NetWeaver Business Client

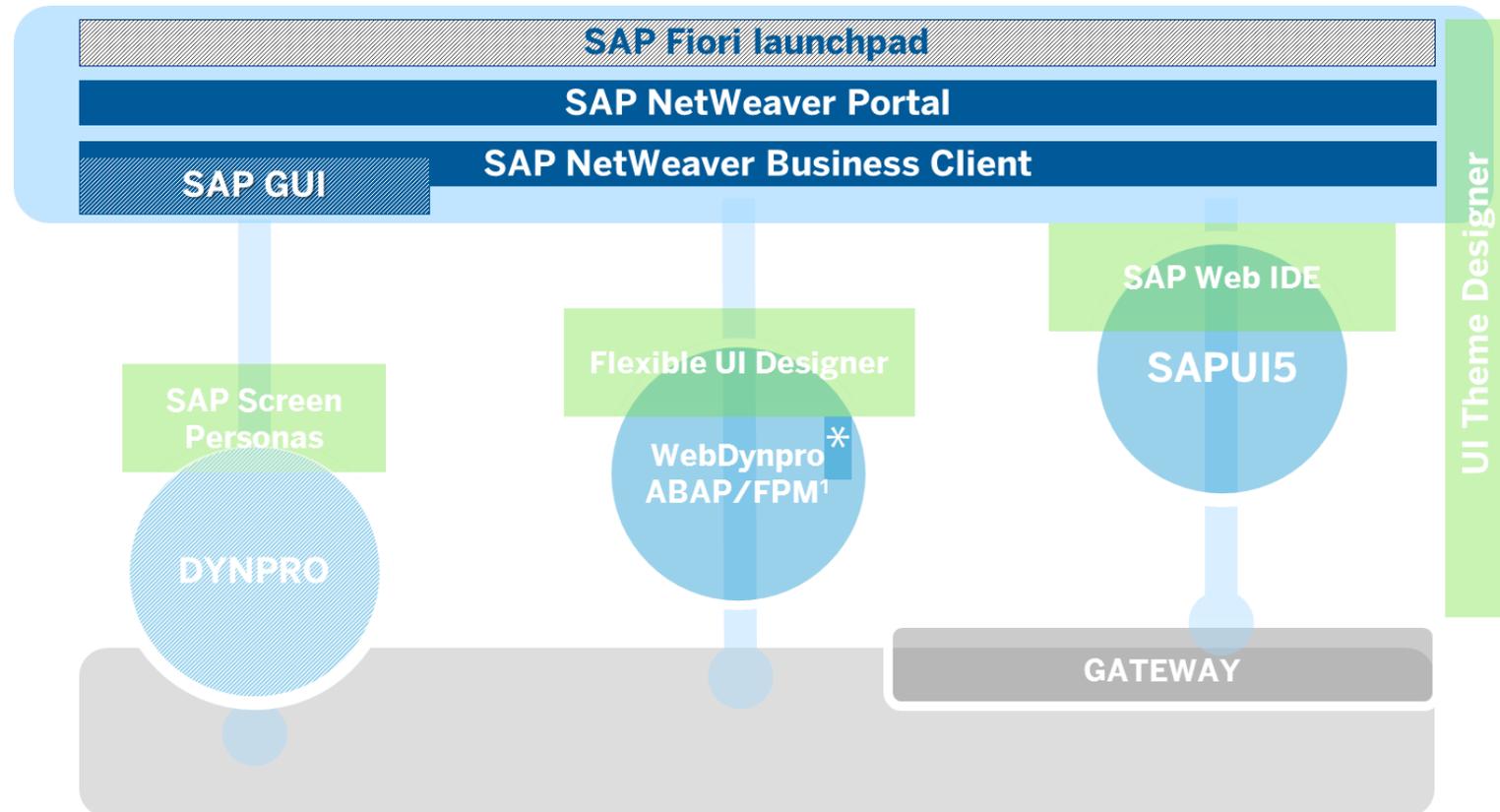
- Offers harmonized access to SAP applications

SAP Enterprise Portal

- Offers on premise and cloud solutions

SAP Fiori Launchpad

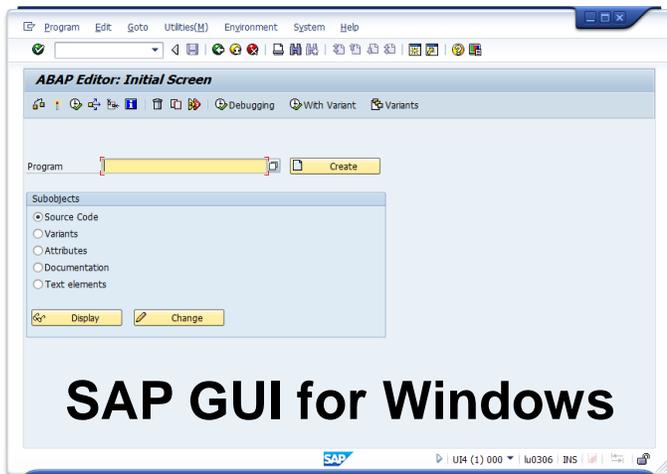
- Offers SAP Fiori specific solutions



Members of the SAP GUI Family

The SAP GUI Family consists of 3 clients. The SAP GUI for Windows, the SAP GUI for HTML (which runs on the Internet Transaction Server) and the SAP GUI for Java.

Today we will only cover the SAP GUI for Windows



SAP GUI for Windows 7.40

New Visual Design “Blue Crystal”

- SAP Blue Crystal is a new visual design theme which succeeds Corbu. It provides a consistent, responsive design that allows users to seamlessly experience the SAP GUI and NWBC elements. The background texture has a stroke pattern in white and light blue with a gradient layer.

Simpler Service Landscape

- SAP Service Landscape unifies the persisted connection and connection configuration Data from SAP GUI for Windows, SAP GUI for Java and NWBC in a modern and easier way through one single XML file. There are no more split configuration files for the different SAP GUIs like sapmsg.ini, entries in the windows services file or saplogon.ini.

SAP GUI for Windows / NetWeaver Business Client Integration

- SAP GUI for Windows can be embedded into NWBC, so the user has one shell that unifies both frontends. One desktop/taskbar icon consolidates NWBC and SAP GUI sessions, tasks, frequently used links etc. in a tabbed view NWBC frame.

SAP Screen Personas support

- Personas is a rendering engine for classic SAP Dynpro screens. It provides consumer-grade personalization features that enable IT professionals, key-users and end-users to simplify existing business application screens quickly and easily in order to improve the visual appeal, productivity, and performance of SAP.

SAP NetWeaver Business Client for desktop – side panels

Description

Side panels provide context information to ERP transactions via reusable chips. Available chips include context related reports, master data details, 3D visualizations, social media integration, etc.

Key capabilities

- Increased efficiency for expert users, faster decision making and data entry
- Modification free enhancements by customer and partners
- Low TCO: consumption without system upgrade possible

Benefits

- ~ 1600 ERP transactions enabled with SAP EhP6 for SAP ERP 6.0
- ~ 200 reusable chips available

The screenshot displays the SAP NetWeaver Business Client interface with several side panels:

- Reports:** A 'Customer Overdue Analysis' report showing a bar chart with values 27526 and 283132. Below it is a 'Customer Due Date Forecast' and a 'Customer Balance: Totals' report with a bar chart showing values like 329018, 539916, 208858, 330958, and 330958.
- Application details:** A 'Customer Data Details' panel for customer 'ACZ Systems Ltd' with fields for Name, Language Key, Country, Postal Code, City, Street, PO Box, Vendor, Head office, Alternative payer, Clearing with vendor, Payment terms, Account at customer, and User at customer.
- Social media:** A 'StreamWork Activities' panel showing a list of activities with columns for Name, Owner, and Date.
- Visual Enterprise integration:** A 3D model of a mechanical part, labeled 'Visual Enterprise' and 'SAP Visual Enterprise Viewer'.

* Desktop version only

Product portfolio for SAP Portal

Innovations for on premise, cloud, mobile and in-memory

SAP Portal portfolio delivers a flexible SAP HANA-based, enterprise-wide UI aggregation hub for on-premises and cloud scenarios with innovative user experience.

- **SAP HANA Cloud Portal:** Flexible portal platform as a service (pPaaS) for building attractive business sites, extending on-premises and cloud scenarios (e.g. SAP Cloud for Service, SAP SuccessFactors Employee Central extensions) across devices
- **SAP Enterprise Portal:** Proven user experience platform leveraging SAP HANA platform, unifying access to business information, services and apps (SAP or 3rd party)
 - **Mobile Portal:** End-to-end, personalized mobile entry point and user experience to quickly access content and applications (incl. SAP Fiori)
 - **Enterprise Workspaces:** User productivity for individuals and teams
 - **SAP Portal Site Management by OpenText:** Professional WCM for SAP Portal

Benefits

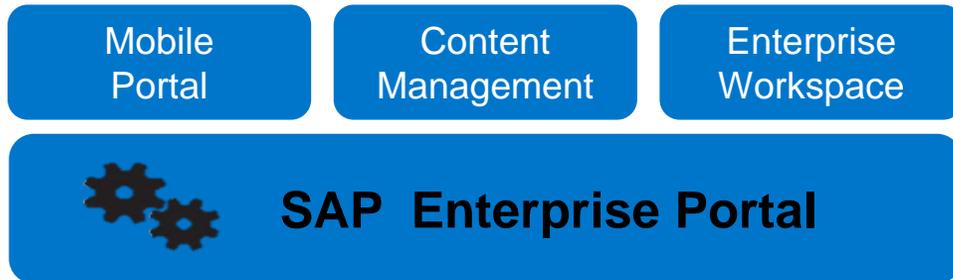
- Increase user productivity across consumption channels (desktop / mobile)
- Customize the user experience (theming / branding)
- Implement secure, professional intranet and extranet scenarios
- Reduce TCO through flexibility with on premises or cloud deployment



Product portfolio for SAP Portal

Providing innovative solutions for on premise and cloud-based portal scenarios

On Premise



SAP Enterprise Portal

Proven, secure, mobile-ready user experience platform enabling users to centrally access enterprise assets including portal content, business applications and analytics on SAP HANA

Mobile Portal

Multi-channel, role-based entry point to consume portal services from any device, anytime

SAP Portal Content / Site Management by OpenText

Professional solution for content, document and web site management optimized for SAP Enterprise Portal

Related product road map available on Service Marketplace (Road Maps → Product & Solutions Roadmaps → Database & Technology)

- SAP Enterprise Portal and SAP HANA Cloud Portal

Cloud



SAP HANA Cloud portal

Accelerate time-to-value and increase business agility through cloud-based portal platform as a service solution (pPaaS)

Easily create attractive cloud-based business sites in corporate design and consume on desktop / mobile devices

Supporting pure cloud and extension scenarios for on premise

Open platform for securely integrating content and services (SAP and non-SAP sources) via custom widgets

Portal deployment and consumption options

The right solution for your business scenarios

On Premise



SAP Enterprise Portal

- Full control over deployment (hardware / OS platform)
- Full flexibility for customization and extensions
- Individual sizing

Managed Cloud



SAP HANA Enterprise Cloud

- SAP Enterprise Portal on enterprise-class managed cloud environment
- Combine mission critical operations with simplicity and cloud elasticity
- Managed services and infrastructure

Public Cloud



SAP HANA Cloud Portal

- Flexible and scalable portal platform as a service offering
- Fast time to value with regular updates
- Easy integration with on-premise landscape and cloud applications

SAP Fiori launchpad

Description

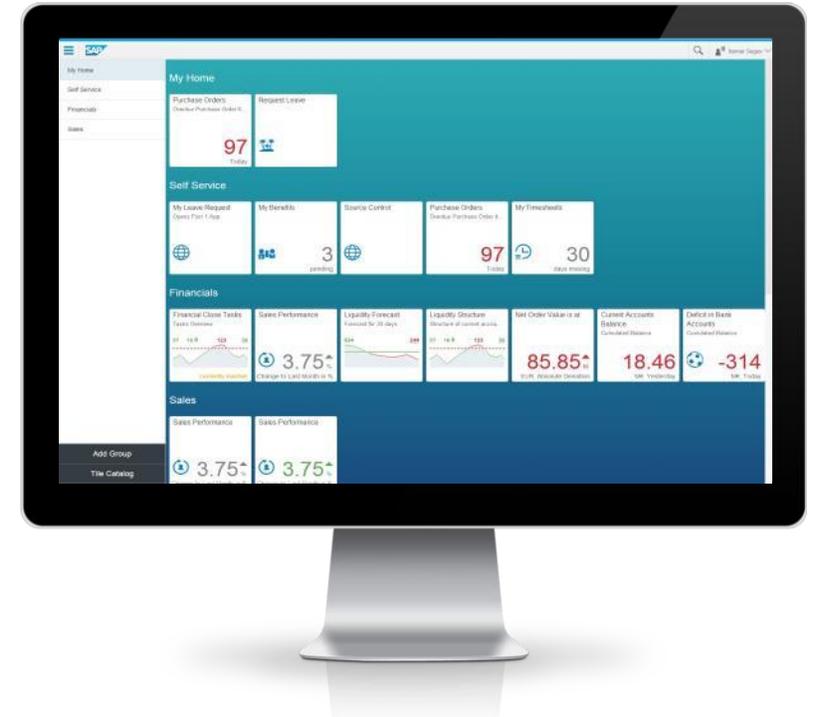
SAP Fiori launchpad is a role based, personalized, real-time and contextual aggregation point for business applications and analytics. It is designed according to the simple and intuitive SAP Fiori user experience, while supporting established UI technologies.

Key capabilities

- Supports multiple platforms and devices (using responsive design paradigm)
- Role based with preconfigured home page content
- People aware via personalizable content, easy bookmarking and collaboration capabilities
- Context aware through contextual navigation and suggestion of relevant follow up actions
- Fast and easy navigation
- Search across documents and apps
- Support of established UI technologies
- Theming and branding via UI theme designer
- Open and extensible

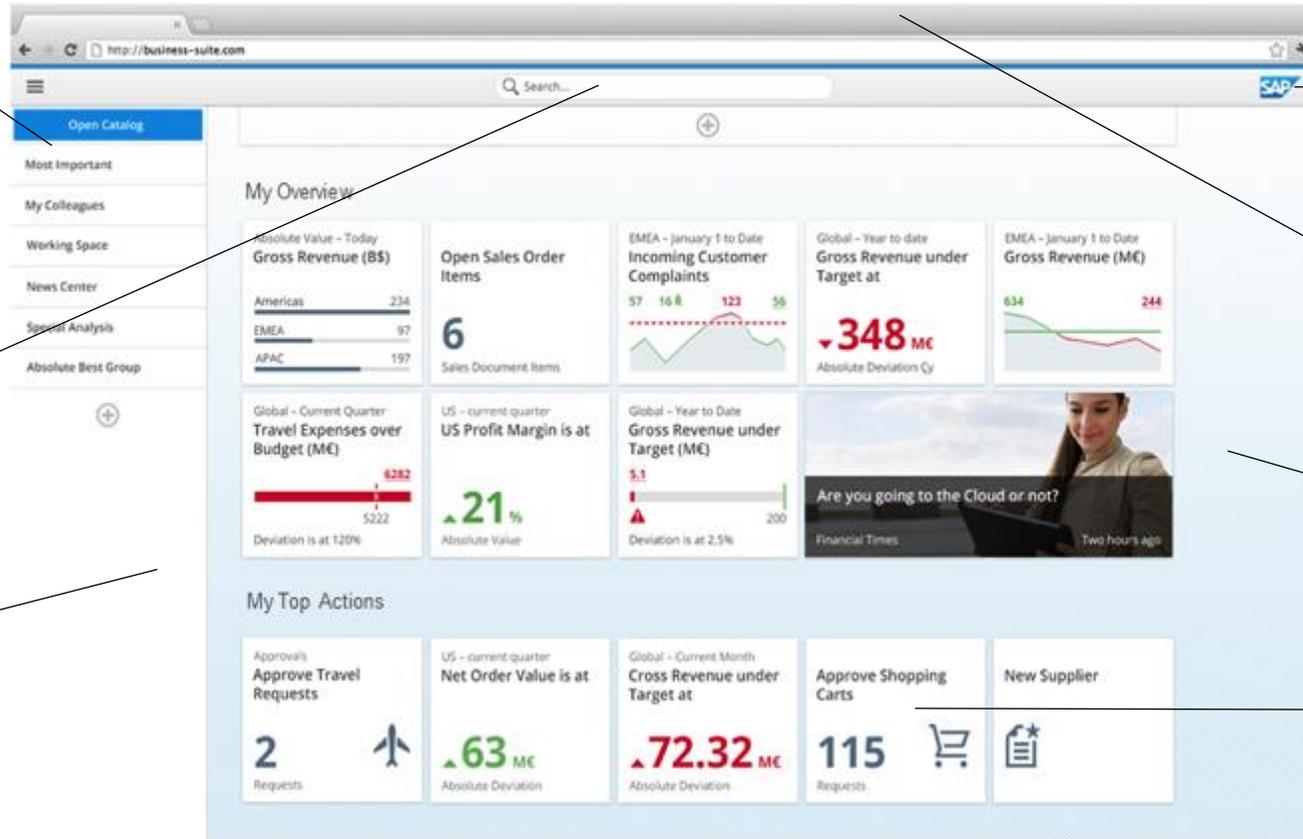
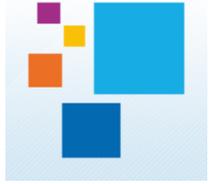
Benefits

- Simplified, personalizable single point of access drives user productivity and agility on multiple devices



Fiori Launchpad

One entry point for the user



Role based & persona centric

Search, collaboration and feeds in first wave

Multiple Devices

Theming and branding Personalization

Stable URLs for bookmarking and sharing

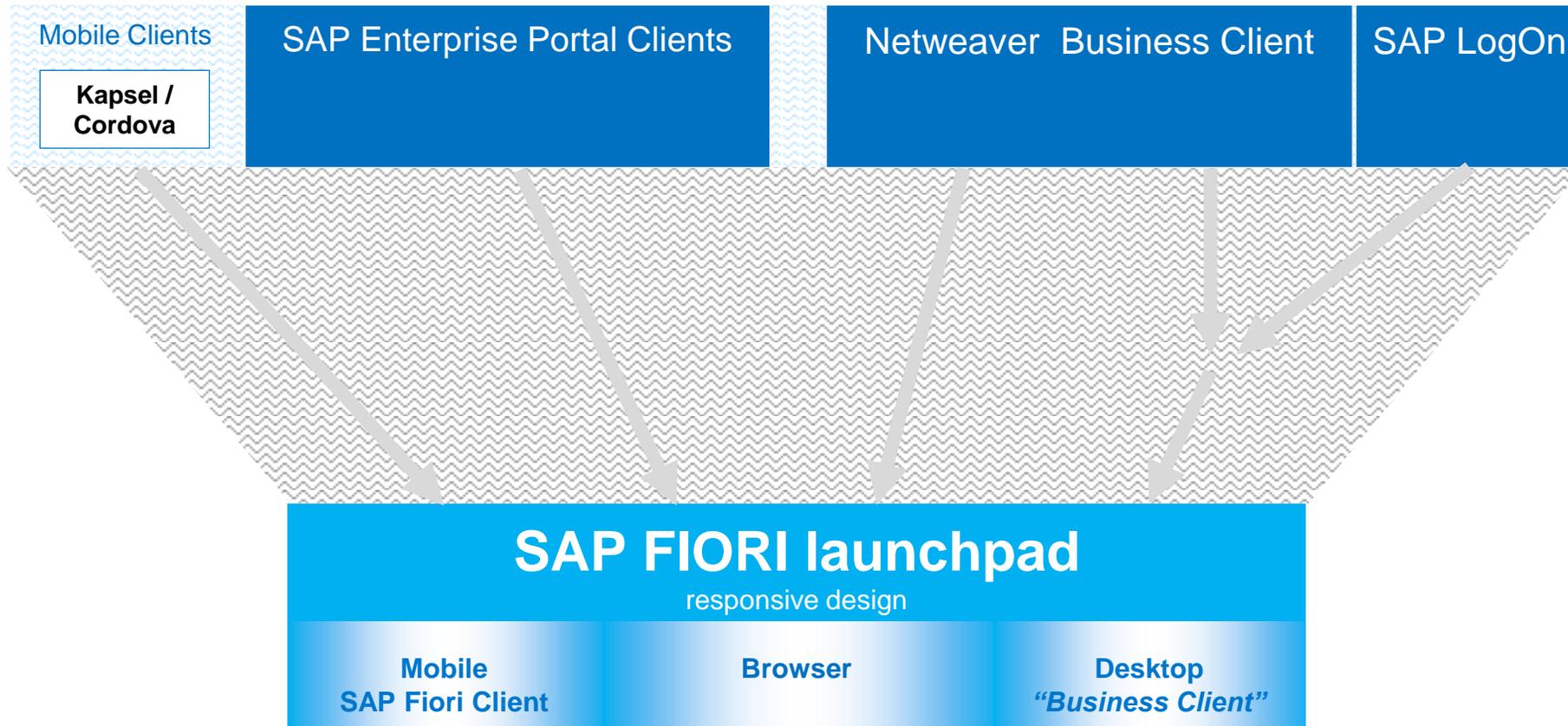
Multiple Platforms

SAP Fiori Active Tiles, Provides the most impactful real-time information and KPIs at a glance

Future Direction:

Web-based entry point for SAP Business Applications across platforms and devices

Outlook

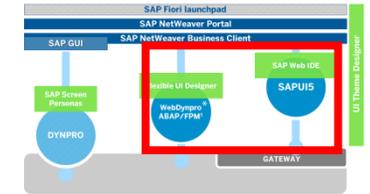


This is the current state of planning and may be changed by SAP at any time.

Best Practices

Comparison of Key UI Technologies

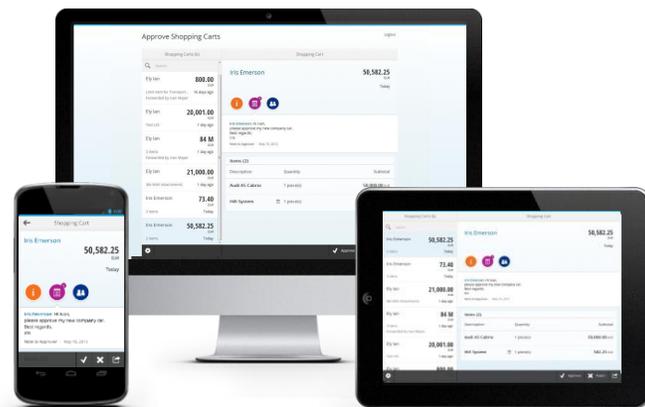
SAPUI5 and Floorplan Manager (FPM)



SAPUI5 and FPM for WDA are SAPs recommended UI technologies for developing new UIs.

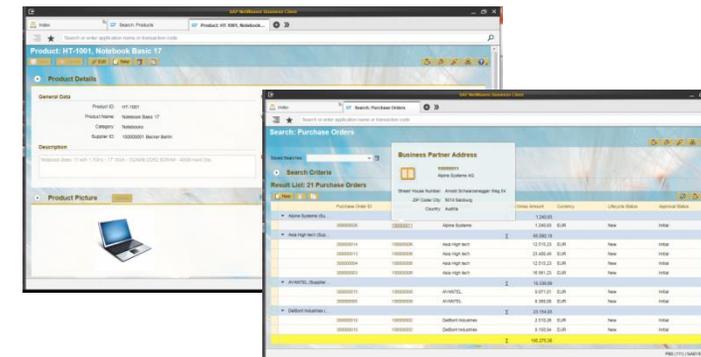
SAPUI5 - Pixel Perfect UI's

- › Fiori & Light weight apps
- › Mobile & Desktop
- › Pixel perfect
- › Open Web Standards
- › Stateless
- › Fully decoupled UIs



FPM* for Web Dynpro ABAP

- › Functional rich applications
- › Desktop usage
- › Consistent UIs based on floorplans
- › Stateful
- › Data creation & maintenance



* Harmonized in Run & Design Time with WebUIF

SAPUI5 and WDA/FPM

Development Skill Set



WDA / FPM

Programming Language	<ul style="list-style-type: none">› HTML5, JavaScript, CSS3, (jQuery)	<ul style="list-style-type: none">› Web Dynpro ABAP› ABAP / ABAP OO
Data Provisioning	<ul style="list-style-type: none">› ODATA/Gateway, JSON, XML, RFC, customer specific models	<ul style="list-style-type: none">› BOL, BOPF, SPI
Developer Profile	<ul style="list-style-type: none">› <u>Web Developer</u> <p>Focus on standard web development and strictly decoupled UIs for multiple channels (desktop, tablet, mobile)</p>	<ul style="list-style-type: none">› <u>ABAP Developer</u> <p>Focus on development efficiency for ABAP backends</p>

› Development Skills discussion on SCN:

<http://scn.sap.com/community/developer-center/front-end/blog/2013/05/22/what-sapui5-and-fiori-tells-us-about-the-future-of-ui-development-for-abapers>

When to Use What?

NWBC vs. SAP GUI standalone vs. SAP Portal



- Do your end users work mainly on SAP GUI?
- **AND** do your end users work on Mac / Linux?
- OR Do you (plan to) use SAP Screen Personas extensively?

SAP GUI alone

- Do your end users work with SAP GUI?
- **AND** do your end users work on Windows?
- **AND** do you have <50 SAP Screen Personas transaction flavors?

NWBC + SAP GUI



- Do your end users require a classic "Portal" – e.g. intranet, extranet, collaboration, content management?
- Do you have a heterogeneous system landscape?

SAP NW Portal

- Do your end users work mainly on Business Suite systems?
- Do you have a homogeneous landscape - mainly ABAP and on Premise?

NWBC+SAP GUI

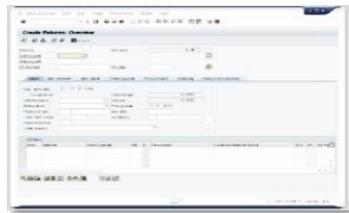


SCN blog and discussion – simply search for:
[When to use NWBC](#)

UI Integration Topics

SAP user interface clients for desktop & browser

SAPLogon / SAP GUI ¹

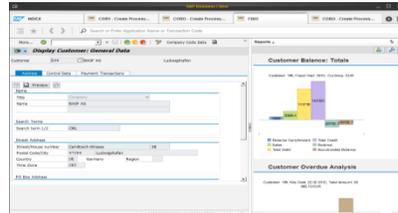


Windows Browser

Key attributes

- Classic transaction launcher
- Menu-based access
- Desktop integration

SAP NetWeaver Business Client



Windows Browser ²

- Successor to SAPLogon/SAP GUI stand-alone
- Role-based access
- Integration of web UI technologies
 - Web Dynpro
 - Side panel
 - SAPUI5
- Configurable entry pages

SAP Enterprise Portal Client



Windows Browser

- Portal platform for intranet/extranet (on premise and cloud)
- Support for “Mobile Portal” scenarios
- (Web) content management
- Calls SAP GUI for HTML
- Role-based access
- Collaboration
- Branding/theming

Typical use cases

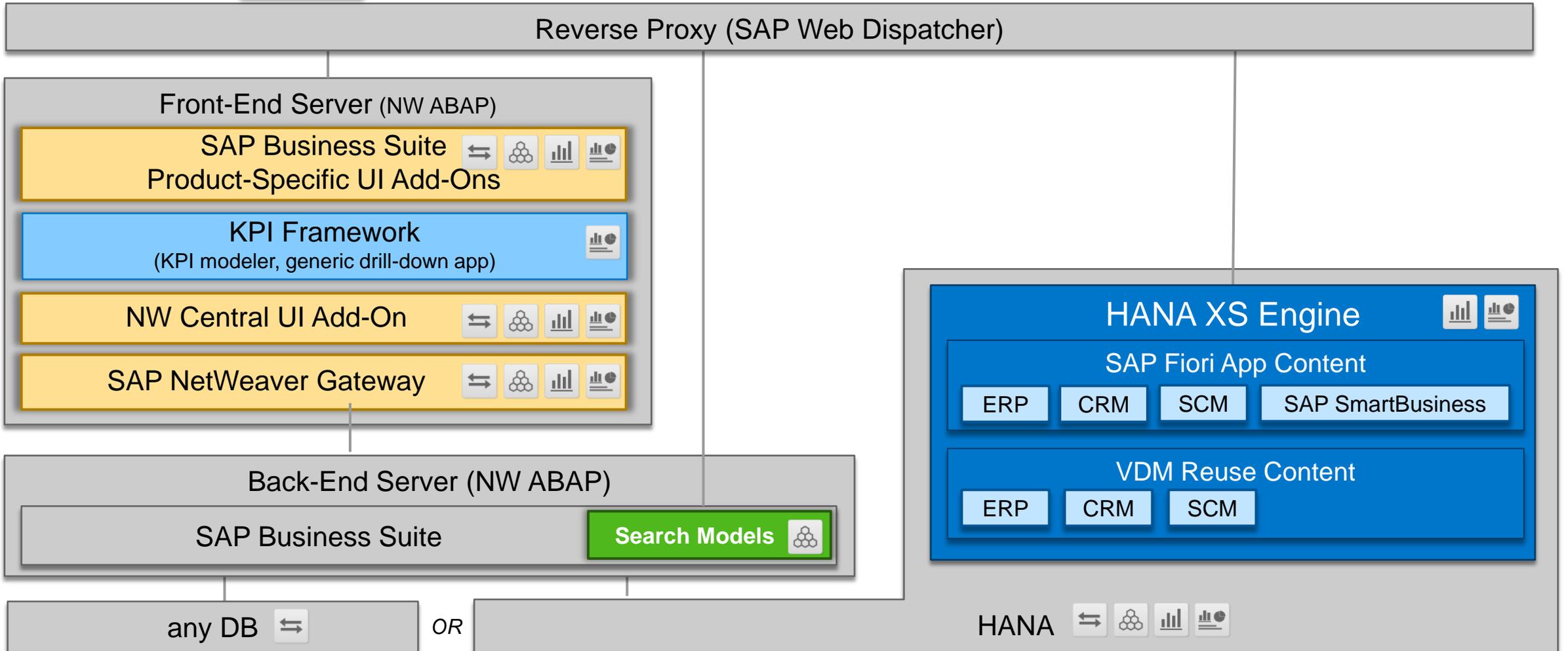
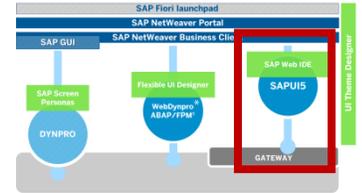
- ABAP environment
- Focus on Dynpro transactions

- Mainly ABAP environment
- Focus on multiple UI technologies
- Access to one main system
- Casual access to other systems

- Heterogeneous environment
- Focus on multiple UI technologies
- Focus on portal-like scenarios
- Access to a large set of systems

¹ Stand-alone ² With limited functional range

SAP Fiori with SAPUI5: High-Level Architecture



SAP browser support*

Relevance for SAP user interface technologies

Future developments in the web browser space directly relate to SAP's user interface technology strategy as most SAP user interfaces are web-based.

Examples are user interfaces realized with SAPUI5, Floorplan Manager / WebDynpro ABAP, WebClient UI framework and more.

Google Chrome

Internet Explorer

Firefox

Safari

* More details on browser Product Availability Matrix <http://service.sap.com/pam>

SAP browser support*

Product road map overview – key themes and capabilities

Desktop Browser Support

Internet Explorer

- IE6 – IE9
- IE10/IE11 Desktop

Firefox

- Extended Support Release Cycle (recommended)
- Rapid Release Cycle

Safari

- Safari 6 for Mac OS 10.8
- Safari 7 for Mac OS 10.9

Google Chrome

- Support of NW 7.02, 7.30, 7.31, 7.40

Mobile Browser Support

iOS, Android

- SAPUI5 mobile libraries (with Blackberry Z support)
- SAP Fiori
- Mobile Portal

Conditional iOS Tablet Support

- WDA/FPM
- CRM WEBUIF
- SAPUI5 desktop libraries

Internet Explorer, Firefox, Safari, Chrome

- Support of new versions
- Safari 7 for Mac OS 10.9 (under investigation)

Today

Planned Innovations /
Future Direction

* More details on browser Product Availability Matrix

This is the current state of planning and may be changed by SAP at any time.

SAP desktop browser support policy



SAP Vendor-Synchronized Policy

- Valid for Internet Explorer, Firefox, Chrome and Safari desktop versions
- SAP supports new browser versions at the same time as the browser vendor* (exception: Safari**).
- SAP supports a released desktop browser version as long as it is supported by the vendor.
- SAP proactively tests new browser versions and delivers fixes in the current available SPS***.
- SAP provides updates for new browser versions as soon as possible.
- SAP publishes support exceptions, restrictions and required support packs in the Product Availability Matrix.

* Note: Information about the browser support for individual SAP products like ERP, CRM, SRM, SCM might differ from NetWeaver and is available in the corresponding Product Availability Matrix.

** SAP intends to support a new Safari version within 3 months from general availability.

*** or next SPS if not feasible.

SAP mobile browser support policy



Supported SAP Components

- SAPUI5 for Mobile Applications Runtime (with NW 7.40 or NW UI Add-On)
- SAP Fiori
- Mobile Portal (with Mobile Framework Page)

Support via Reference Devices

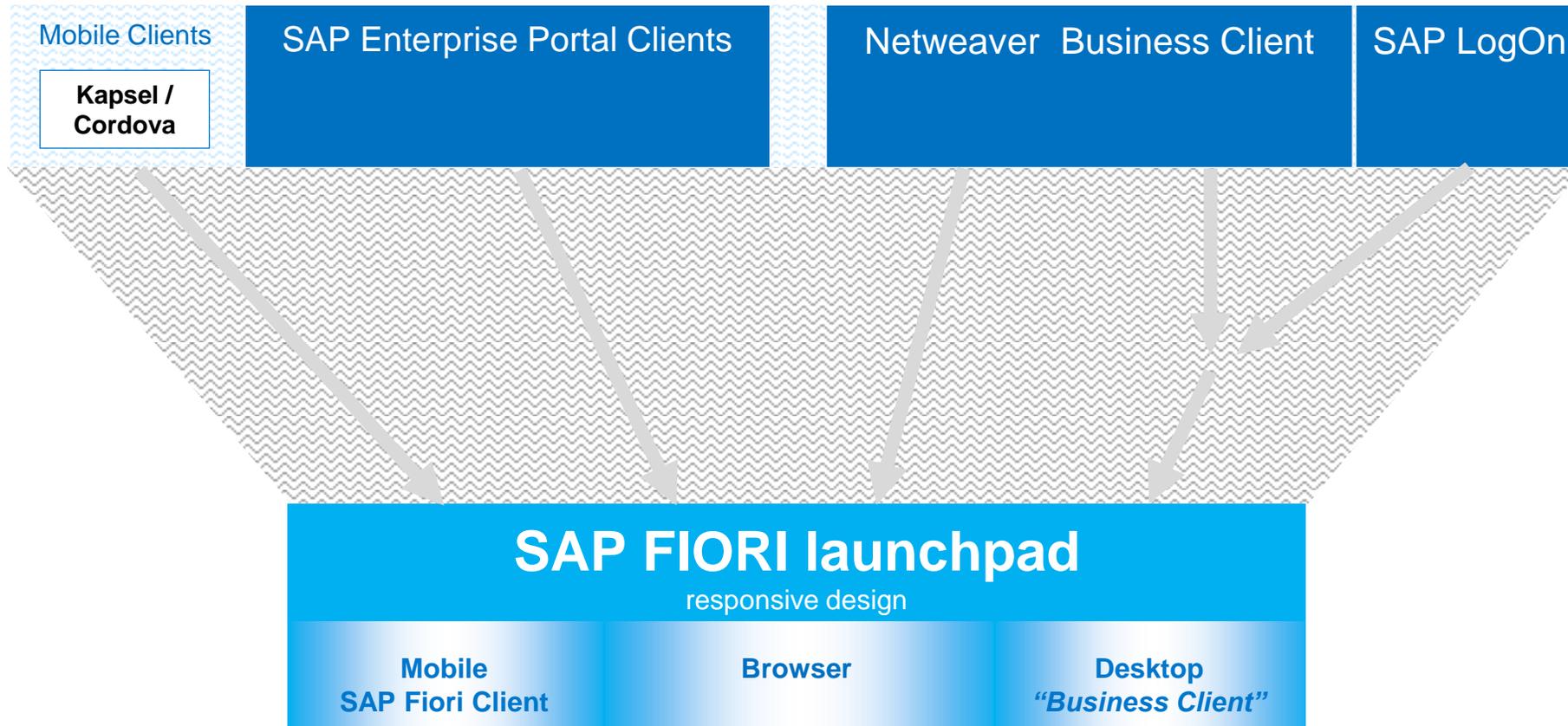
- Apple iPhone/iPad, Samsung Galaxy S3/S4/Tab and Blackberry Z10 with vendor browsers
- Support cases must be reproducible on these **reference devices**.
- Support time span: mobile device versions (e.g. iPhone 4) are supported for 2-3 years from vendor release date (can be extended).
- SAP publishes exceptions, restrictions and required support packs in the Product Availability Matrix.
- For details see note 1716423 and 1853087.

Summary

Future Direction:

Web-based entry point for SAP Business Applications across platforms and devices

Outlook



This is the current state of planning and may be changed by SAP at any time.

Overview of UX features per Business Suite EhP

	Business Suite 7.0									Note
	EhP 0	EhP 1	EhP 2	EhP 3	EhP 4	EhP 5	EhP 6	EhP 7		
SAP Fiori	Transactional Apps									Suite on HANA
Side Panels	Side Panel Server / Limited Chip Set					PLM				Side Panel Server for EhP < 6
NW Portal										
NWBC Desktop 4.0										
Corbu Design										
Entry Pages										Created via Page Builder
Visual Enterprise										Former Right Hemisphere
Lanes										HCM Add-on for EhP6, Gateway
SAP Jam Integration										
Floor Plan Manager										
SAP Screen Personas										Kernel 7.21 or higher required
Mobile Solutions										SMP, Gateway, ...

Recommendations for customers

1 UNDERSTAND SAP UX Strategy & Roadmap

2 DEFINE and EXECUTE Customer specific UX strategy

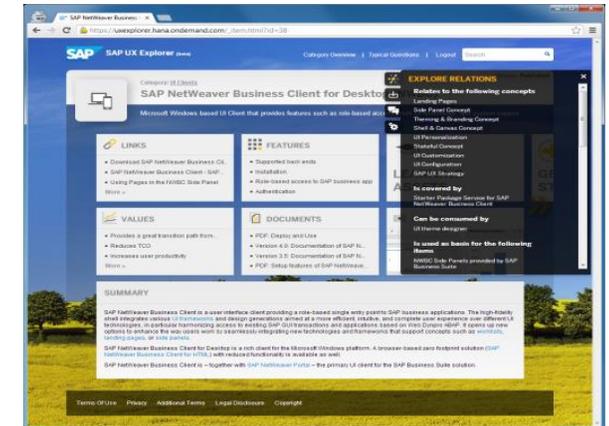
- Understand Users & Scenarios
- Investigate NEW and RENEW solutions
- Evaluate ENABLE solutions
- Build knowledge from SAP resources
- Follow SAP UI technology strategy

Refer to:

- [SAP Business Suite Road Map for User Experience](#)
- sapsolutionbrowser.com
- sapimprovementfinder.com
- uxexplorer.hana.ondemand.com
- experience.sap.com

3 LEVERAGE SAP's UX Design Services

<https://experience.sap.com/designservices>





Thank you



Michael Falk
Director Product Management
SAP User Interfaces

michael.falk@sap.com



Dr. Johannes Wasserfall
Vice President
Usability@Suite Program
On-Premise Suite

johannes.Wasserfall@sap.com

Fiori Overview

Where to find
additional information?

SAP Product Road Maps

SAP Service Marketplace Roadmaps

(<http://service.sap.com/roadmap>)

- Product and solution road maps
 - Line of Business
 - Procurement
 - Supply Chain

- Product and solution road maps
 - Cross Topics
 - Cross Product
 - SAP User Interface Technologies

The screenshot shows the SAP Service Marketplace interface. The top navigation bar includes the SAP logo and the slogan "The Best-Run Businesses Run SAP". Below this, there is a navigation menu with "SAP Service Marketplace" and a dropdown menu containing "Products", "Industries & Solutions", "Improvements & Innovations", "Early Adoption", "Customer Involvement", and "Services & Support". A user profile for "Johannes Wasserfall, D020891" is visible in the top right corner. The main content area is titled "SAP Road Maps" and contains a "Quick Link" to "http://service.sap.com/roadmap". Below this, there are two columns of text: "Product and solution road maps" and "Implementation road map". The "Product and solution road maps" section explains that solution road maps focus on business solutions and processes, while product road maps describe feature and function capabilities. The "Implementation road map" section mentions "ASAP Methodology". At the bottom of each column are orange buttons with arrows pointing right, labeled "Product and solution road maps >" and "Implementation road map >" respectively.

SAP Fiori Design Guidelines

SAP Fiori Design Guidelines Beta Contact Us

SAP Fiori
Fiori Design
Launchpad
App Framework
Controls
Patterns
Application Types
UI5

SAP Fiori Design Guidelines

Keeping Simple Things Simple

SAP Fiori

Fiori Design

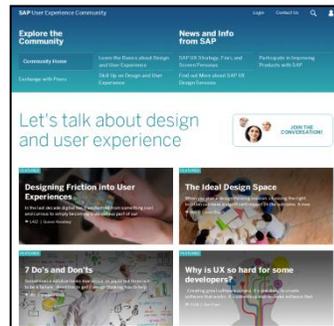
SAP Fiori focuses on a simple and consistent user experience on many devices. This section introduces the design philosophy which all SAP Fiori apps are based on.

Additionally, a prototyping kit provides you with templates for various controls and patterns. Using those stencils allows you to easily create UI mock-ups in Microsoft PowerPoint.

<https://experience.sap.com/fiori-guidelines>

Further UX related Information Sources

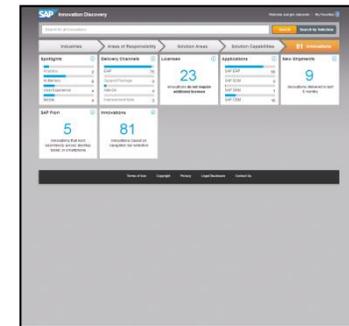
SAP UX Community <http://experience.sap.com>



SAP UX Explorer <http://sap.com/uxexplorer>



SAP Innovation Discovery <https://service.sap.com/innovation-discovery>



Type of Service

Community

Self-service

Self-service

Availability

Everyone

Everyone

SAP Customers and Partners

Main focus

- User experience & design
- Usability & design methods
- SAP UX strategy

- SAP UI technologies
- Customer UX strategies

- Innovations in SAP applications
- UX innovations in SAP applications

Main target audience

- IT & business experts interested in design
- Designers and UX professionals

- IT decision makers
- IT architects
- UX developers & consultants

- Business decision makers
- Business experts & architects
- Application experts, key users & consultants

SAP d-code Virtual Hands-on Workshops and SAP d-code Online

Continue your SAP d-code education after the event!

SAP d-code Virtual Hands-on Workshops

- Access hands-on workshops post-event
- Starting January 2015
- Complementary with your SAP d-code registration

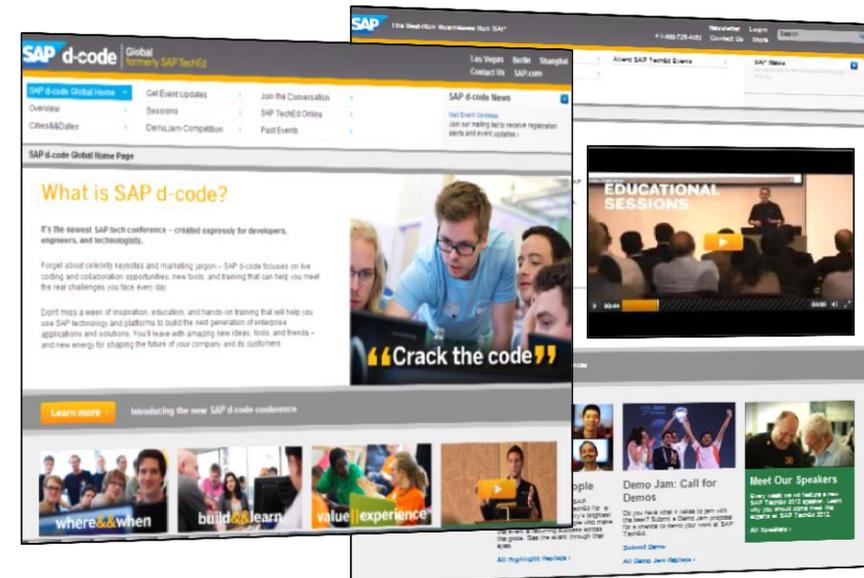
<http://sapdcodehandson.sap.com>



SAP d-code Online

- Access replays of keynotes, Demo Jam, SAP d-code live interviews, select lecture sessions, and more!
- Hands-on replays

<http://sapdcode.com/online>



Further Information

SAP Public Web

scn.sap.com

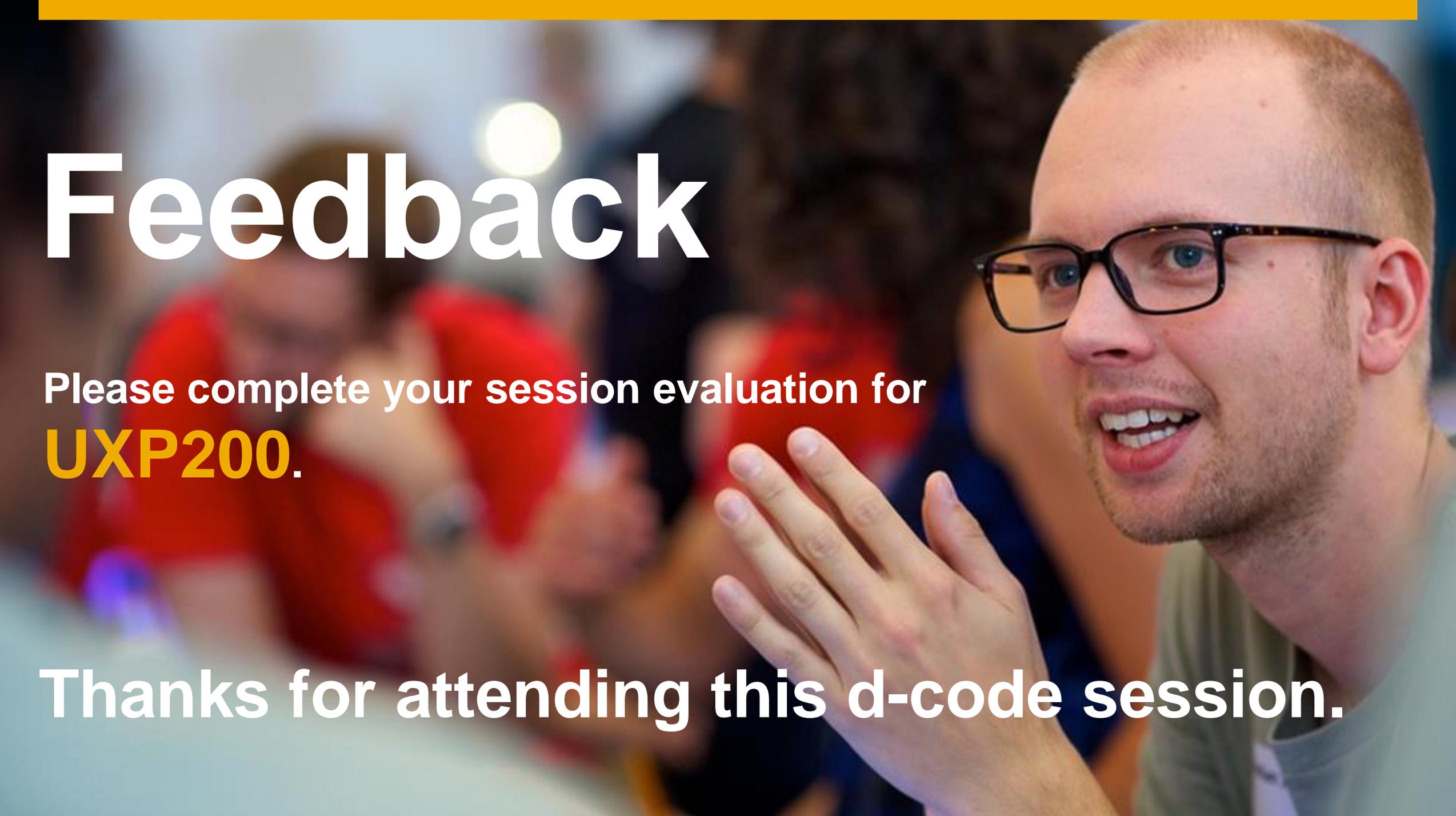
www.sap.com

SAP Education and Certification Opportunities

www.sap.com/education

Watch SAP d-code Online

www.sapcode.com/online

A man with short hair and glasses is clapping his hands, looking towards the left. He is wearing a light green t-shirt. The background is a blurred crowd of people, some wearing red shirts, suggesting a conference or event setting. A yellow bar is visible at the top of the image.

Feedback

Please complete your session evaluation for
UXP200.

Thanks for attending this d-code session.

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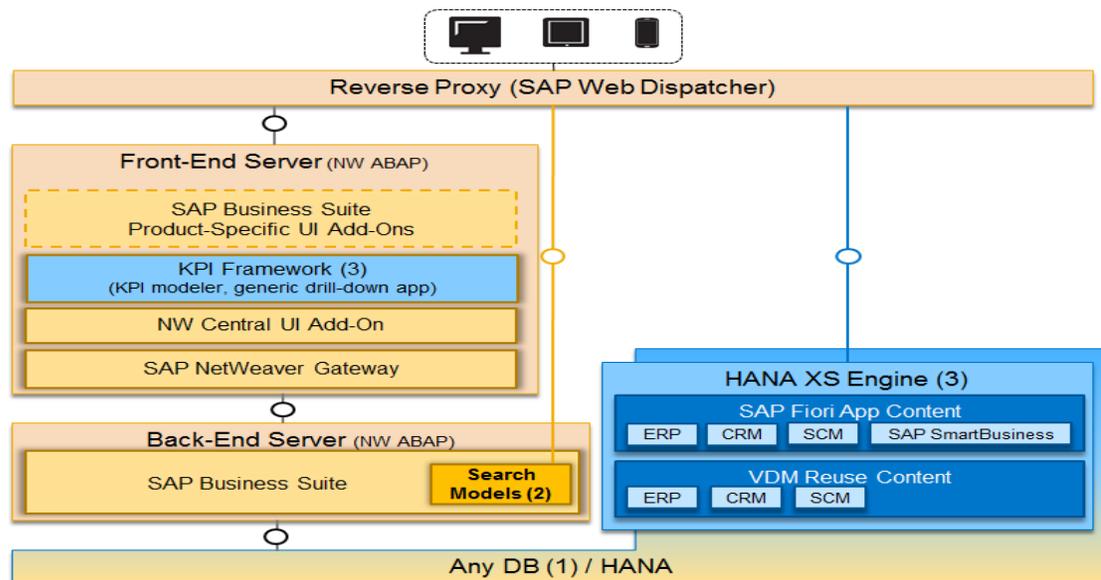
National product specifications may vary.

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SAP Fiori Extensibility by Content Layer

SAP Fiori applications can be extended by enhancing one or multiple content layers, depending on the extension requirements and the application type.



Content Layer	When an Extension is Required	Relevance
UI	The back-end logic and content required for the app extension exists in the Gateway layer, but is not exposed in the app's UI.	Transactional Analytical
Gateway (OData)	The back-end logic and content required for the app extension exists in the Business Suite layer, but is not exposed in the app's Gateway service.	Transactional Analytical
HANA	The back-end content required for the app extension exists in the HANA models, but is not exposed in the app's OData service.	Analytical
Business Suite	The back-end logic and content required for the application enhancement does not exist in the Business Suite.	Transactional
Search Model	The back-end logic is not exposed in the application's Gateway service.	Factsheets

UI Client & Integration Topics

Topic overview

Coherent user experience across multiple technologies and frameworks UI integration is key. It starts with offering the user one consolidated entry point via a shell and raises the need for consistent UI services.

SAP GUI

- Offers access to SAP Dynpro based applications

SAP NetWeaver Business Client

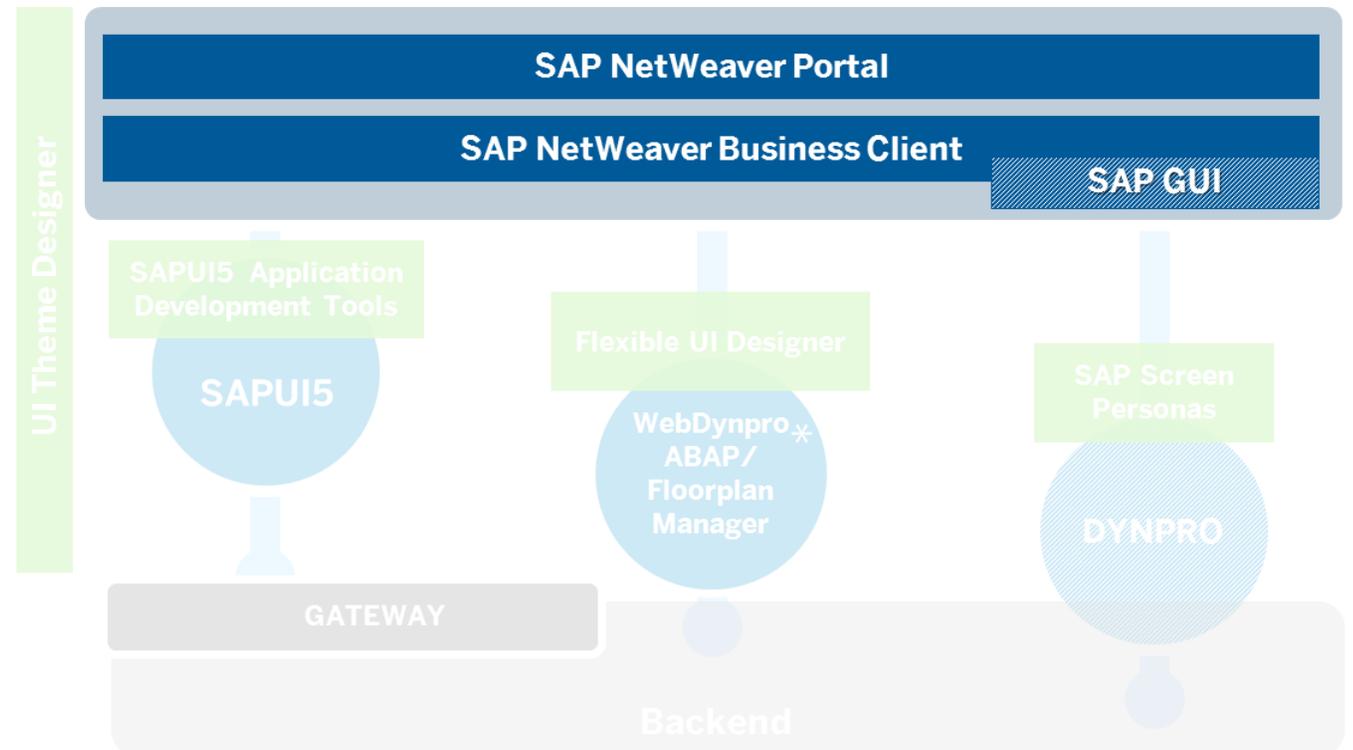
- Offers harmonized access to SAP applications

SAP Enterprise Portal

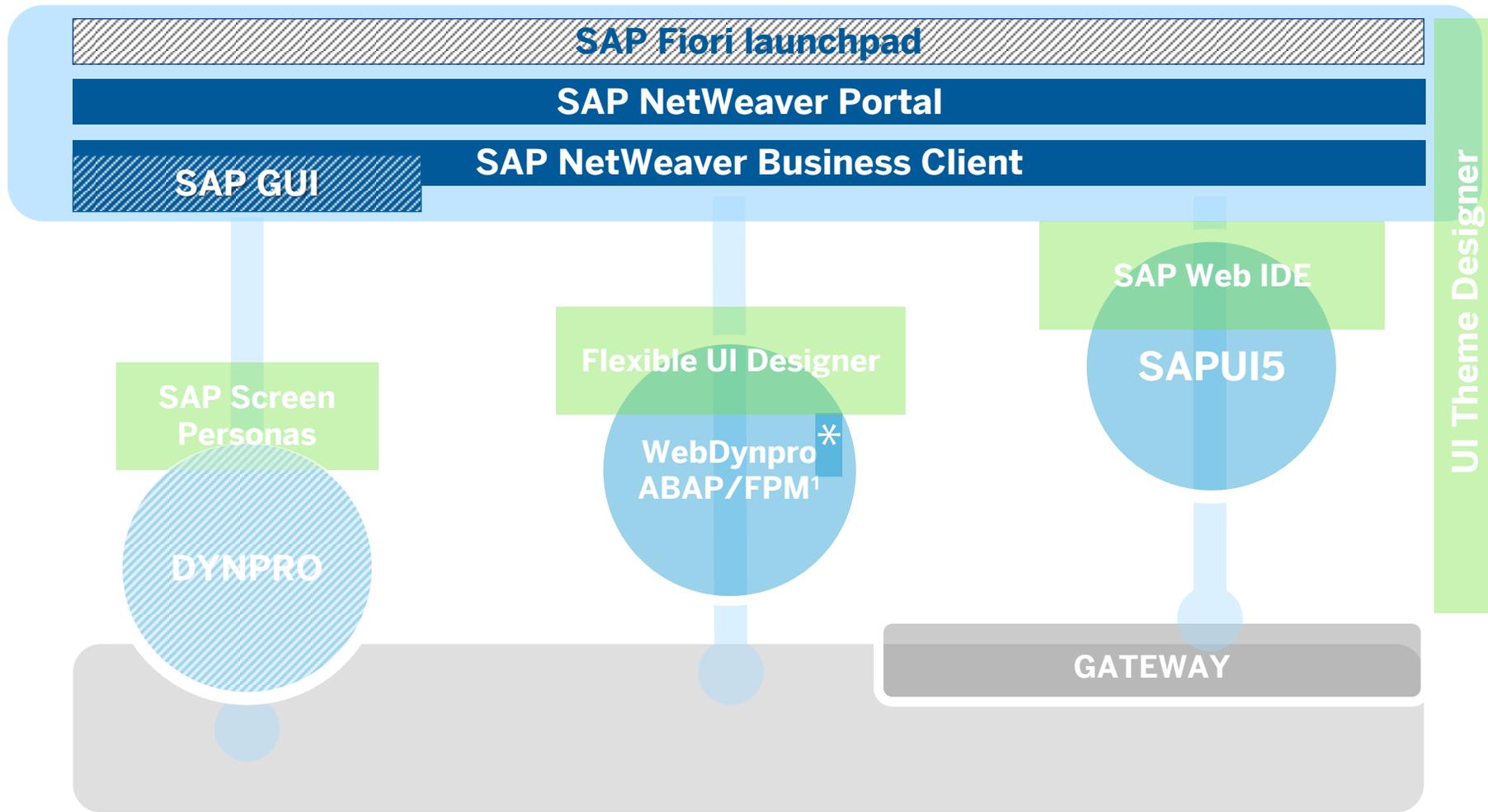
- Offers on premise and cloud solutions

SAP Fiori Launchpad

- Offers SAP Fiori specific solutions

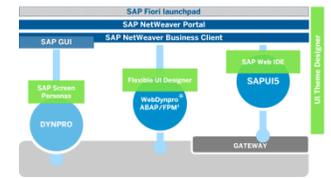
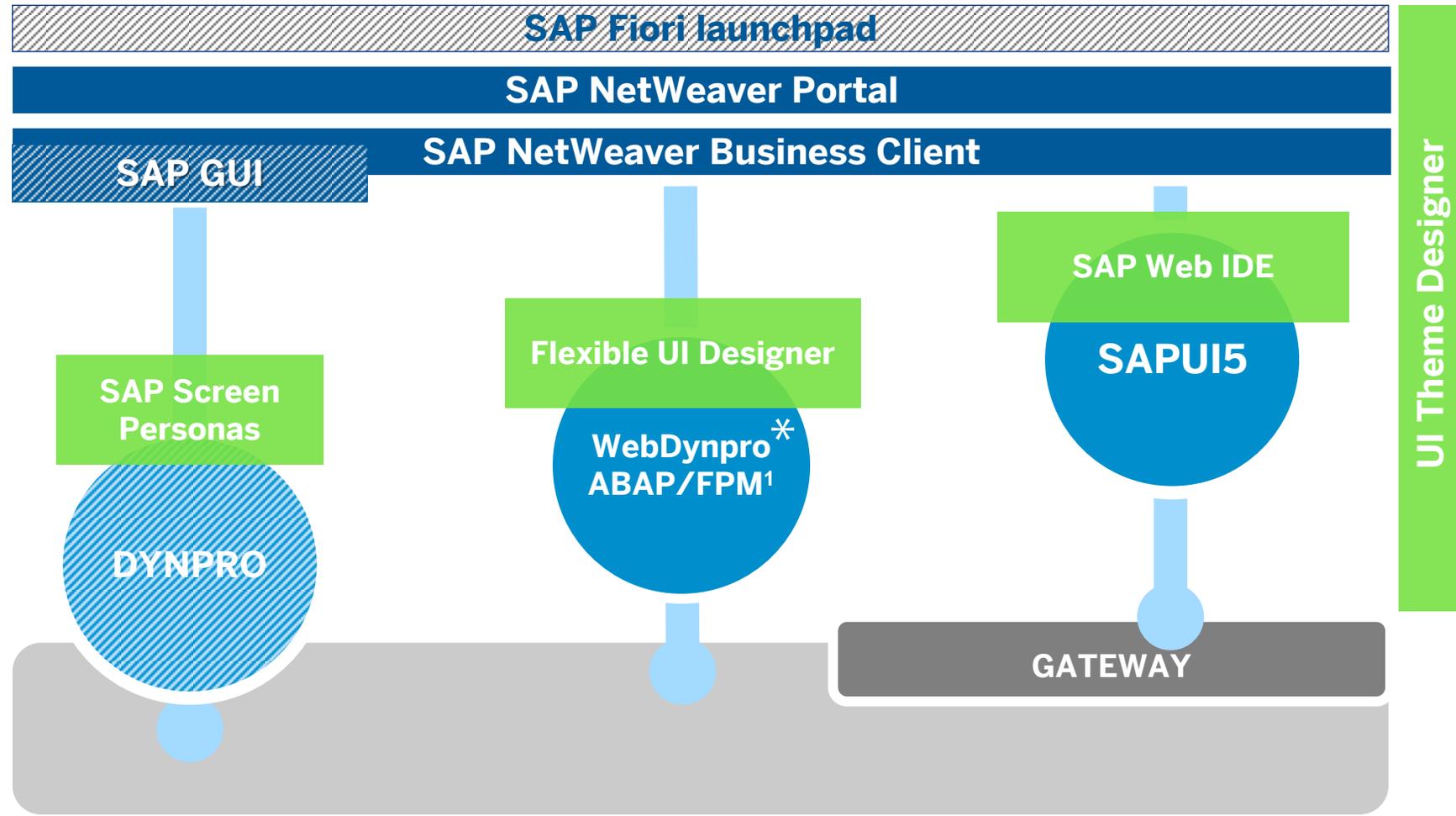
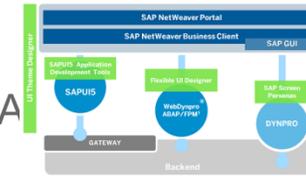


* Harmonized in Run & Design Time with WebUIF



SAP's Key UI Frameworks & Tools

The key UI technologies & tools are those which directly support SAP's 'NEW – RENEW – ENA' user experience approach.



* Harmonized in Run & Design Time with WebUIF, ¹ Floorplan Manager

SAP Fiori with SAPUI5: High-Level Architecture

