

Enhanced User Experience featuring SAP NetWeaver Business Client...and more...

Solution and Knowledge Packaging, Roll-out & Business Services
Thomas Ullmer, June 2013



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Topics

Strategy

Technologies

Educational offerings for partners

Technical details

- NWBC 4.0
- Side Panel
- SAP Screen Personas
- POWL
- HTML5 / UI5
- Floorplan Manager (FPM)
- Roles

Outlook

- Responsive Design
- App Designer
- Theme Designer
- UI Investigator Tool

Appendix

- Examples of renewed screens
- NWBC use cases

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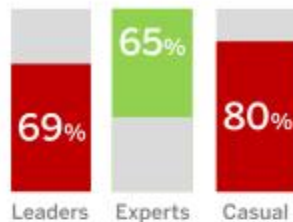
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Gartner, demographics, competition

Gartner



69% of business leaders and 80% of casual users rated the SAP UI as poor or not good

69% make decisions and 80% talk on the street

Demographics



In four years, Generation Y will account for nearly half the employees in the world.

They exhibit a different work mode

End user demands are shaping the IT strategy

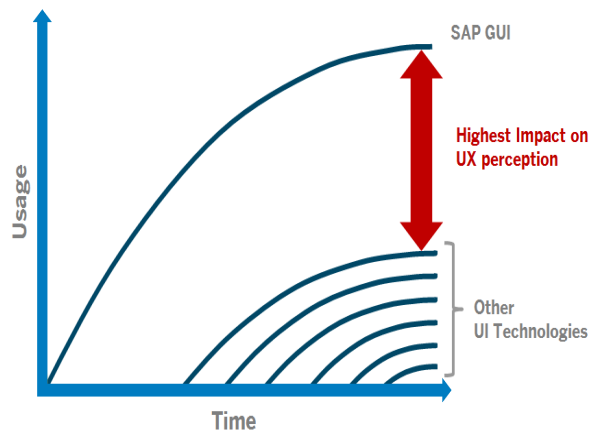
Competitors



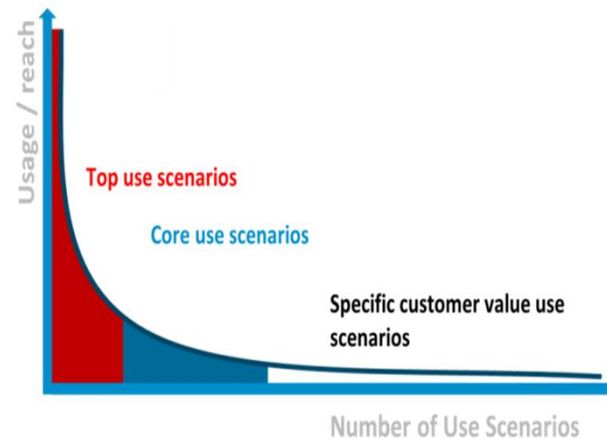
SAP is considered as too slow to deliver a competitive UI

Customers are evaluating or starting to develop UIs on competitors' platforms

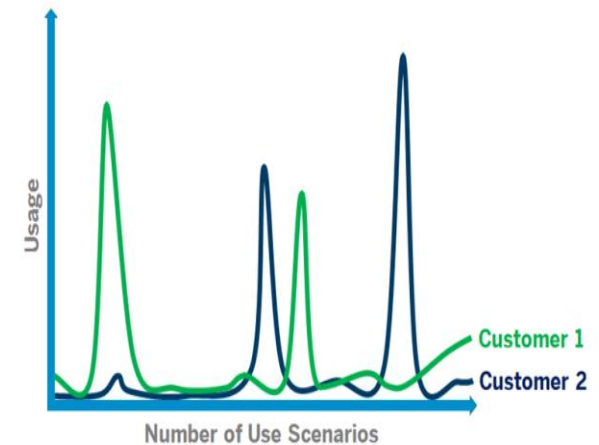
Current Situation and Key Facts



the **SAP GUI** defines customer perception of SAP usability



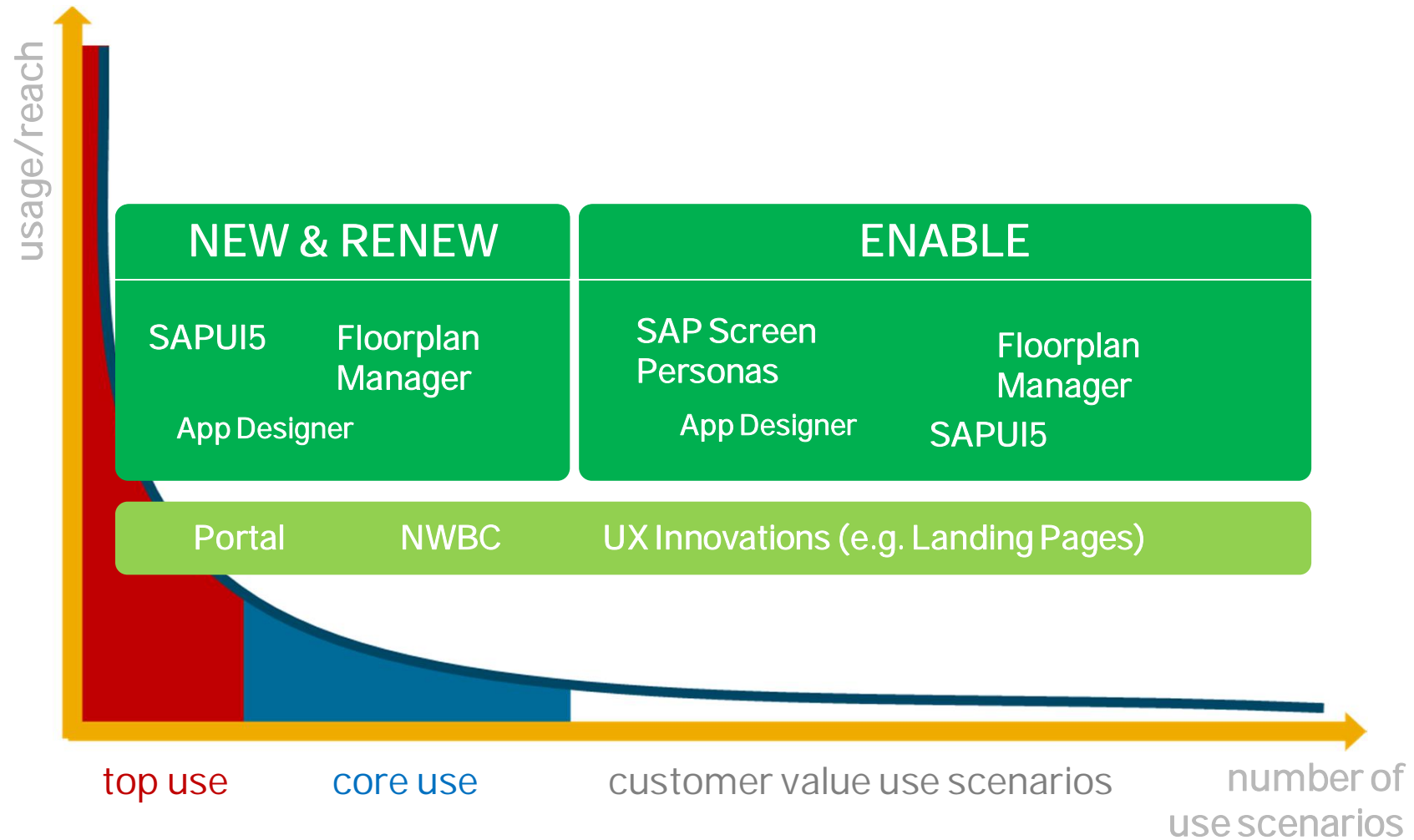
a **limited number** of use scenarios are most **widely used** today



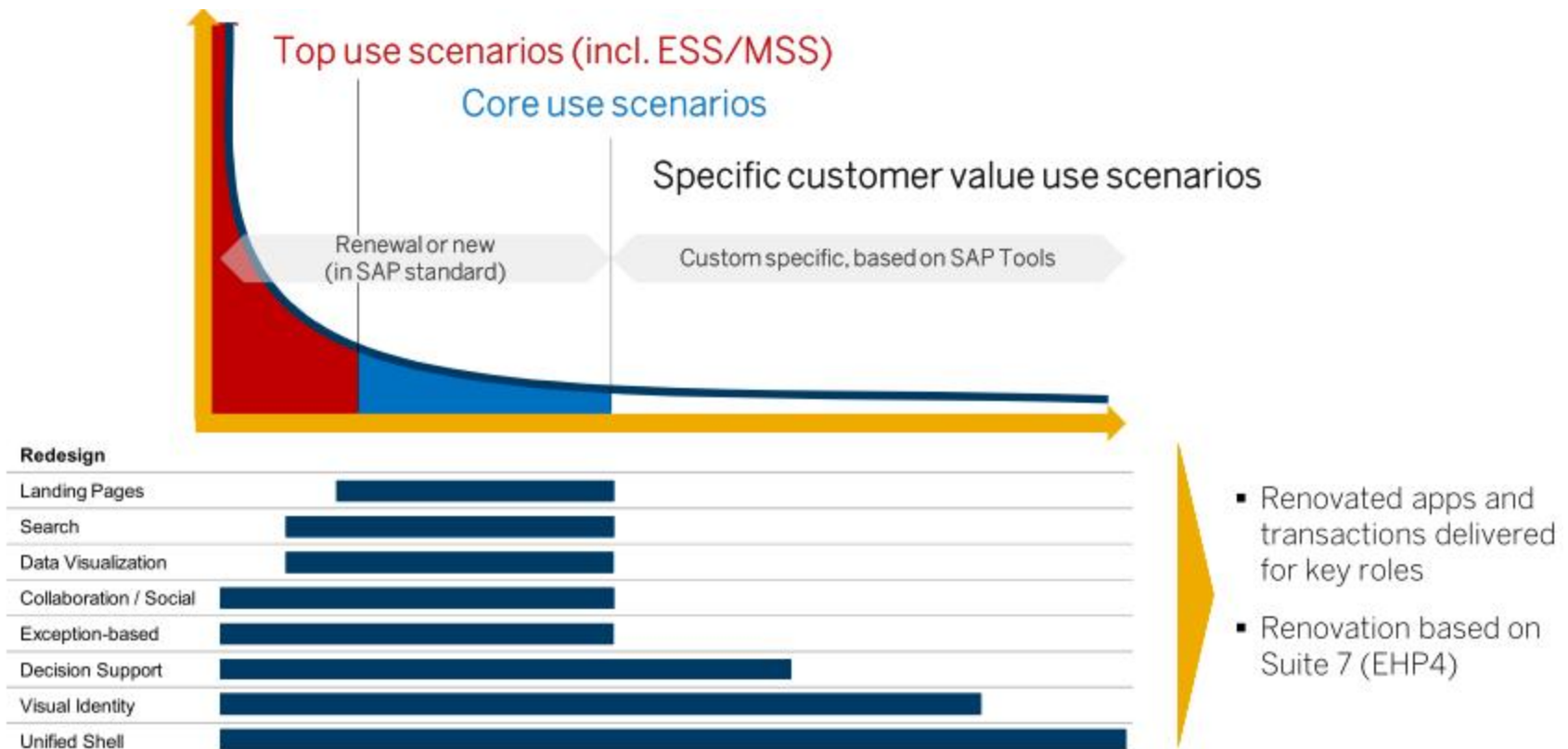
different value use scenarios per customer

SAP User Experience Strategy

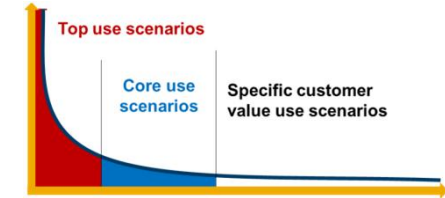
Key Technologies



Applying generic UX innovations



HANA Cross Entity Search and Contextual Navigation Overview



The screenshot displays the SAP NetWeaver Business Client interface. On the left, a search bar shows 'LED SMD BAY5' with 129 results. The main area shows a list of purchase orders, including 'Purchase Order 4500002058 Chaspur PO_121214'. The right pane provides a detailed view of this purchase order, including general information (PQ Type: Classic, Status: Ordered), supplier details (Moving Lights Corp. (MLC)), and a list of items (Apple MacBook Pro, MacPro Docking Station, etc.).

PURCHASE ORDER
4500002058
Chaspur PO_121214

GENERAL
PQ Type: Classic
Status: Ordered
Ordered On: 11.11.2012
Purchasing Organization: Global Purchasing Electrics
Total Value: \$91,680
Last Changed: 21.01.2012
Last Changed By: John Bradford

SUPPLIER
Supplier: Moving Lights Corp.
Address: 102 Main Street
City / State: San Francisco / CA
Zip Code: 90022
Country: USA
Payment Terms: 30 days due net
Incoterms: Cost, Insurance, freight

ITEMS
1 ea. Apple MacBook Pro, Retina, 15" \$1024.00
1 ea. MacPro Docking Station, RP5 \$64.00
1 ea. PC Audio Headphones, XR20 \$25.75
1 ea. TFT 21" Monitor, Samsung 213T \$275.50
1 ea. Ergonomic Keyboard, Model 33-ABC \$18.20

PEOPLE
Supplier Contact: Mick Jag (Electric Sales)
Responsible Buyer: Stitt, Clark
Recipient: Craig, Amy

RELATED DOCUMENTS
Purchase Requisition: 1234567
Contract: 2373-HR

ANALYTICS
Last six months
No. of Orders
JUNE 2012 CLOSING

Top use scenarios – consumer grade apps



New Apps



Renewed apps



Creating new and renewed apps – Mobile Mindset!

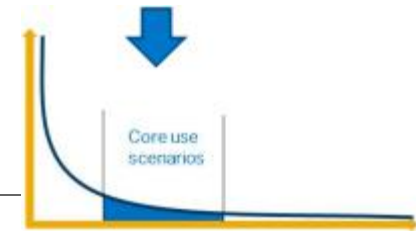
SAP Fiori compared to SAP Screen Personas

SAP recently introduced two new solutions that greatly improve the user experience, **SAP Fiori** and **SAP Screen Personas**. Each helps today's business user by making SAP more intuitive. The following table explains how companies should deploy these **complementary solutions**.

SAP Fiori compared to SAP Screen Personas

	SAP Fiori	SAP Screen Personas
Solution overview	SAP Fiori is a set of 25 apps that deliver a simple, intuitive user experience across your customers' most frequently used business transactions. The design offers a seamless experience from laptop to mobile devices, which allows individuals to accomplish tasks quickly and easily.	SAP Screen Personas provides a simple, drag and drop approach to modify most SAP GUI screens. It enables IT and business users to simplify business application screens quickly and easily without any programming knowledge. SAP Screen Personas improves the end-user productivity, visual appeal, and performance of SAP.
Tag line	Keeping simple things simple	Personalization without programming
Transaction support	Top 25 applications	All SAP GUI transactions
Out of the box functionality	Ready to run	Personalize transactions in minutes
Primary focus	Smartphone, tables, desktop	Desktop (Windows and Mac), Windows 8 tablet
Business value	<ul style="list-style-type: none"> · Increase user productivity and satisfaction · Reduce work completion time · Increase adoption of business processes · Deliver consumer-grade user experience 	
Personalizable	Not necessary. Fiori apps run out-of-the-box on any device.	You can modify any aspect of the SAP GUI to suit your unique needs.
SAP UX theme	"Renew" Renew the most widely used scenarios.	"Enable" Enable customers to improve the user experience of their specific use scenarios.

Core use scenarios – Key roles



SAP UI5 on different devices



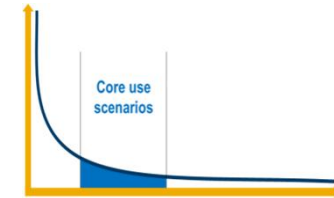
Floorplan Manager (WDA)

SAP GUI



Renew key roles – including generic UX innovations

Renewal – HR Administrator



Maintain HR Master Data

Personnel no. [] Name []

EE group [1] Active Pers.area [DE01] Personnel area DE01

EE subgroup [DE] Industrial trainee

Basic personal data Contract data Gross/net payroll Net payroll

Infotype text [] Period []

Actions [] From [] To []

Organizational Assignment []

Personal Data []

Addresses []

Bank Details []

Family Member/Dependents []

Challenge []

Direct selection []

Infotype [] STY []

HR Master Data

Personnel no. [] Name []

Search or enter application name or transaction code

TASKS BY TIME ANALYTICS ACTIONS TASKS BY DRAFTS ORGANIZATION

New Critical []

Pending []

Time Recalled []

Move Organizational Unit []

Contract Adjustment []

Contract Elements []

Name and Description []

Delete Organizational Unit []

Account Assignment []

Account Assignment []

Personnel List []

Create Organizational Unit []

Contract Elements []

Contract Adjustment []

Move Organizational Unit []

Additional Personal Data []

Name and Description []

Holidays []

Employee Profile: Steve Parker

View: Personal Data Search for Fields Search for Intotypes

Short Profile

Steve Parker []

Personal ID: D036749

Org. Unit: HCM PM1

Position: Developer

Job: Developer

Cost Center: 647382

Pers. Area/Subarea: WestDE 01

Communication Data

E-Mail: steve.parker@sap.com

Telephone: +1 650 949-2254

Mobile: +1 650 451 2422

Office: PAL03.2.43

Location: California, USA

Local Time: GMT - 8:00

Addresses

Permanent Address

Street, House, No. 705 Southside

Postal Code: 94301

City: Palo Alto

Phone: 444-6753

Country: USA

State: California

Additional Address

Street, House, No. 705 Southside

Postal Code: 94301

City: Palo Alto

Phone: 444-6753

Country: USA

State: California

Emergency Address

Street, House, No. 705 Southside

Postal Code: 94301

City: Palo Alto

Phone: 444-6753

Country: USA

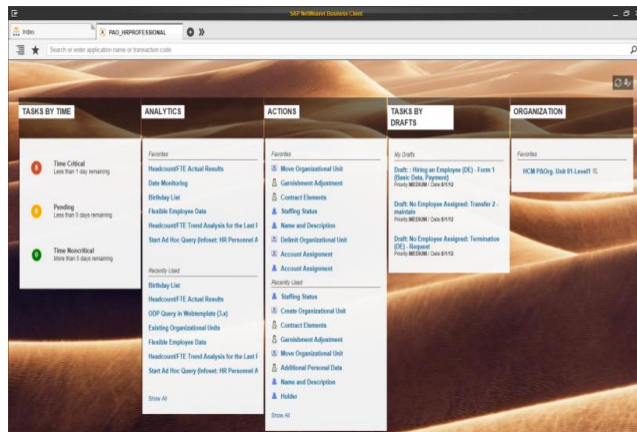
State: California

UX Innovation - Landing Pages

UI Design and Page Layout



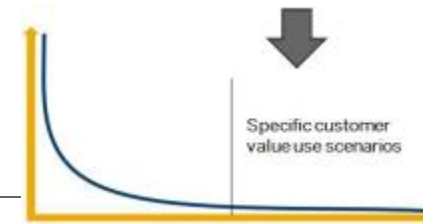
Today Lanes Design



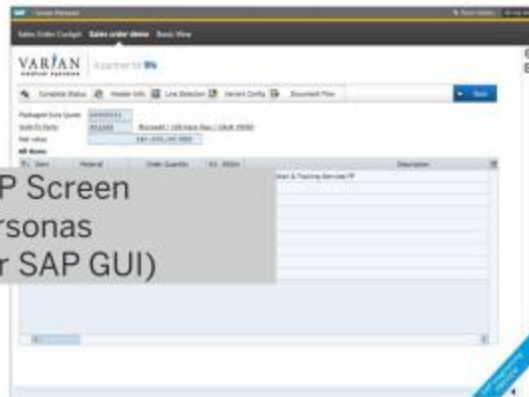
Q2/2013 Grid Design



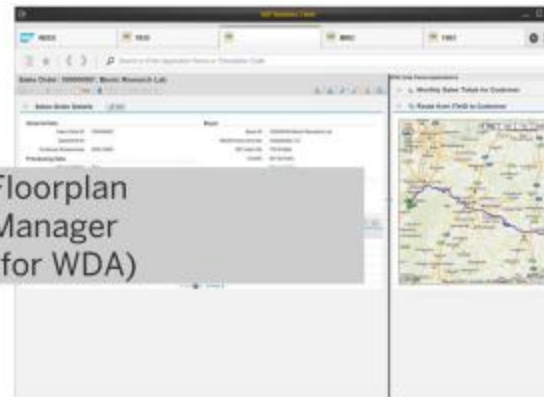
Specific customer value scenarios - Tools



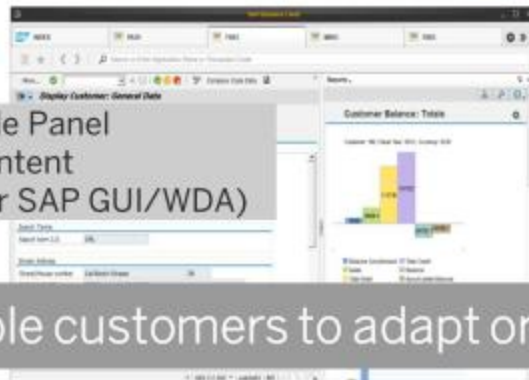
SAP Screen Personas
(for SAP GUI)



Floorplan Manager
(for WDA)



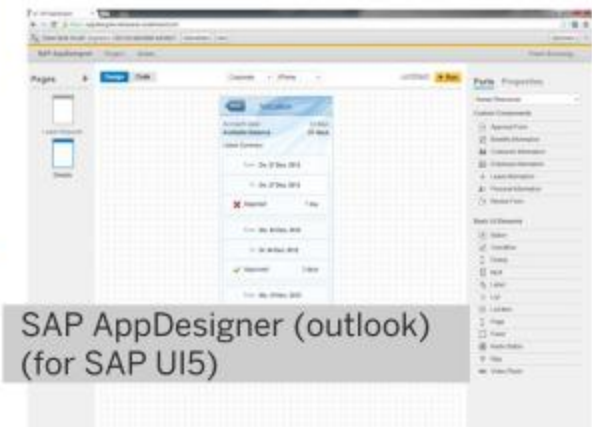
Side Panel Content
(for SAP GUI/WDA)



CRM WebUIF
(for CRM Web UI)



SAP AppDesigner (outlook)
(for SAP UI5)



Enable customers to adapt or create new UIs

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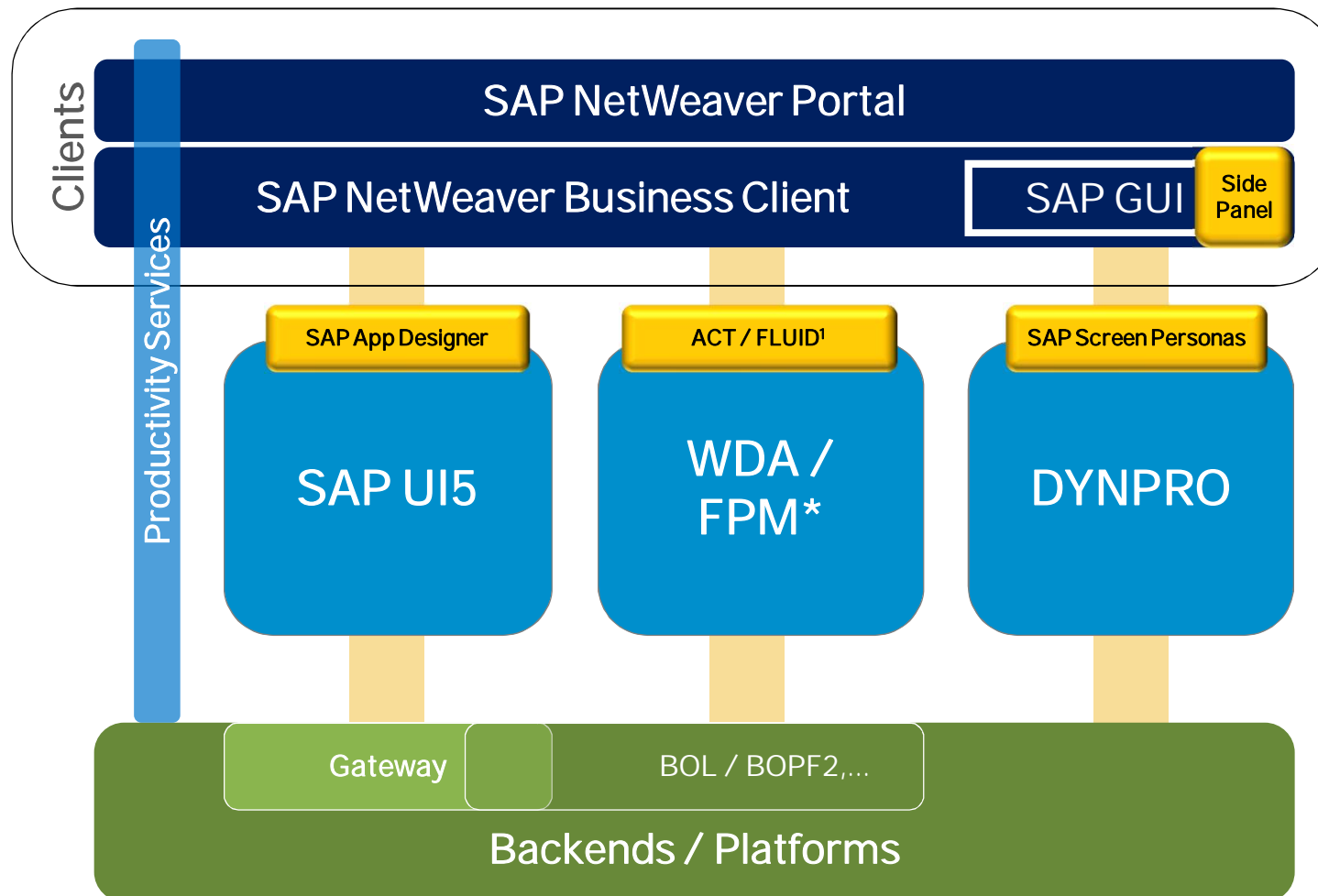
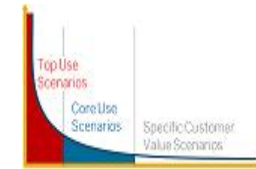
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Strategic UI Technologies

Desktop Perspective



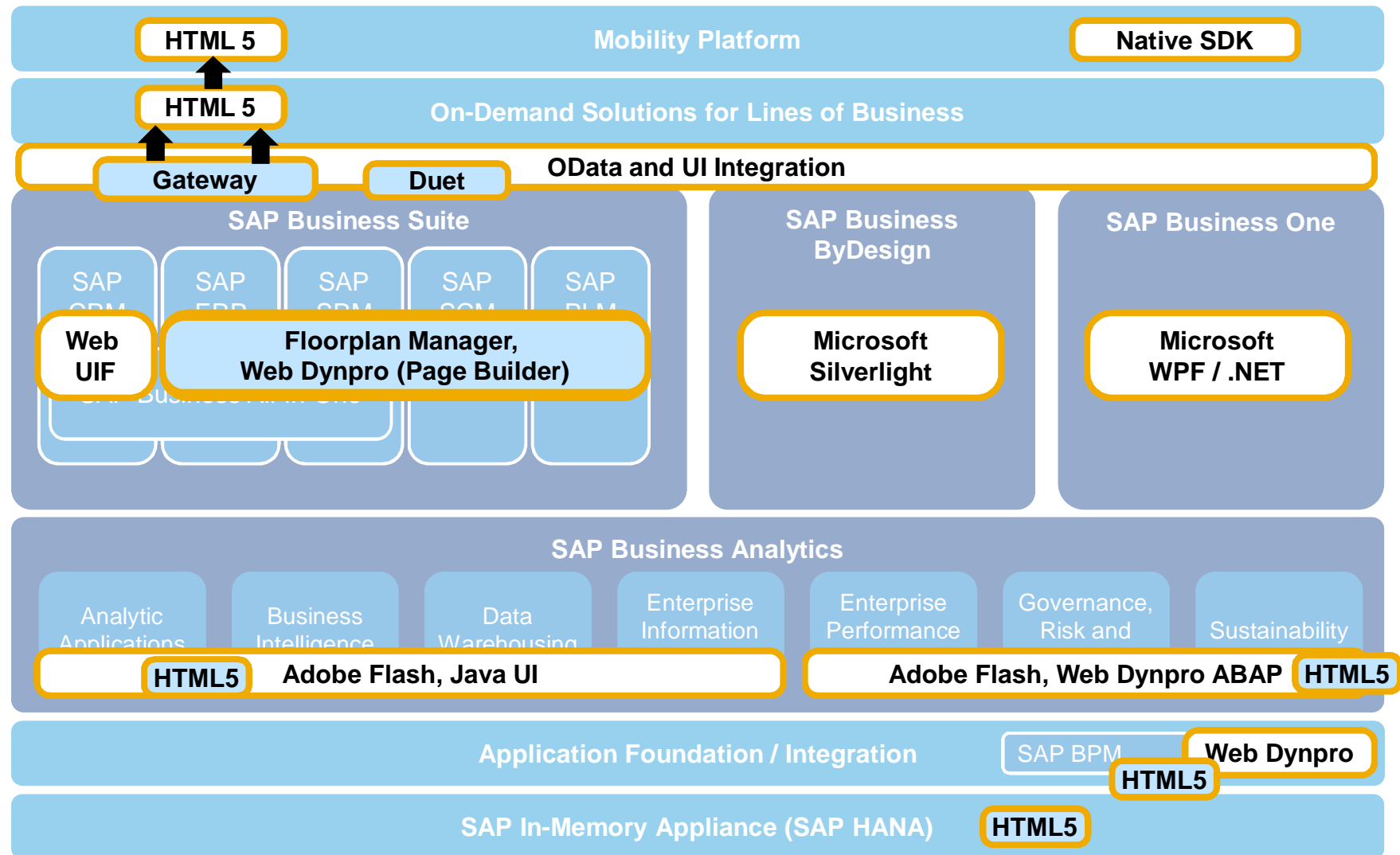
*: Harmonized in Run & Design Time with WebUIF

¹: Application Creation Tool / Flexible UI Designer

²: Business Object Layer / Business Object Processing Framework

UI Technologies

Usage across SAP Business Solutions



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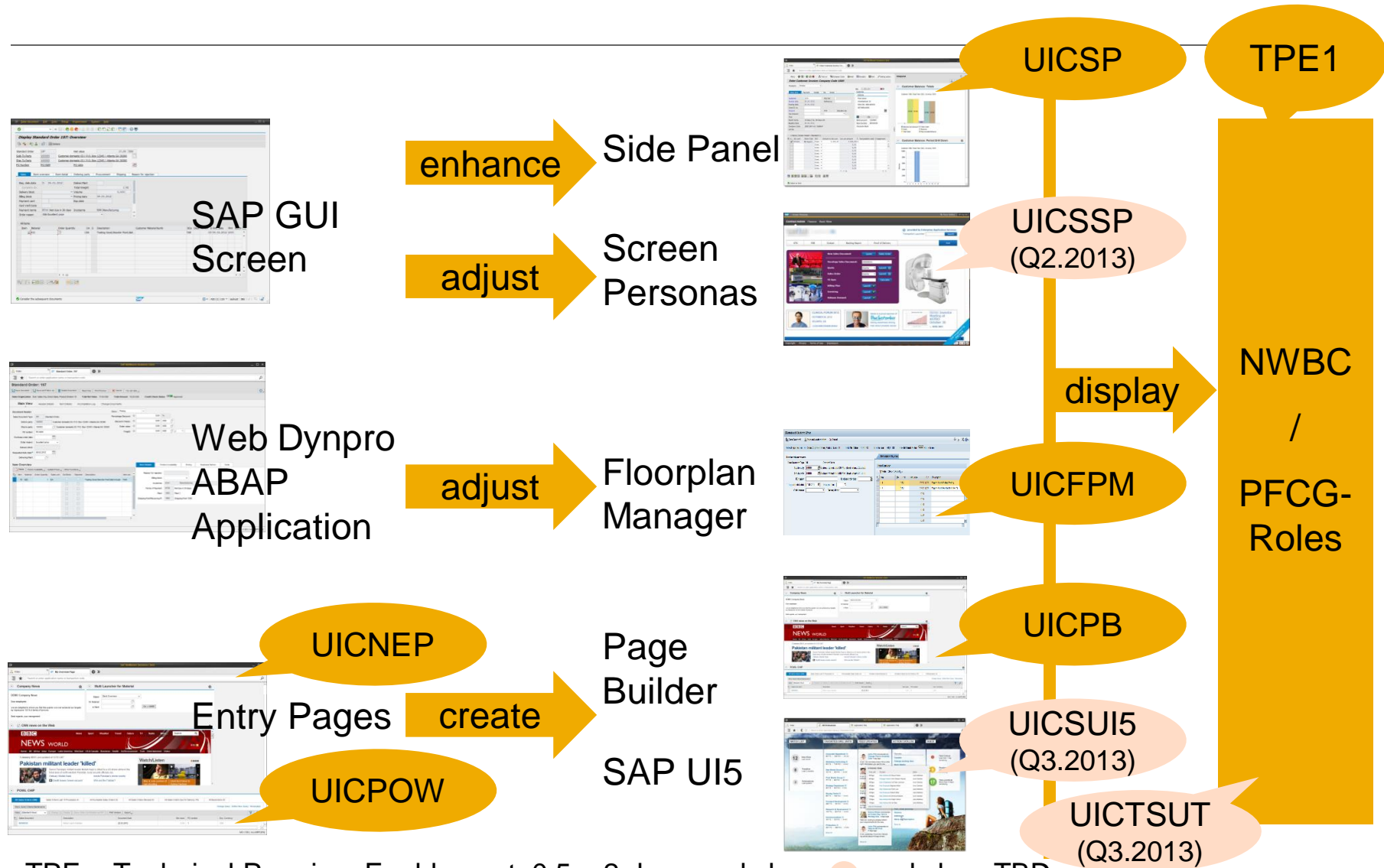
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Which technology & tools to use, and when?

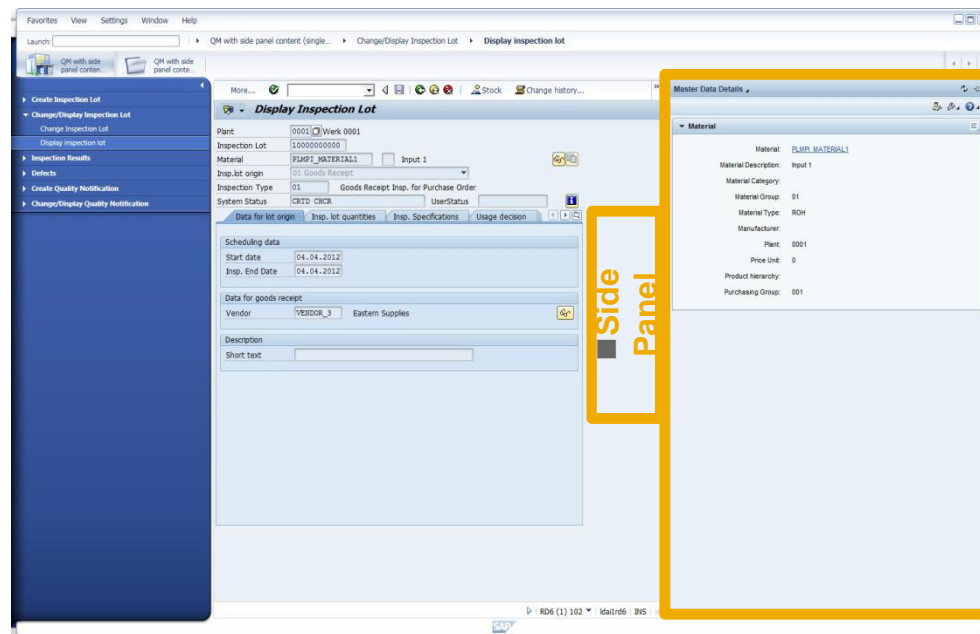


TPE = Technical Premium Enablement, 0,5 – 2 days workshop, ● workshop TBD

Premium Enablement	Content	Duration (days)	Details	Pre-requisite
TPE1	Up and running in 2 days plus NWBC Server-side	2	Setting up a demo system based on Database Exports incl. NWBC backend settings	
UICPB	Page Builder	0,5	Introduction to Page Builder, Roles concept	
UICFPM	Floorplan Manager	0,5	Adapadting FPM based applications without modification	UICPB or NWBC basics
UICSP	Side Panel	0,5	Creating Side Panels for any SAP GUI-based transaction	UICPB or NWBC basics
UICPOW	POWL	0,5	Adapting standard POWLs with additional fields without modification	UICPB or NWBC basics
UICSUI5 (planned for end Q3.2013)	SAP UI5	1	Creating new UIs based on HTML5 and UI5 template	UICPB or NWBC basics
UICSSP (planned for end Q3.2013)	SAP Screen Personas	0,5	Adapting standard SAP GUI-based transactions	UICPB or NWBC basics
UICTSUT (discarded)	Technical Set-up for UI topics	1	Setting up Server Side configuration for NWBC, oData for UI5, and SAP Personas	
UICNEP	NWBC Entry Pages	1	Deep-dive into creating Entry Pages for NWBC with the Page Builder	UICPB or NWBC basics

SAP rapid-deployment solution of side panel content in SAP NetWeaver Business Client

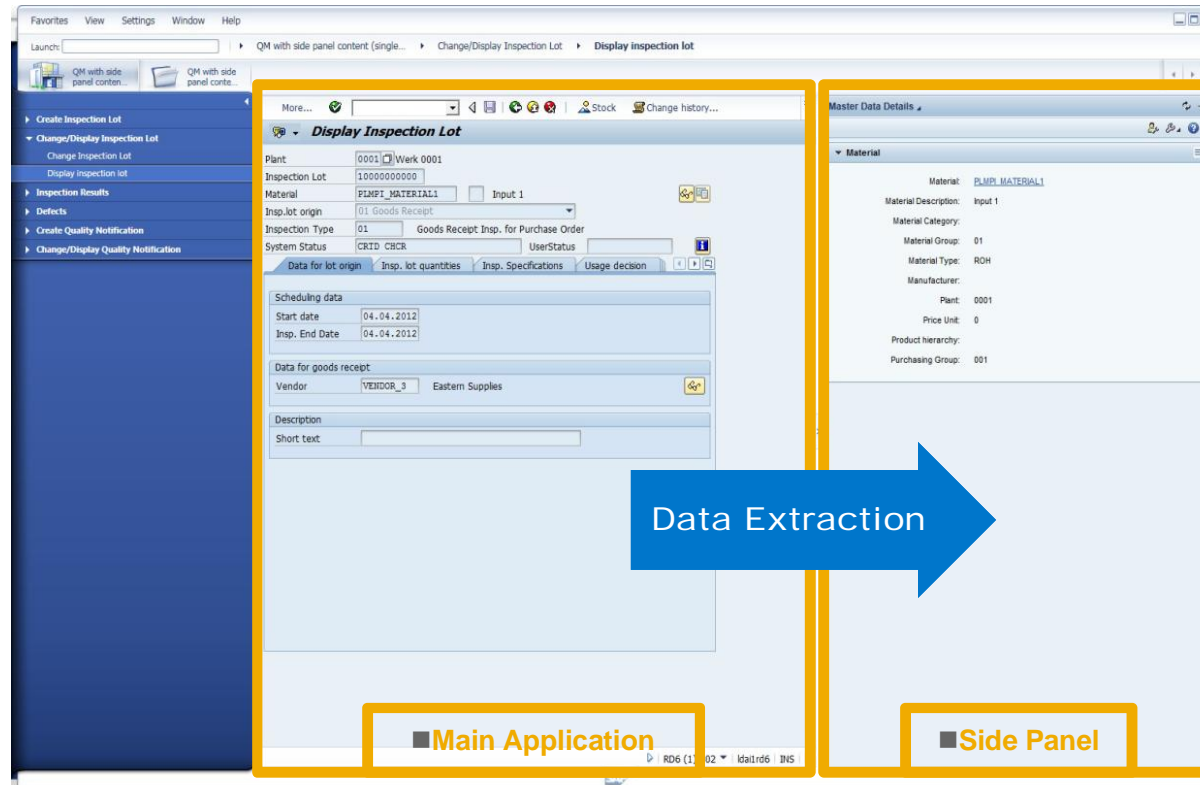
The SAP® rapid-deployment solution of side panel content in SAP NetWeaver® Business Client software offers packaged content to enhance the user's experience with SAP applications. It provides context-related business content including master data, analytics and related services, along with supplementary information (including external) and takes SAP ERP transaction data to the next level.



<https://service.sap.com/rds-ui-sidepanel>

Get a homogeneous view of your business data

What's included – Solution scope



- Out-of-the-box layouts and ready-to-use gadgets (CHIPs) like charts, forms, and so on, gives users a holistic view of transactions.
- Context is dynamically defined by data processed in the main SAP GUI application and pushed to the side panel
- Content enabled for transactions in following solution areas:
 - Financials
 - Procurement
 - Quality management
 - Sales and distribution

This rapid deployment solution was designed for productive use with SAP Business Suite Foundation 7.31 Support Pack 4. However, SAP is releasing this package with Support Pack 3 for 'trial and evaluation' purposes. The side panel content included in this rapid-deployment solution will form part of the standard SAP delivery of SAP Business Suite Foundation 7.31 Support Pack 4. SAP recommends updating to Support Pack 4 to use in a production environment.

Get a homogeneous view of your business data

What's the value

■ The SAP NetWeaver Business Client provides context-related data via the side panel without any additional code or code changes to the application

Business benefits

- Increased user productivity that allows for more informed business decisions in every day work
- Unified user interface eases data consumption and provides better insight at the point of action
- Easier configuration and extension – no additional skills required
- Easy for partners and customers to use SAP's CHIP catalog to create new side panels
- Simplified orchestration of business processes with fewer screens
- Personalized content for the user

Measurable success

- Reduction in number of open screens
- Zero code changes lead to quick, non-disruptive deployment
- Faster time to implement via packaged approach

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The SAP NetWeaver Business Client 4.0 is the standard desktop client for the SAP Business Suite

- **Role-based access** to SAP business applications

Roles can be loaded from

- PFCG (Web AS ABAP role repository)
- PCD (SAP Enterprise Portal role repository)

- **Navigation frame** hosting

- Dynpro (embedded and reused **SAP GUI for Windows**)
- Web Dynpro ABAP
- HTML-based content

- **Harmonized user experience**

through integration of SAP GUI and WebDynpro based applications

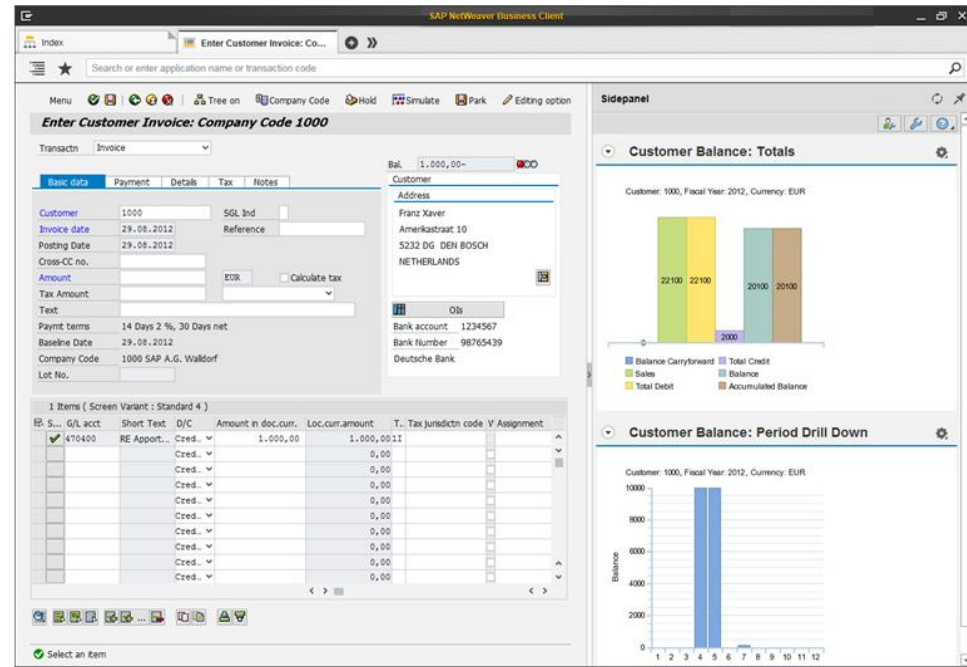
- **SidePanel:** Enhance SAPGUI applications **without modification**

- **Browser like navigation** (NWBC 4.0)

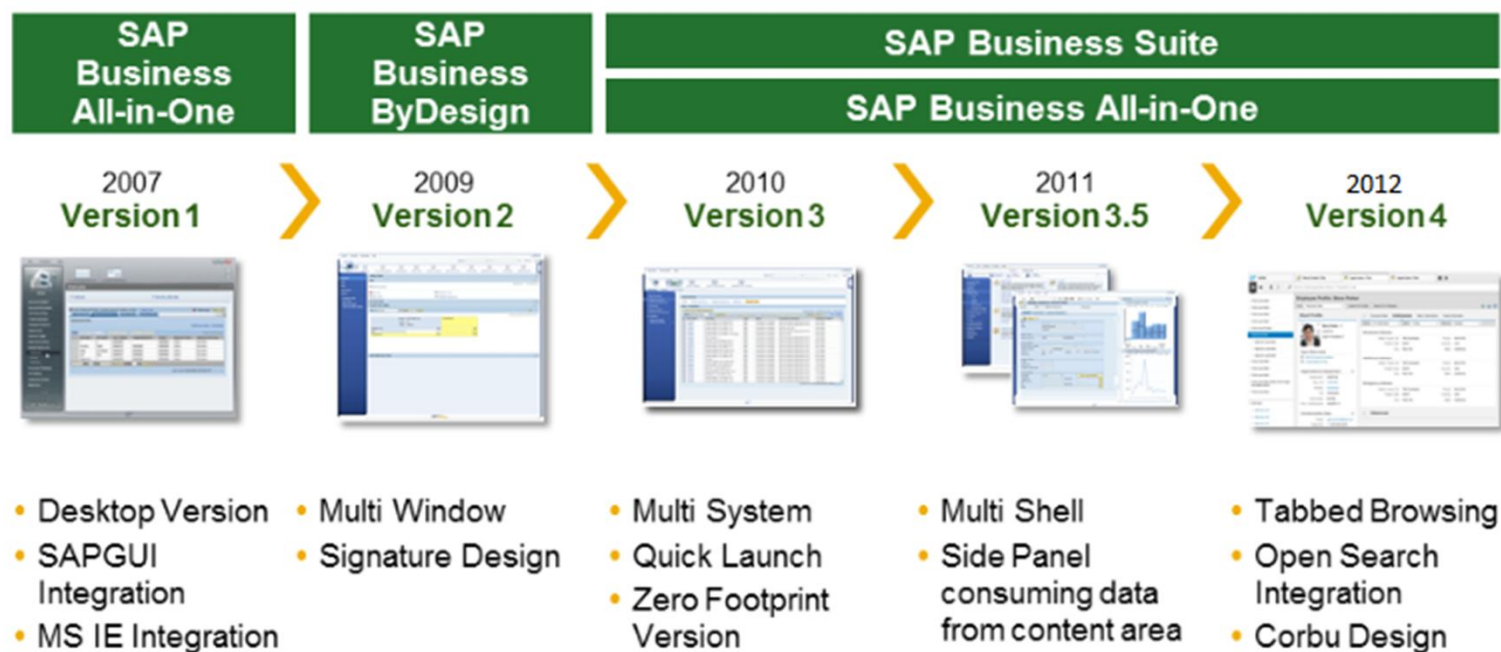
- Index and New Tab page navigation
- Pinned tabs

- Available in two flavors:

- **NWBC for Desktop** (Windows based)
- **NWBC for HTML** (browser based)



Evolution of NWBC



Browser-like navigation in NWBC for Desktop 4.0

Options to find and launch applications

Overview pages

- Index page
- New Tab page
- Service map
- Start pages

Panels

- Navigation panel
- Favorites panel

Quick Launch

- Launch applications
- Search for applications or content

Personalized navigation

- Favorites
- Pinned tabs

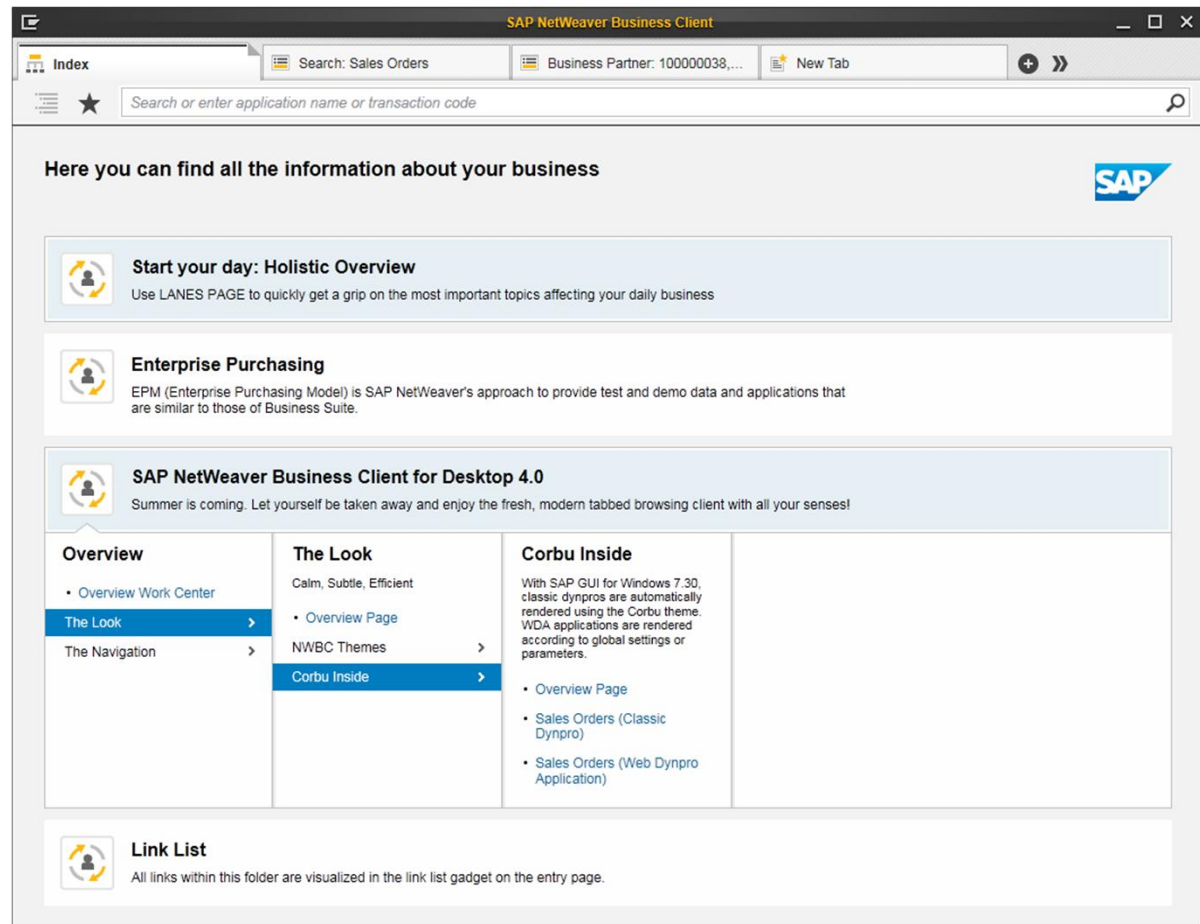
The screenshot displays the SAP NetWeaver Business Client interface. At the top, the title bar reads "SAP NetWeaver Business Client". Below it, a tab labeled "Index" is active. A search bar contains the text "Search: Purchase Orders". Below the search bar, a search criteria section is visible, titled "Search Criteria". It contains four rows of search criteria: "Purchase Order ID", "Employee ID", "Supplier Name", and "Creation Date". Each row has a dropdown menu, a comparison operator (all set to "is"), and a text input field. To the right of each row are buttons for adding (+) and removing (-) criteria. Below the search criteria section, there is a "Search" button, a "Clear Entries" button, and a "Reset to Default" button. To the right of these buttons, there is a checkbox for "Maximum Number of Results" set to "100" and a "Save Search As:" field with a save icon. Below the search section, a "Result List: 20 Purchase Orders" is displayed. The result list is a table with columns: "Purchase Order ID", "Supplier ID", "Supplier Name", "Gross Amount", "Currency", "Lifecycle Status", and "Approval Status". The first row of data shows: "300000019", "100000009", "Telecomunicacion...", "3.974,12", "EUR", "New", and "Initial".

Purchase Order ID	Supplier ID	Supplier Name	Gross Amount	Currency	Lifecycle Status	Approval Status
300000019	100000009	Telecomunicacion...	3.974,12	EUR	New	Initial

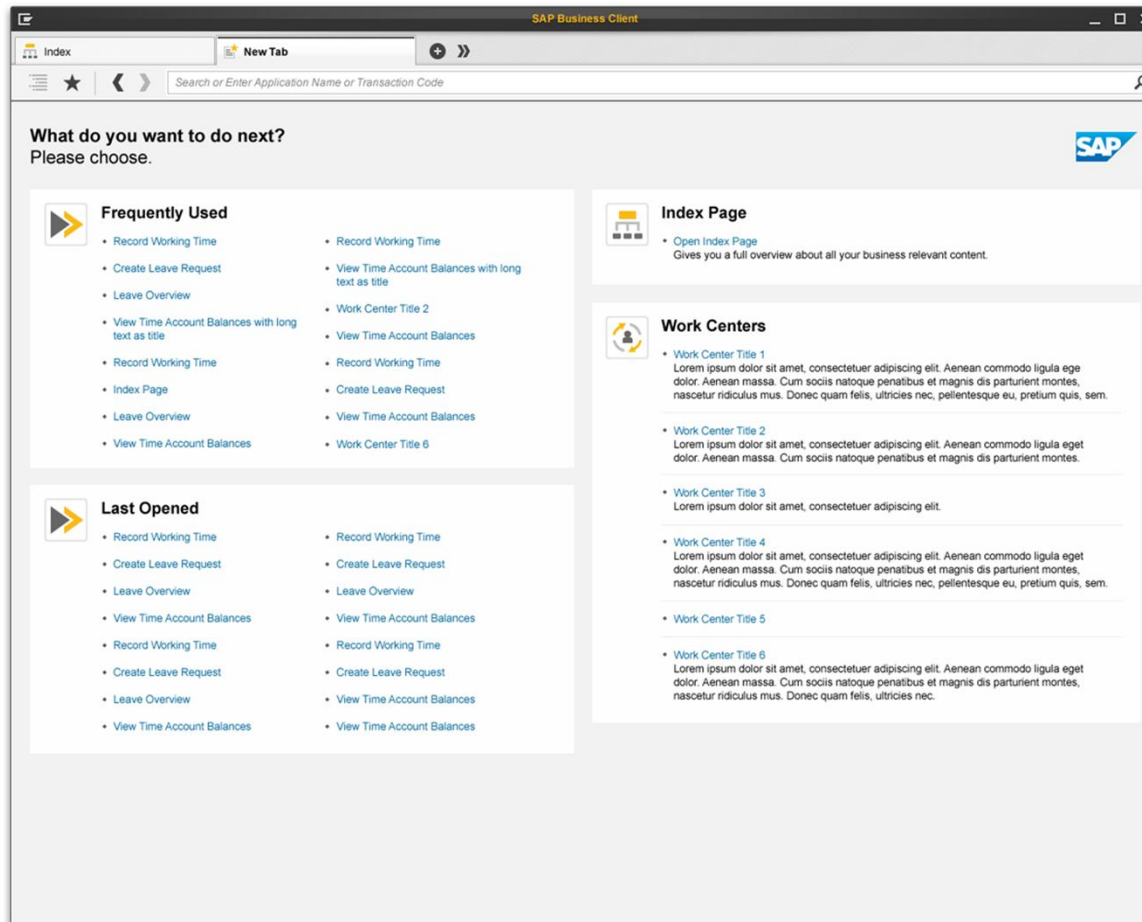
Overview pages – Index Page

Index Page

Exposes the entire navigation structure for this user. This is the initial page when a user logs on to a system for the first time. It can be unpinned and closed in case the user wants to see a different page than his home page.



New Tab Page

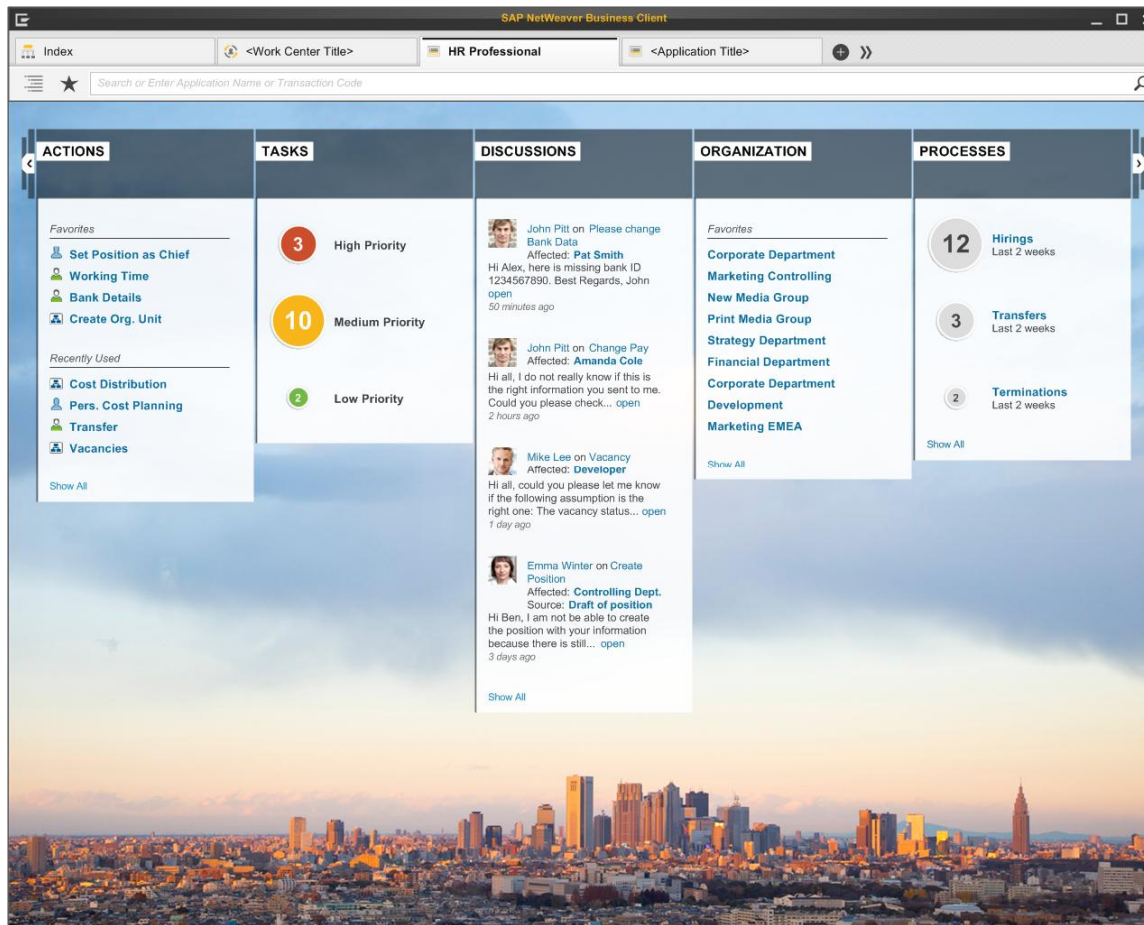


The new tab page is opened with a click on the new tab icon in the header. It shows lists of frequently used pages and last opened pages. It also shows a link to the index page and links to the top level folders and its descriptions.

The new tab icon is always shown so that the user can reach the new tab page at any time.

The navigation to a page called from the new tab page is inplace. This is done automatically by the NWBC

Landing Pages (HTML5)

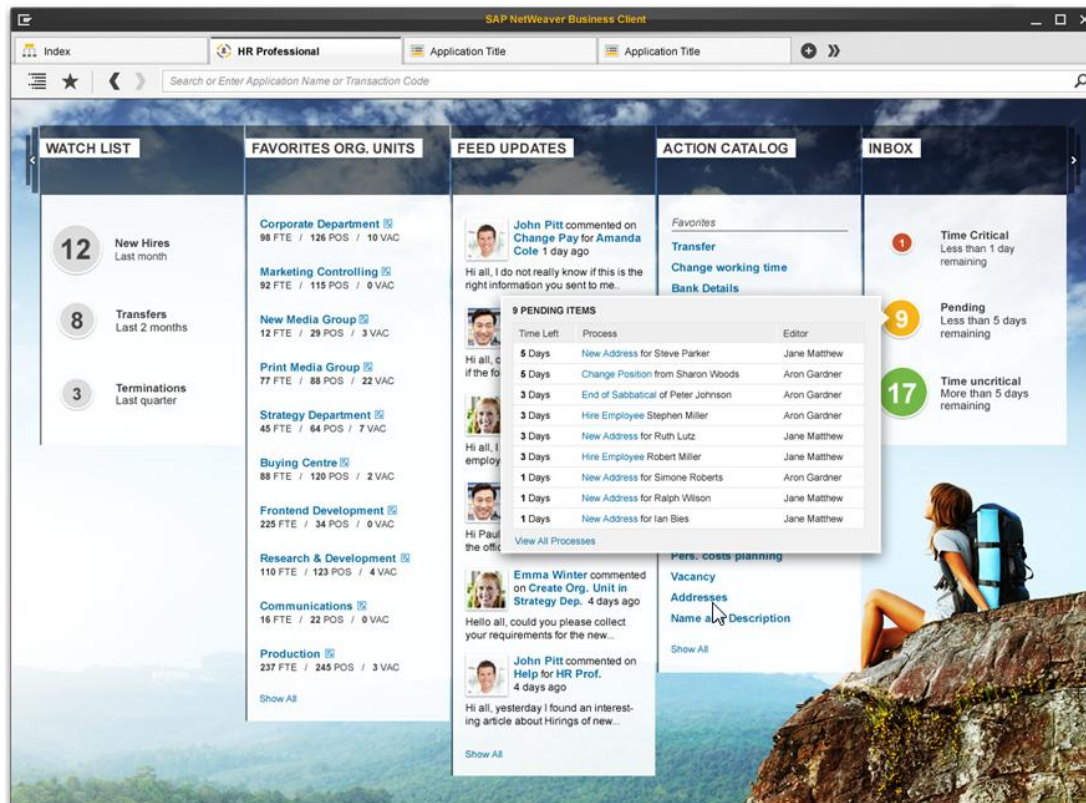


Landing Pages are used as a first entry for a role. They give the most important information and provide links to applications and other pages.

They can replace work center pages. It depends on the use case which approach helps the user in the best way.

Landing pages are part of the roles and are included in PFCG or PCD roles in the same way as work center pages. Landing pages can have a background image which can be changed in the personalization.

Navigation Pages in NWBC 4.0



Start Pages

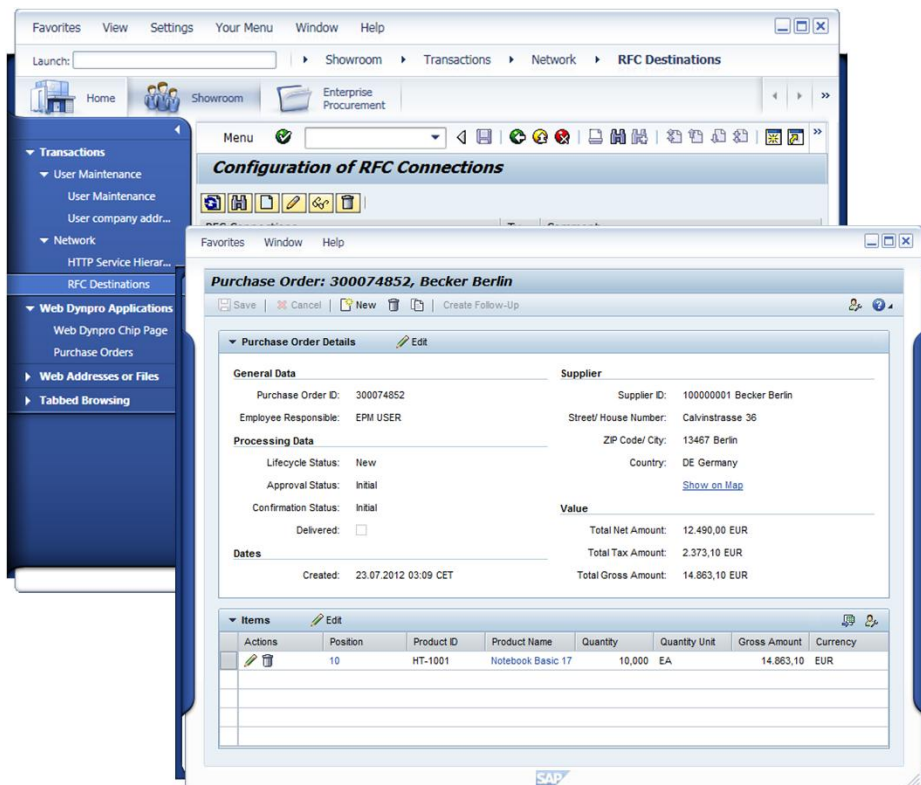
Role specific start pages provide a structured, efficient, personalizable entry into the work day. They typically contain work lists, charts and feeds and take advantage of technologies such as the WDA Page Builder or a lanes page builder based on UI5.

From Signature to Corbu

SAP NetWeaver Business Client 3.0 and 3.5

SAP GUI: SAP Signature theme

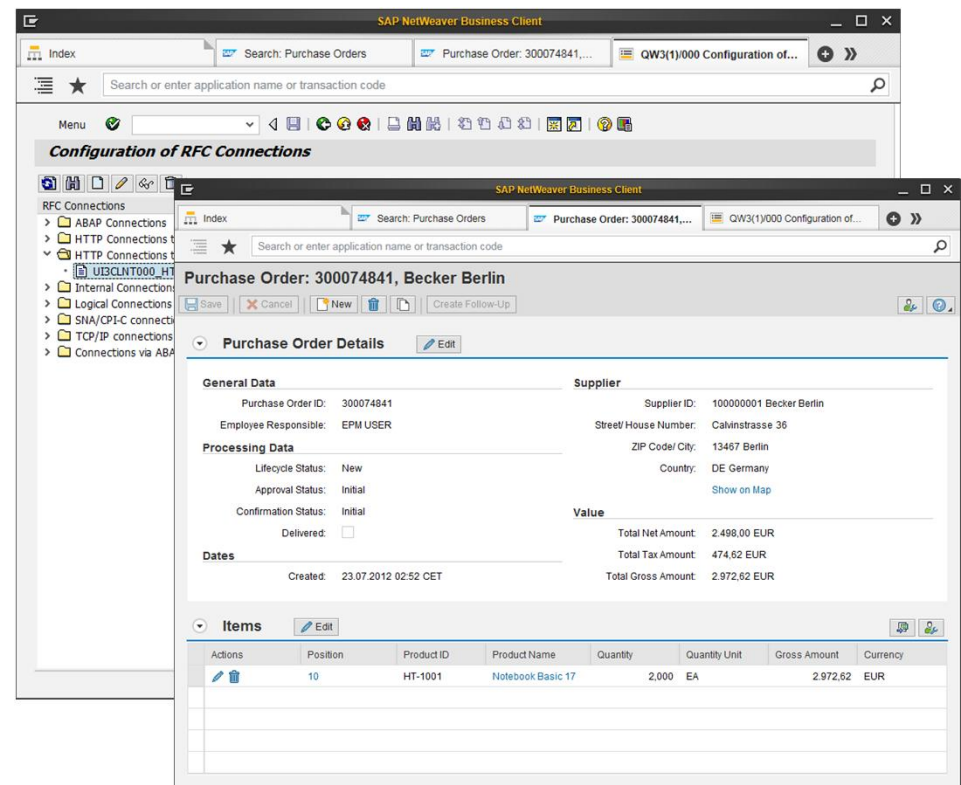
WebDynpro ABAP: As defined in backend
(parameter wd-themeroot, global settings)



SAP NetWeaver Business Client 4.0

SAP GUI for Windows 7.30: Corbu theme

WebDynpro ABAP: As defined in backend
(parameter wd-themeroot, global settings)



User Interface Add-On for SAP NetWeaver

Features

UI add-on for SAP NetWeaver includes the following main components:

SAP NetWeaver Business Client 4.0

SAP NetWeaver Business Client (NWBC) is a user interface that presents a single entry point to different SAP business applications and technologies. Version 4.0 offers an enhanced shell design, the modern Corbu theme, tabbed browsing, and many other enhancements.

UI Development Toolkit for HTML5

The *UI development toolkit for HTML5* (SAPUI5) is a library and a framework designed to enable developers to easily create and extend state-of-the-art user interfaces. SAPUI5 is based on HTML5 and uses the jQuery library as foundation. It supports CSS3, which allows you to adapt themes to your company's branding in an effective manner. It is Open AJAX compliant and can be used together with other standard JavaScript libraries. The client-side rendering library provides a rich set of controls. You can as well extend these controls and develop new custom controls.

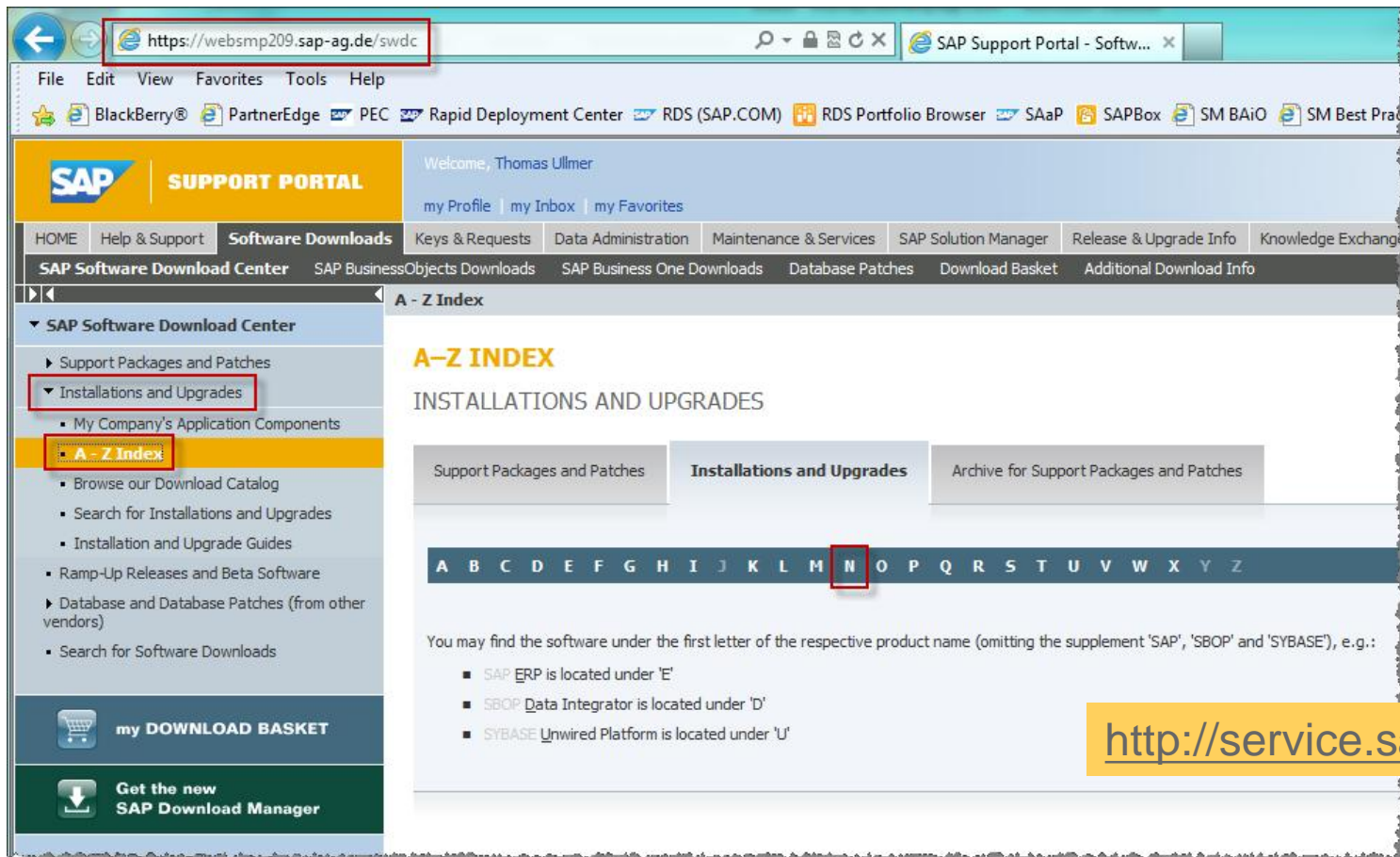
To support you in developing applications, SAPUI5 comes with the *SAPUI5 Application Development Tools*, a set of eclipse-based tools and editors. They provide wizards to create application projects and views according to the model-view-controller concept and other features like JavaScript code completion and in-place preview.

User Interface Integration

UI add-on for SAP NetWeaver offers a set of back-end services and front-end services. To decouple your UI, you use OData services for ABAP-based back-end systems based on an OData channel that is part of *SAP NetWeaver Gateway*. To couple to a new UI technology, you use front-end services.

<http://help.sap.com/nw-uiaddon>

Where to D/L NWBC 4.0



<http://service.sap.com/swdc>

Where to D/L NWBC 4.0

The image shows three overlapping screenshots of the SAP NetWeaver Business Client installation and upgrade pages, illustrating the navigation path to download NWBC 4.0.

Top Screenshot: The page is titled "INSTALLATIONS AND UPGRADES - N". It lists several options, with "NETWEAVER BUSINESS CLIENT" highlighted by a red box.

Middle Screenshot: The page is titled "INSTALLATIONS AND UPGRADES - N". It shows the navigation path: "Installations and Upgrades - N → NETWEAVER BUSINESS CLIENT". Below this, it lists "NETWEAVER BUSINESS CLIENT" and its versions: "NWBC NW BUSINESS CLIENT 3.0", "NWBC NW BUSINESS CLIENT 3.5", and "NWBC NW BUSINESS CLIENT 4.0". The "NWBC NW BUSINESS CLIENT 4.0" link is highlighted by a red box.

Bottom Screenshot: The page is titled "INSTALLATIONS AND UPGRADES - N". It shows the navigation path: "Installations and Upgrades - N → NETWEAVER BUSINESS CLIENT → NWBC NW BUSINESS CLIENT 4.0". Below this, it lists "NWBC NW BUSINESS CLIENT 4.0" and its versions: "NWBC NW BUSINESS CLIENT 4.0" and "NWBC NW BUSINESS CLIENT 4.0". The "NWBC NW BUSINESS CLIENT 4.0" link is highlighted by a red box.

Downloads Section: The bottom screenshot also shows a "Downloads" section with the title "NWBC NW BUSINESS CLIENT 4.0". It contains instructions: "Select multiple files and then click 'Add to download Basket' to download more than one file at a time. Get more archives." and "Click on [icon] to request a Side effects report." Below the instructions are four buttons: "Add to Download Basket", "Maintain Download Basket", "Select All", and "Deselect All".

Direct D/L: <http://goo.gl/saiyA>

Consider note [1707626](#)

Summary

SAP Netweaver Business Client is...



Free of charge & available
SAP Service Marketplace



Easy to setup and to test
NWBC Documentation, transition features for existing SAP GUI users



Universal and flexible
Role-based setup, distribution features, system landscapes



Integrative
Multiple UI technologies, applications and systems in one user environment

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- SAP Screen Personas
- POWL
- HTML5 / UI5
- Floorplan Manager (FPM)
- Roles

Outlook

- Responsive Design
- App Designer
- Theme Designer
- UI Investigator Tool

Appendix

- Examples of renewed screens
- NWBC use cases

The Side Panel



New with NWBC 3.5

Instant value for SAP GUI

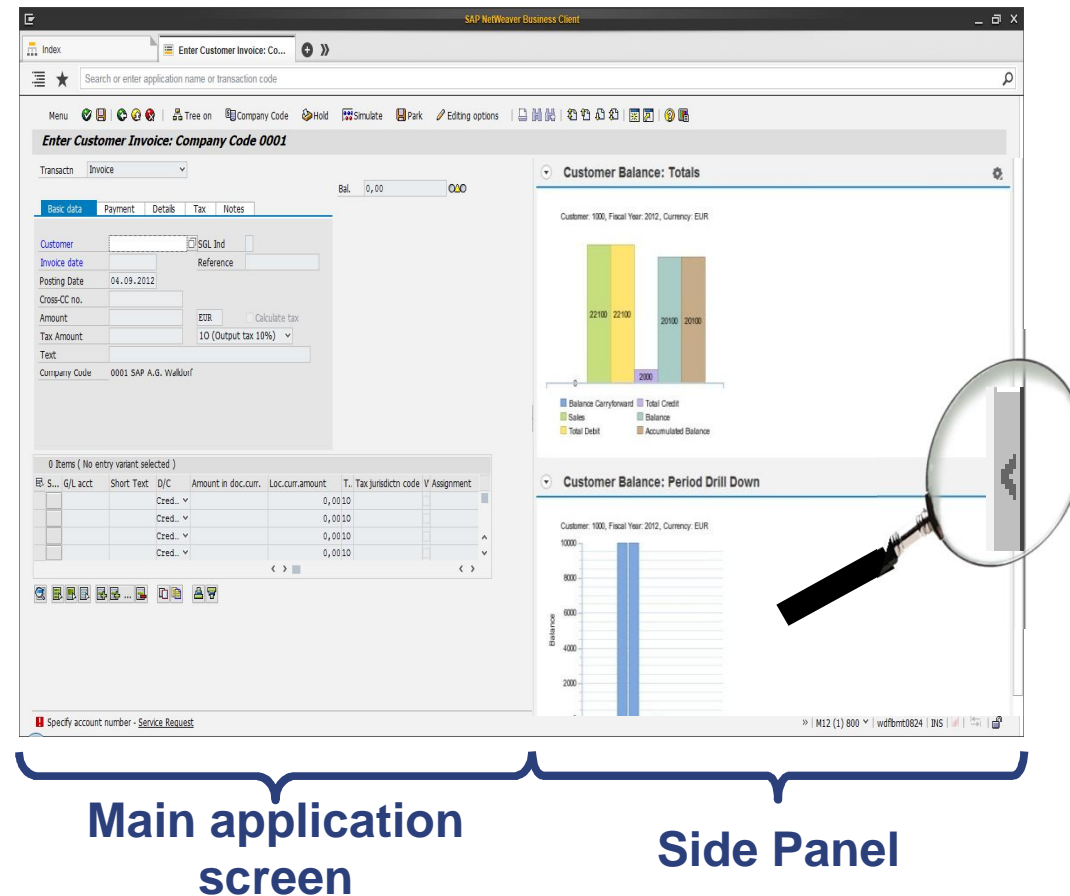
- > 500 SAP GUI applications in EHP6
- > 900 for EHP6, SP4
- In Financial Accounting, Controlling, Logistics, SD, Manufacturing, Industries and more
- > 70 reusable CHiPs
- RDS content and services available

Benefits: End Users

- No configuration effort
- **Improve user productivity**

Benefits: Admin/ Developers

- Easy configuration & extension
- ... without modification
- **No risk**
- **Low implementation costs**



Side Panels

Master Data Details

- Show additional data for business objects
- Can handle multiple business objects at the same time
- Highly configurable
- Higher productivity

The screenshot displays the SAP NetWeaver Business Client interface. The main window is titled "Correct G/L account item". The left pane shows a form for "Account item" with fields for "Trdg Part.BA", "Order", "Network", "Quantity", "Due on", "Assignment", and "Text". The right pane is titled "Sidepanel" and contains two sections: "G/L Account" and "Customer".

G/L Account

Company Code:	1000
G/L Account:	470400
Short Text:	RE Apport.Oper.Costs
G/L Acct Long Text:	RE Apportionable Operating Costs
Chart of Accounts:	INT
G/L Account Group:	PL
Balance Sheet Account:	
Account currency:	EUR
Group Account Number:	
Trading Partner:	
Indicator: Is account only posted to automatically...	<input type="checkbox"/>
Indicator: Account marked for deletion?:	<input type="checkbox"/>
Date on which the Record Was Created (in CoA):	24.07.1997
Name of Person who Created the Object (in CoA):	SAP

Customer

Customer:	1780
Name:	SAP AG Walldorf
Language Key:	DE
Country:	DE
Postal Code:	69190
City:	Walldorf
Street:	Dietmar-Hopp Allee 16

Side Panels

Third-Party Web Content – such as Google Maps

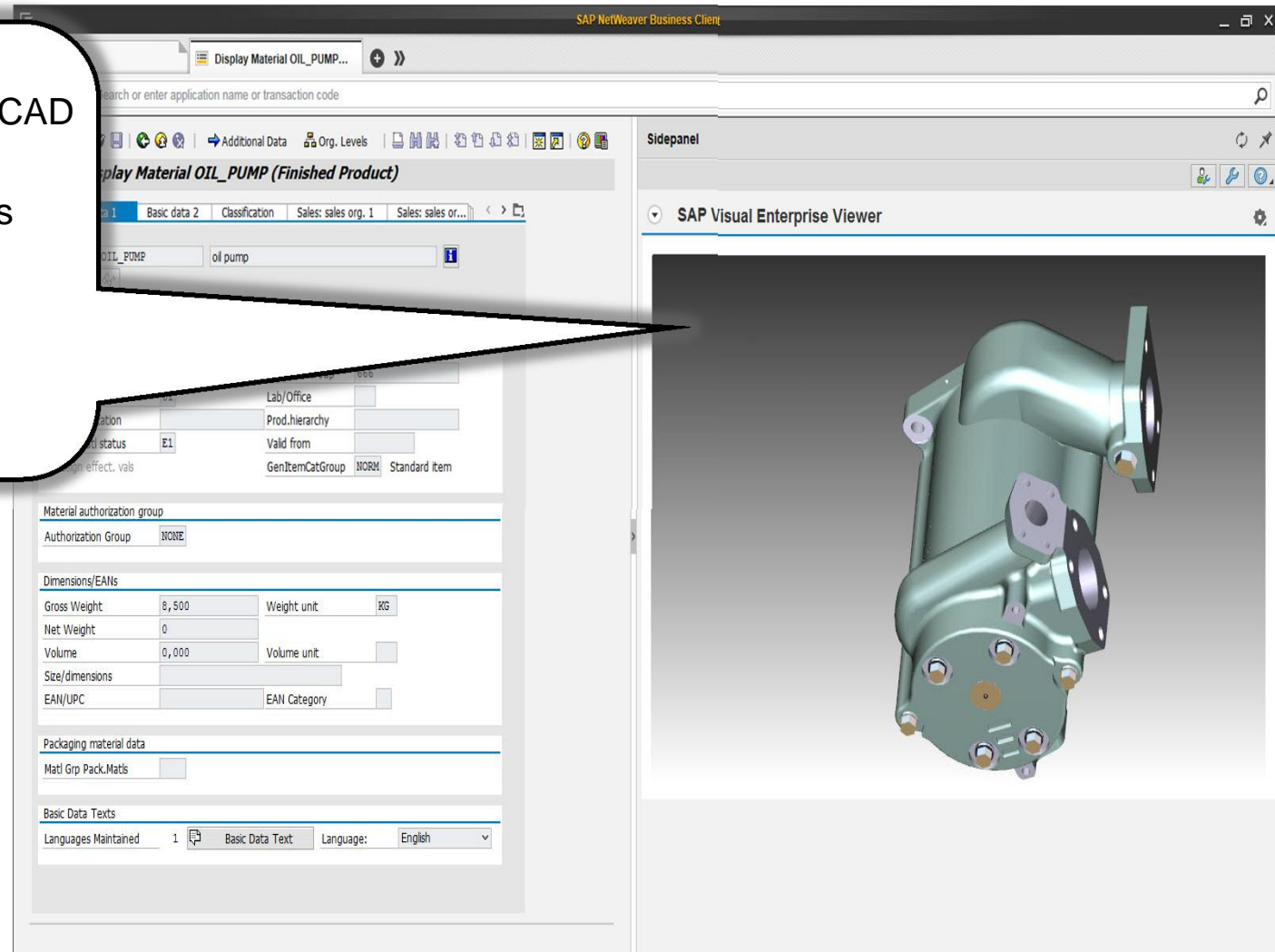
- Mashups with both SAP and third-party content
- Data extracted from SAP transaction/application is passed to third-party application
- Highly configurable

The screenshot displays the SAP NetWeaver Business Client interface. The main window shows a transaction titled 'Enter Customer Invoice: Co...' with a search bar and various icons. Below this, there's a section for 'Company Code 1000' with fields for 'Bal.' (0,00) and 'Customer'. A callout bubble points to the 'Customer' field, which contains the address: 'SAP AG Walldorf, Dietmar Hopp Allee 16, 69190 Walldorf'. To the right, a 'Sidepanel' is open, displaying 'Google Maps' with a satellite view of the Walldorf area. The side panel includes navigation controls and a search bar. The bottom of the main window shows a table with columns: 'S...', 'G/L acct', 'Short Text', 'D/C', 'Amount in doc.curr.', 'Loc.curr.amount', 'T.. Tax jurisdicn code', and 'V Assignment'. The table is currently empty, showing '0 Items (Screen Variant : Standard 4)'.

Side Panels in Manufacturing

3D Visualization with SAP Visual Enterprise

- Fully integrates business data and CAD data
- Very large data sets
- Use cases
 - Engineering
 - Production
 - Sales



Side Panels at SAP

SAP StreamWork CHIPs

- Bring together:
 - People
 - Information
 - Process and structure
 - Security
- Results:
 - Increased productivity
 - Faster, better decision making
 - Greater commitment and action
 - Transparency and repeatability

The screenshot displays the SAP NetWeaver Business Client interface. The main window is titled "Display Customer: General Data" and shows a form for customer information. The form includes fields for "Search term 1/2" (CML), "Street Address" (Mitchell St SW 17), "Postal Code/City" (30313 Atlanta), "Country" (US USA), "Region", "Time zone" (CST), "Box Address", "Postal code", "Company Postal Code", "Communication" (Language: English, Other communication...), "Telephone", "Extension", "Mobile Phone", "Fax", "Extension", "E-Mail", and "StandardComm.Mtd".

On the right side, there are two side panels. The top panel is titled "Collaboration" and contains an "Activities" section with a table of activities:

Activity Name	Owner
Opp 114: Acme - RFID	Nick Cox
Acme Payment Terms & C...	Luis Taylor

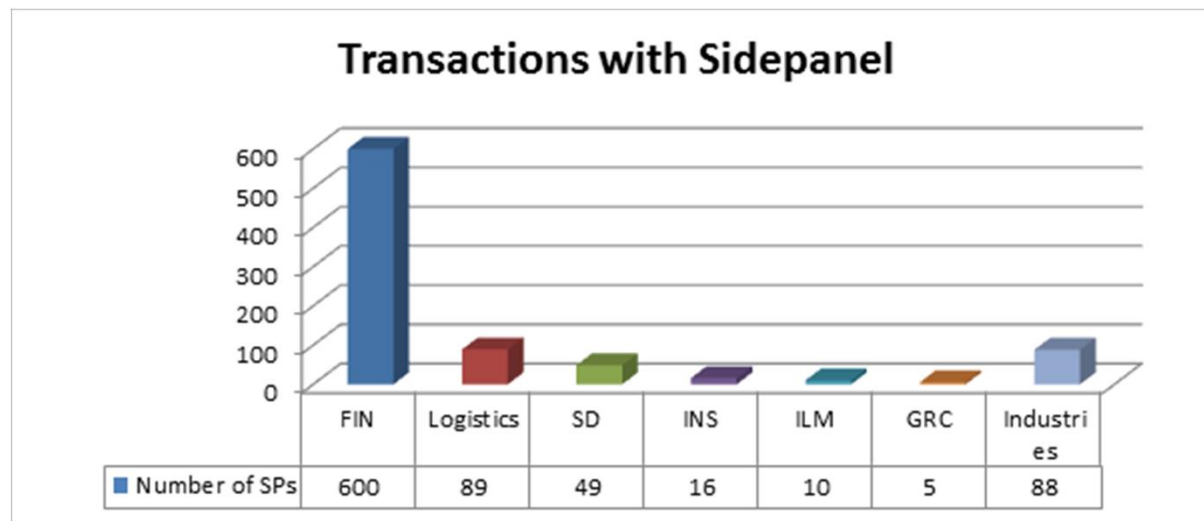
The bottom panel is titled "Feeds" and displays a list of activities with user avatars and timestamps. The activities include:

- Go ahead. We already got the approval from our CFO for Acme in the context of a previous project.
- Henry Ford modified the sign-off user list for the decision: Decision on Acme payment terms and conditions In: Acme Payment Terms & Conditions (activity) 03.05.2012 15:18:56
- Henry Ford joined the activity Acme Payment Terms & Conditions 03.05.2012 15:18:36
- Brian Johnson modified the sign-off user list for the decision: Decision on Acme payment terms and conditions In: Acme Payment Terms & Conditions (activity) 03.05.2012 15:16:14
- Brian Johnson locked the decision: Decision on Acme payment terms and conditions In: Acme Payment Terms & Conditions (activity) 03.05.2012 15:16:06

Side Panel Update

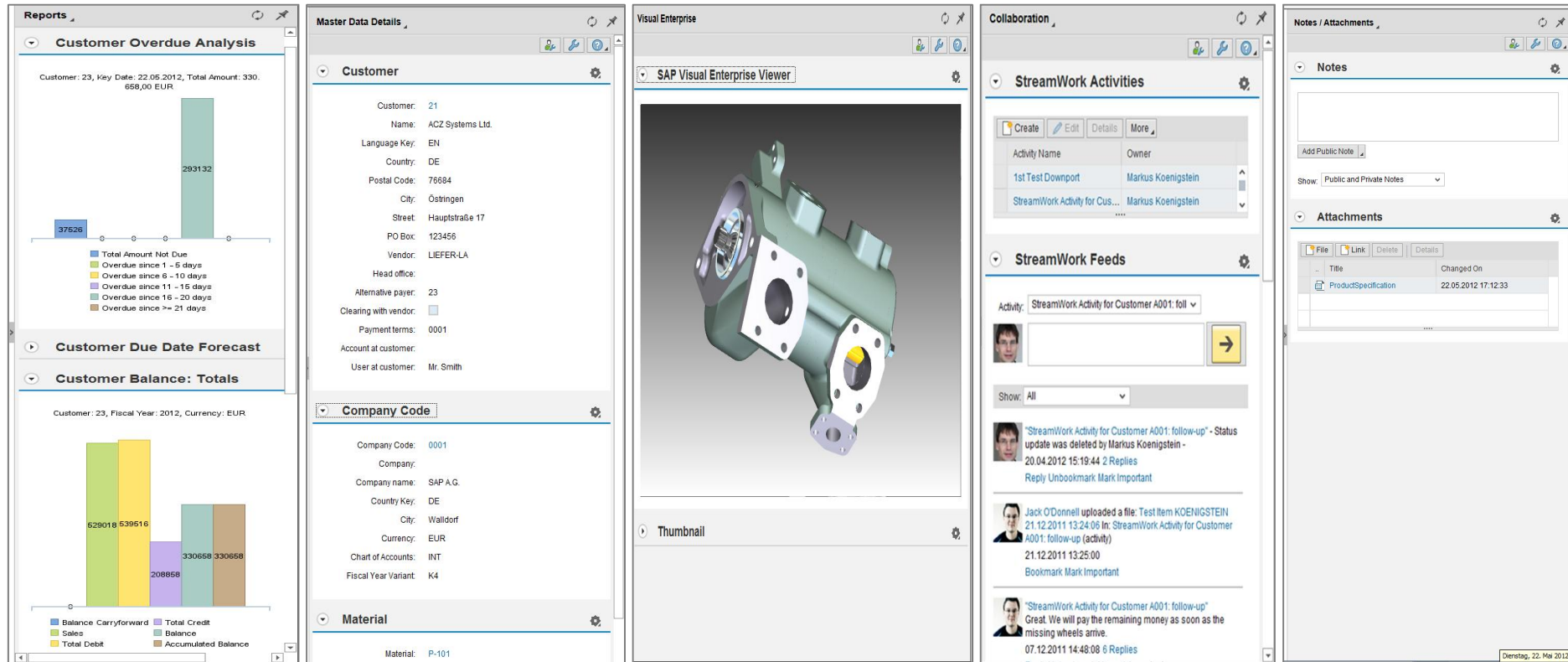
We have now more than 900 standard Suite transactions equipped with Sidepanels which we will ship with SP04 of EhP6 in August 2012. Priority was given to the most used transactions in the different application areas.

Furthermore, corresponding role content was developed and many additional fields were tagged so that customers and partners can easily enhance the UX of additional transactions by adding a Sidepanel on their own.



SAP UI Clients

NWBC - Sidepanel Variations



Reports

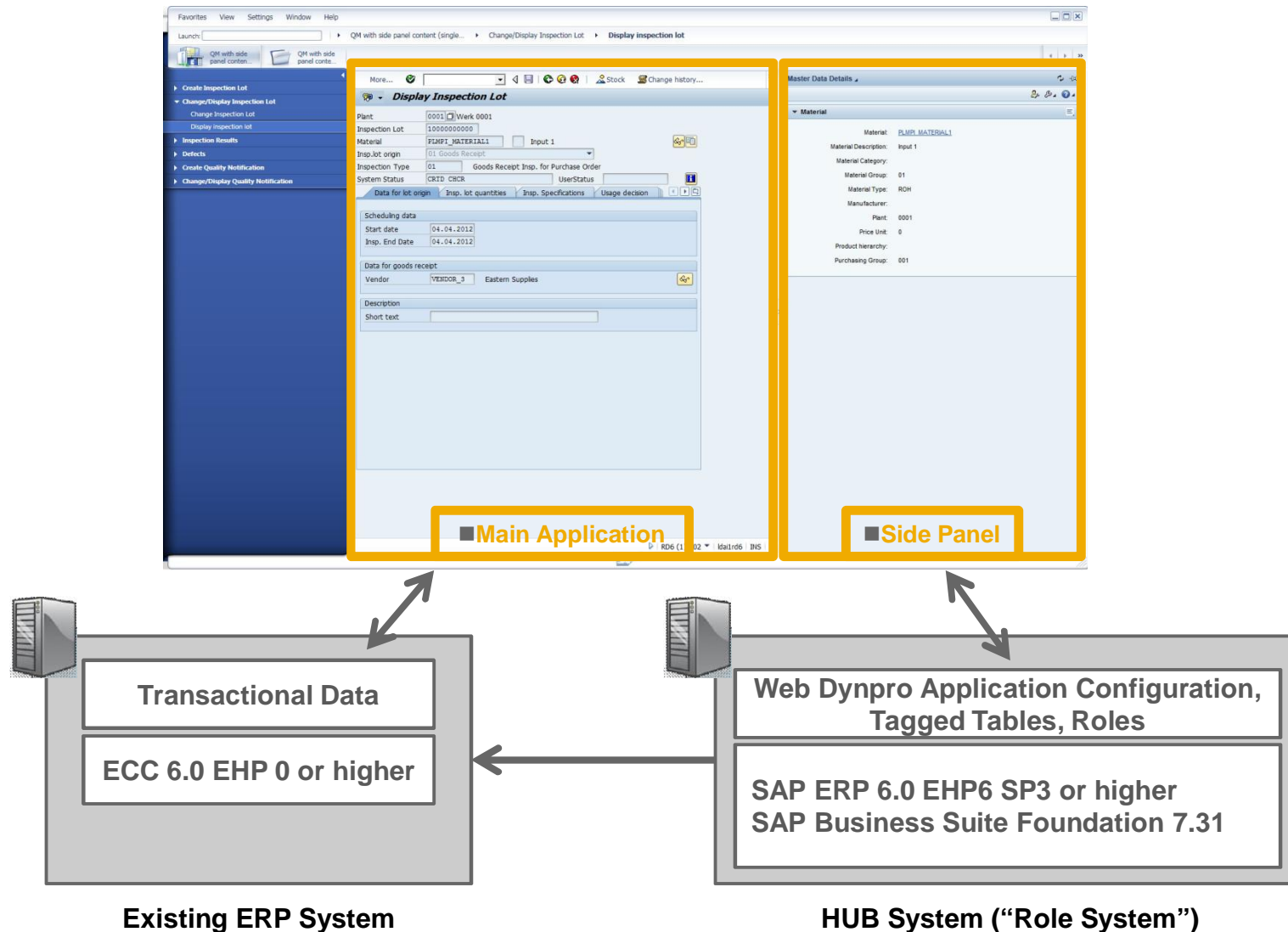
Application
Details

Visual Enterprise
Integration

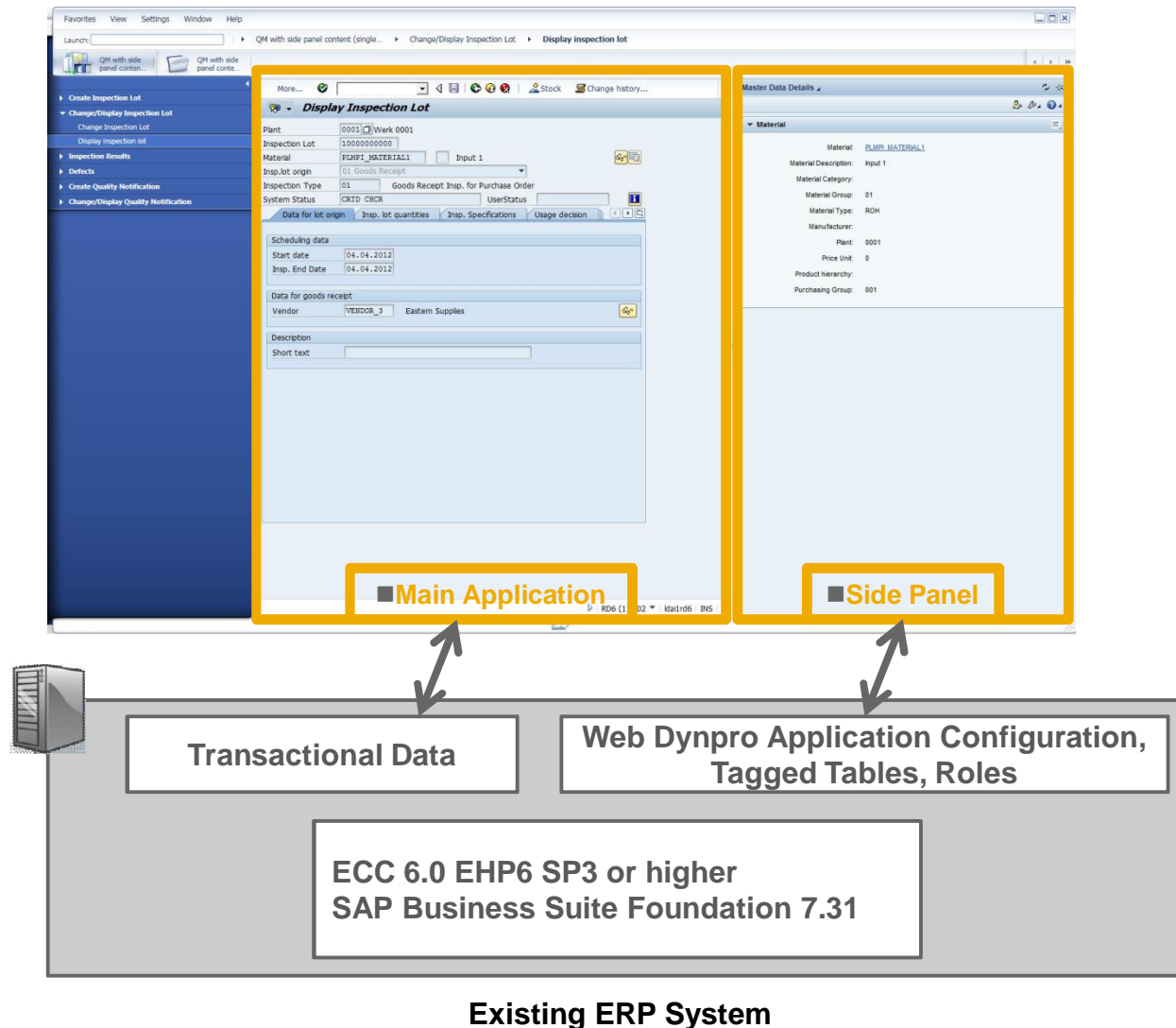
Social Media

Notes /
Attachments

System Landscape – Distributed System Scenario



System Landscape – Single System Scenario



System Requirements

Software

- SAP NetWeaver 7.31 System, Components SAP Basis and SAP NetWeaver Page Builder
- **Single System Scenario**
 - SAP ERP EHP6 SP3 or higher
- **Distributed System Scenario**
 - SAP Business Suite Foundation 7.31 in hub system
 - SAP ERP 6.0, EHP 0 or higher, for backend systems
- SAP NetWeaver Business Client for Desktop 3.5 and SAPGUI 7.2 Patch 9

Hardware

See Installation Guide for SAP NetWeaver 7.31 and SAP ERP ECC 6.0 – available at: <http://service.sap.com/instguides>

Operating system

See Installation Guide for SAP NetWeaver 7.31 and SAP ERP ECC 6.0 – available at: <http://service.sap.com/instguides>

Database

See Installation Guide for SAP NetWeaver 7.31 and SAP ERP ECC 6.0 – available at: <http://service.sap.com/instguides>

RDS package for SidePanel

The screenshot shows the SAP Service Marketplace website. The browser address bar is highlighted with a red box, showing the URL <https://websmp205.sap-ag.de/solutionpackages>. The left navigation pane shows a tree structure with 'SAP Rapid Deployment Solutions (RDS)' expanded. Under 'Technology', 'Application Foundation / Integration' is expanded, and 'SAP RDS for side-panel in NWBC' is highlighted with a red box. The main content area displays the title 'SAP RDS for side-panel in NWBC' and a section titled 'SAP RAPID-DEPLOYMENT SOLUTION OF SIDE PANEL CONTENT IN SAP NETWEAVER BUSINESS CLIENT'. Below this is a 'Solution Overview' section with a paragraph describing the solution and a list of key business process data areas: Financials, Procurement, Quality Management, and Sales & Distribution. A 'Benefits' section follows with a list of advantages such as increased user productivity, insight at the point of action, non-disruptive deployment, easy configuration, openness for partners, and low implementation costs.

SAP RDS for side-panel in NWBC

SAP RAPID-DEPLOYMENT SOLUTION OF SIDE PANEL CONTENT IN SAP NETWEAVER BUSINESS CLIENT

Solution Overview

SAP rapid-deployment solution of side panel content in SAP NetWeaver Business Client offers a package to enhance the user experience for SAP applications. It provides context-related business content and supplementary information (including external) taking SAP ERP transactional data to the next level, including master data, analytics and related services.

Users have key business process data at their fingertips for the following areas:

- Financials
- Procurement
- Quality Management
- Sales & Distribution

Using the flexibility of Web Dynpro Side Panel this is achieved without any additional code. The context is dynamically enhanced by SAP chips (CHIPs) like charts, forms, etc. that enhance the context of a transaction. The context is displayed in the SAP GUI. The data is presented in an easy to consume format which increases user productivity allowing users to make more informed business decisions in their every-day work.

Benefits

- Increased user productivity
- Provides insight at the point of action for better decisions
- Non-disruptive deployment: No customizing and coding of transactions
- Easy configuration & extension – no additional skill set required
- Open for partners and customers to create additional CHIPs and enhance SAP's CHIP catalog easily
- Low implementation costs

<http://service.sap.com/solutionpackages>

or directly via

<http://service.sap.com/rds-ui-sidepanel>

Confused?

Summary of milestones regarding Side Panel

- SAP ERP 6.0 EHP 0: Minimum requirement for Side Panel
- SAP ERP 6.0 EHP 5: Introduction of Side Panel, only for Web Dynpro ABAP
- SAP ERP 6.0 EHP 6 SP3: Introduction of Side Panel for SAPGUI-based transactions
> 500 transactions with Side Panel content
- SAP ERP 6.0 EHP 6 SP4: > 900 transactions with Side Panel content
- SAP rapid-deployment solution of side panel content in SAP NetWeaver Business Client
 - Service based on two deployment scenarios:
 - Single System (Availability of SAP ERP 6.0 EHP6 SP4 or higher)
 - Distributed System (Availability of SAP ERP 6.0 EHP0 or higher)

Topics

Strategy

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Educational offerings for partners

Technical details

- NWBC 4.0
- Side Panel
- **SAP Screen Personas**
- POWL
- HTML5 / UI5
- Floorplan Manager (FPM)
- Roles

Outlook

- Responsive Design
- App Designer
- Theme Designer
- UI Investigator Tool

Appendix

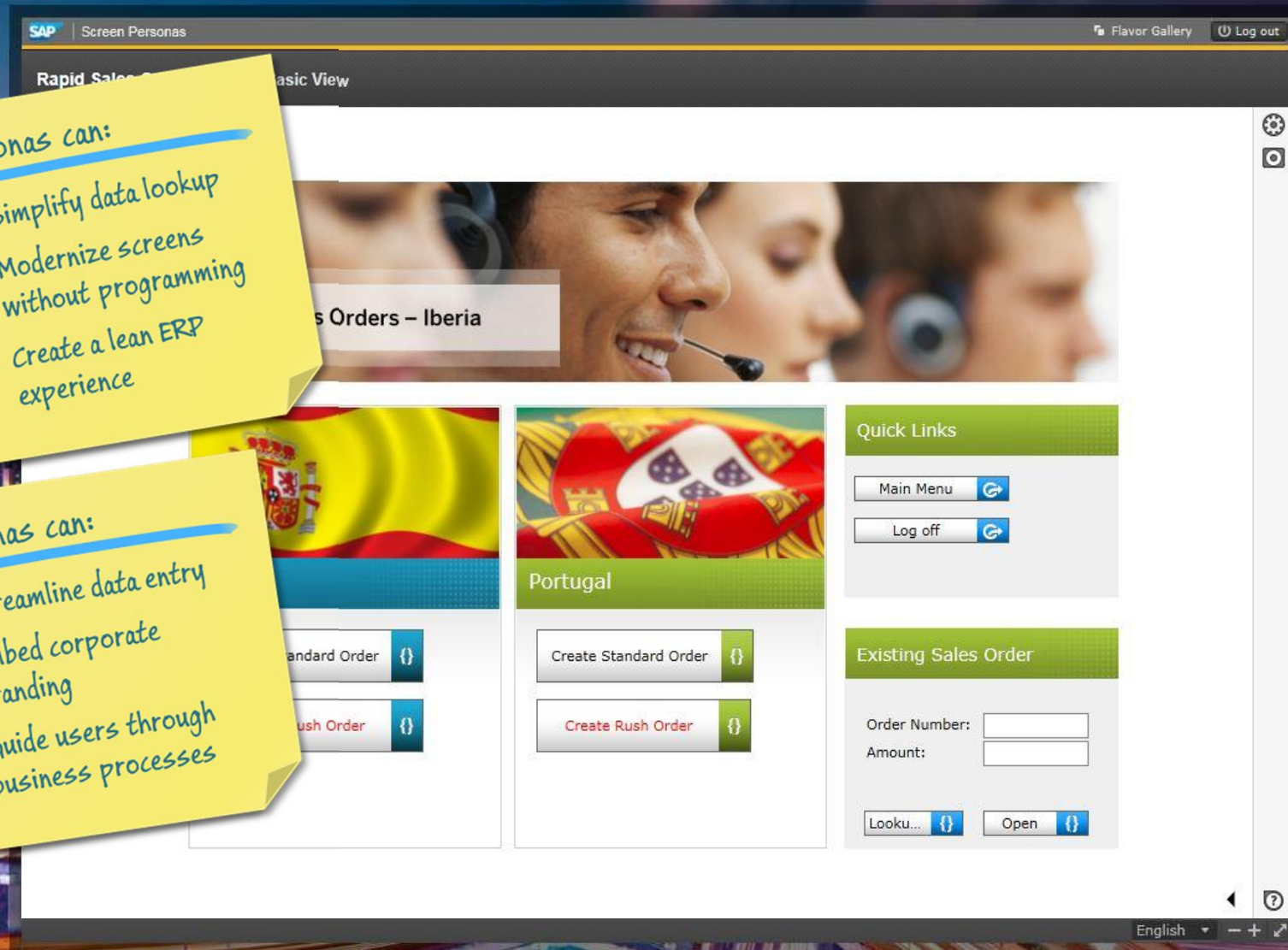
- Examples of renewed screens
- NWBC use cases

Personas can:

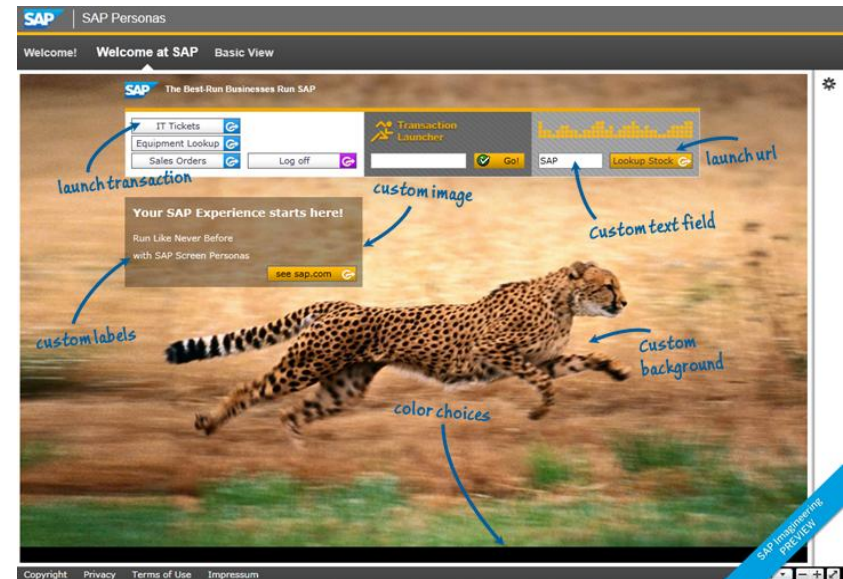
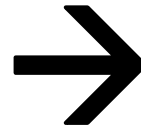
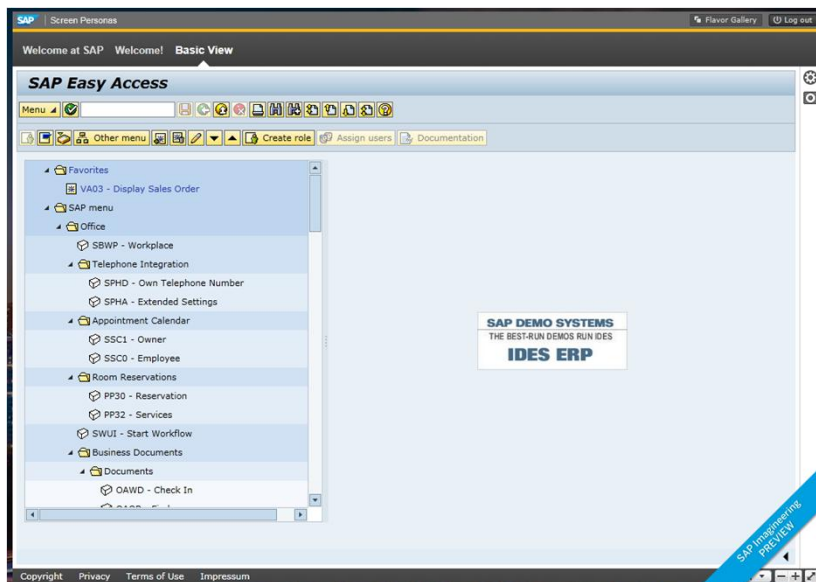
- ✓ Simplify data lookup
- ✓ Modernize screens without programming
- ✓ Create a lean ERP experience

Personas can:

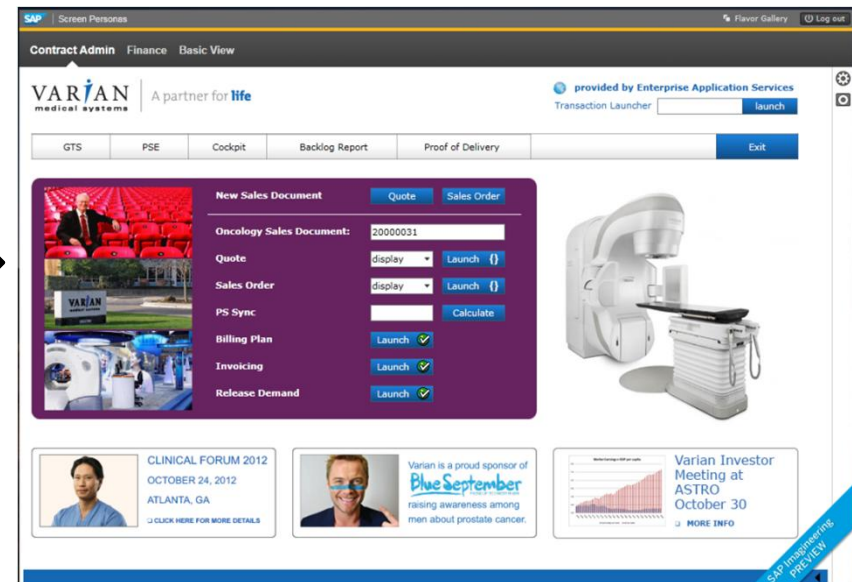
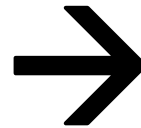
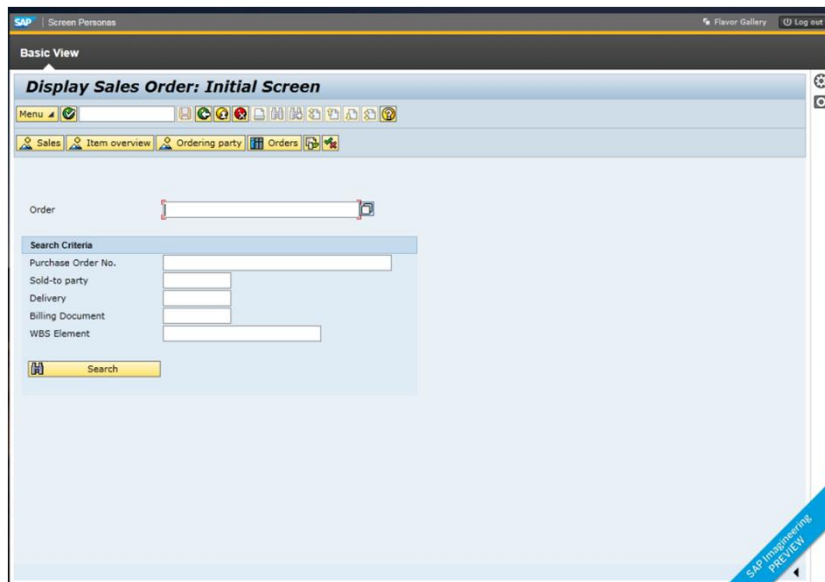
- ✓ Streamline data entry
- ✓ Embed corporate branding
- ✓ Guide users through business processes



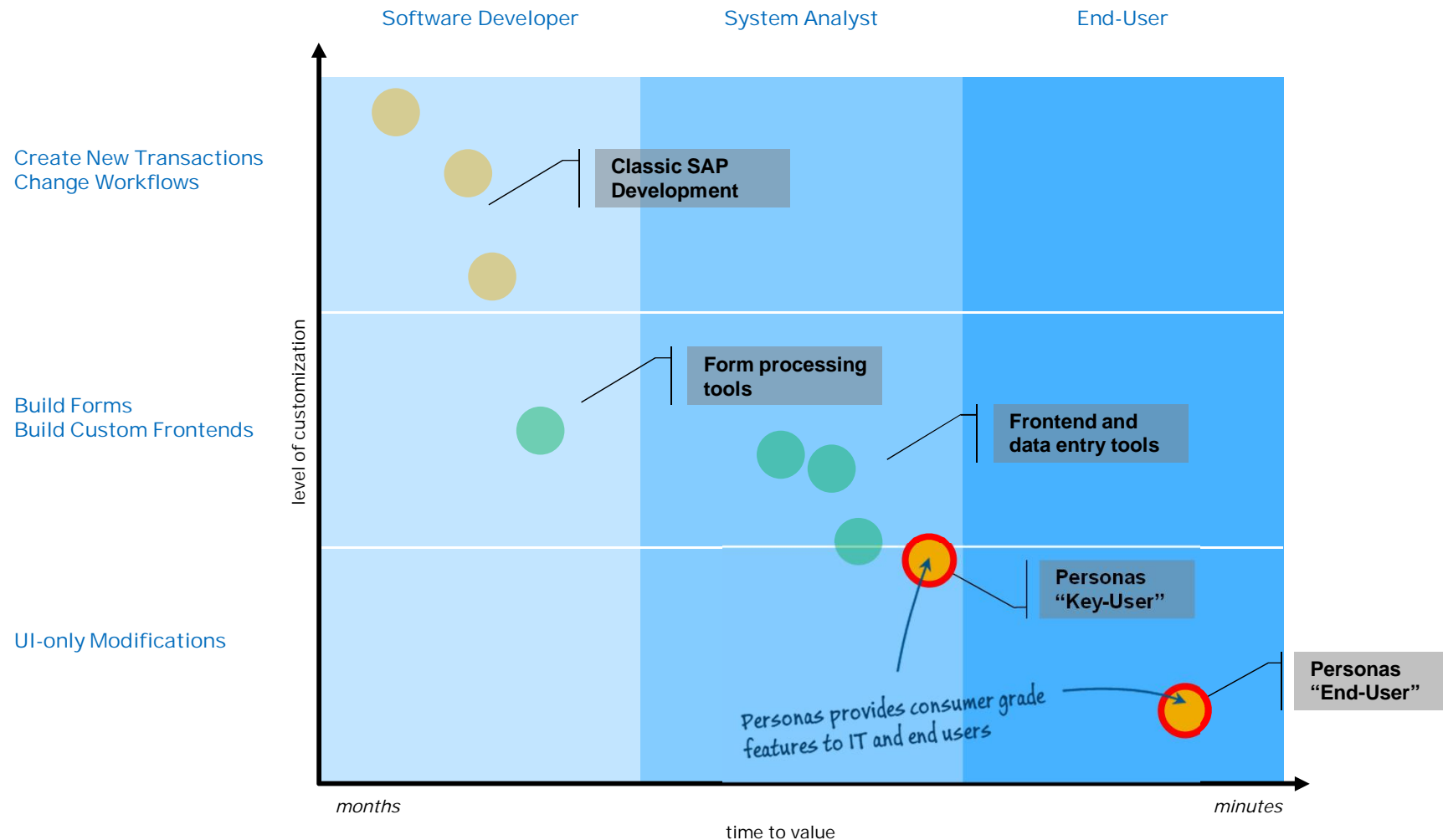
Simplify



Simplify



There are several options for personalizing SAP



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NWBC: Power Lists

The POWL (Personal Object Work List) or POWER (Personal Object Work Entity Repository) List offers a central personalized access to all relevant work lists.

- **Power lists are**

- Created using Web Dynpro ABAP
- Provided predefined by SAP

- **Power lists support:**

- Simplified access applications
- Direct visualization of several business objects on the overview screen
- Easy personalization of the selection criteria and layout of the list by end users
- Easy creation of new power lists by partners/end users with the Power List Framework

Customer Cockpit: Customer domestic 00 (100000)

Sales Organisation Dom: Sales Org (1000) Distribution Channel: Direct Sales (10) Division: Product Division 10 (10)
Customer Group: Retail (02) Default Pricing Group: Price List Category:

Refresh Display Another Sales Area Other Activities Information on Customer

General Customer Data

House No. / Street: 800 / Hauptstrasse
City / State / Zip Code: Walldorf / Baden-Württemberg / 69190
Country: Germany
Language: German

Communication Data

Phone: +496227710000
Fax: +496227710001
E-mail:
Web site:

Last 10 Sales Documents(10) Order Tracking(111) Open Quotations(0) Sales Document Search(112) Deliveries(78) Open Billing Documents(77) Contact Persons(1)

Show Quick Criteria Maintenance Change Query Define New Query Personalize

View: [Standard View] Display Change Display Customer Customer Fact Sheet Print Version Export Filter Settings

Sales Document	Sales Document Type	Sold-To Party (ID)	Texts	Sold-To Party	PO number	Created on
171	Standard Order	100000	0	Customer domestic 00		05.06.2012
168	Standard Order	100000	0	Customer domestic 00	PO_01	29.07.2011
167	Standard Order	100000	0	Customer domestic 00	111	29.07.2011
166	Standard Order	100000	0	Customer domestic 00	x1	08.02.2011
165	Standard Order	100000	0	Customer domestic 00	4711	01.02.2011
163	Standard Order	100000	0	Customer domestic 00	PO_3	01.02.2011
162	Standard Order	100000	0	Customer domestic 00	4711	01.02.2011
161	Standard Order	100000	0	Customer domestic 00	PO_1	01.02.2011
157	Standard Order	100000	0	Customer domestic 00	dw	21.12.2010
156	Standard Order	100000	0	Customer domestic 00	dw	21.12.2010

Last Refresh 23.08.2012 15:58:20 CET Refresh

Refresh Display Another Sales Area Other Activities Information on Customer

Detailed additional information about POWL

The screenshot displays the SAP Service Marketplace interface. The browser address bar shows <https://websmp209.sap-ag.de/bestpractices>. The left sidebar lists navigation options, with 'Cross-Industry Packages' selected. The main content area shows a table of packages:

Cross-Industry	Documentation
Business Intelligence (based on SAP BusinessObjects)	Info
Business Warehousing (based on SAP NetWeaver)	Info
Business Warehousing (based on SAP NetWeaver Business Warehouse and SAP BusinessObjects)	Info
Business Network Integration	Info
Business Network Integration - Subsidiary Integration in One Client	Info
Customer Relationship Management	Info
E-Commerce with SAP ERP	Info
Enablement Kit	Info
Enterprise Information Management: Data Migration and Data Quality	Info
Enterprise Information Management: Information Governance (pilot)	Info
Environment, Health, and Safety Management	Info
Governance, Risk, and Compliance	Info
Human Capital Management	Info
Mobile Apps and Infrastructure	Info
Planning and Consolidation for Microsoft Platform	Info

A yellow callout box displays the URL: <http://service.sap.com/bestpractices>

Enablement Kit for SAP NetWeaver Business Client V1.30

Material Number: 500 985 59 (DVD)
Last Update: March 2010

Languages: [English](#)

Detailed additional information about POWL

SAP Home | Sitemap | SAP Business

Home
Overview & Features
POWER Lists
Roles
Reports
Enablement Kit Assistant
Installation & Upgrade
Demo & Evaluation
Implementation Project
Feedback & Support

POWER LISTS

THE SINGLE POINT OF ENTRY FOR YOUR DAILY TASKS

The POWER Lists (Personal Object Work Entity Repository Lists) are a tool to visualize specific business objects. Starting from the list, a user can launch transactions based on a selected business object which opens up in a new session in the client. The POWER List is the key element to enable the business object oriented navigation. They are used as central access points to manage and track object related tasks. Business users are provided with a general overview of their work environment and all related business objects (for example, billing documents).

The enhancement package 3 for SAP ERP provides a set of pre-defined POWER Lists, containing pre-defined settings and personalization. The available How-to Guides in this section (see the box at the right hand side) explain how to adapt the POWER Lists, how to create completely new lists and how to work with POWER Lists in general.

Documentation
[How to Use Power Lists](#)
[How to Develop Power Lists](#)

Documentation
[Overview Presentation](#)
[How-to Guide](#)

Additional Documentation for EhP4
[Dynamic variables in POWL](#)
[Visible fields in POWL](#)
[Remote POWL](#)

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SAP UI Technologies

SAP UI Development Toolkit for HTML5 (aka SAPUI5)



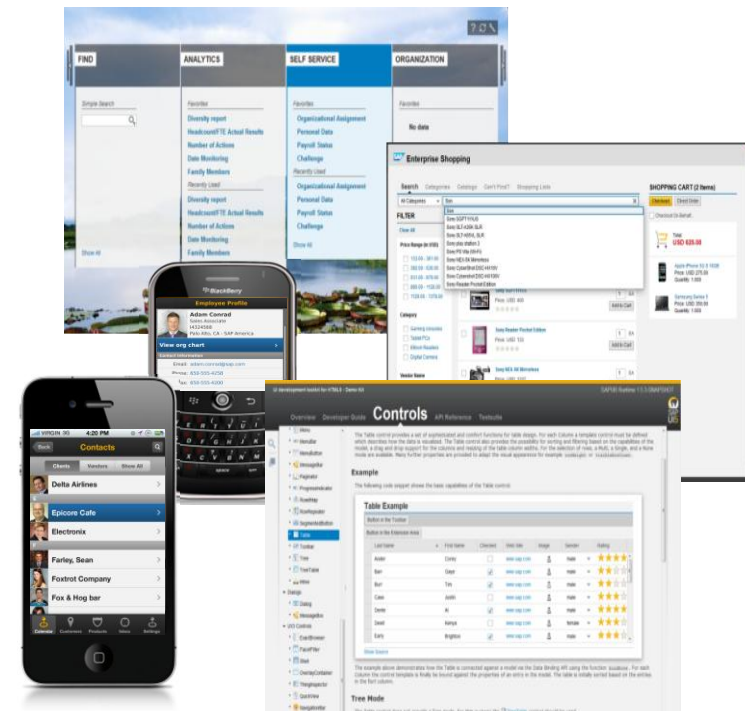
SAPUI5 is a client-side **HTML5** and **Java Script** based rendering library and programming model. It combines **openness**, **flexibility**, **enterprise readiness** and **product standard support**.

key capabilities

- › rich control set for desktop and mobile incl. charts
- › application & control development environment
- › oData integration for timeless software
- › extensibility concepts for “custom controls”
- › embraces “Open Source” framework(s) and web standards

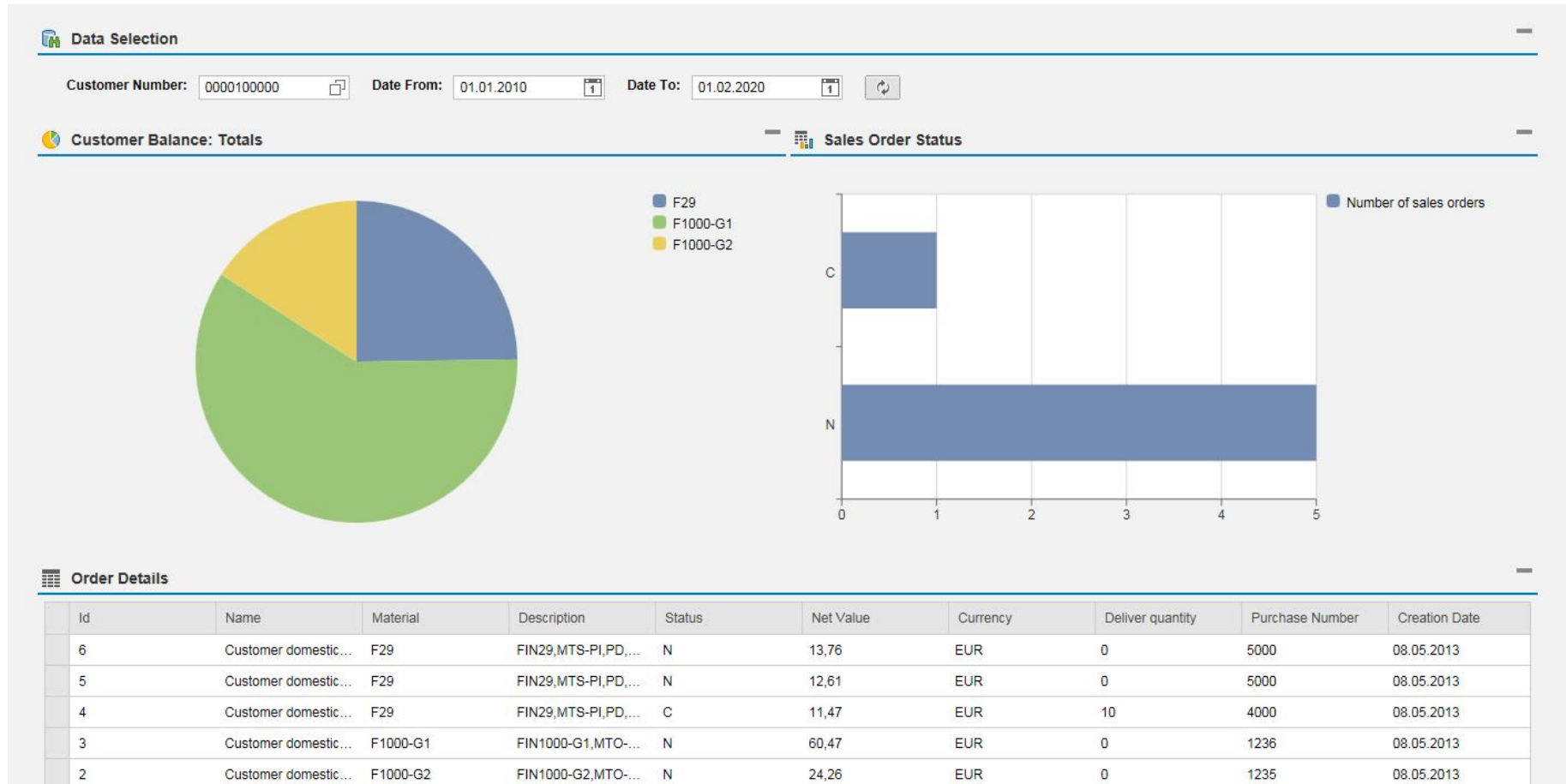
benefits

- › business agility through availability on any device & for any platform
- › user productivity and happiness through increased flexibility, openness and pixel perfect design



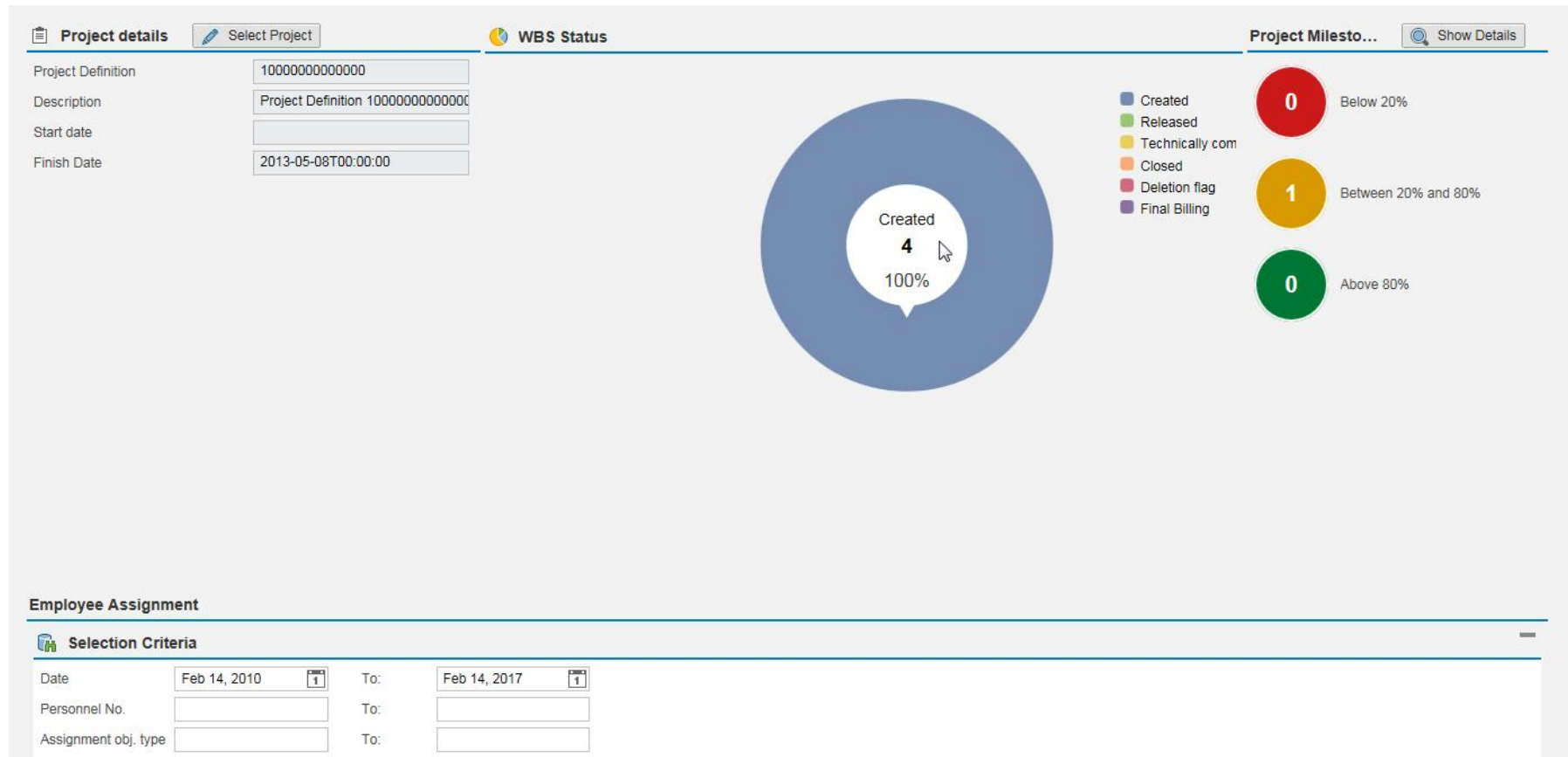
RDS package for SAP UI5 (HTML5)

Scenario 1: Sales



RDS package for SAP UI5 (HTML5)

Scenario 2: Projects



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In More Detail: Floorplans

Floorplans ...

- ... are design templates for applications
- ... accomplish certain activities
- ... are highly configurable

The screenshot displays a 'Personal Profile' form with the following sections:

- Personal Data:** Includes a photo of a man, Name: Alexander Joseph, and Date of Birth: 01.01.1970.
- Addresses:** Includes a tab for 'Permanent residence' with details: Street Name: Hildesheimer Straße 3, City: Hildesheim, Telephone Number: +49 5121 56849, and Valid From: 24.03.2010.
- Bank Information:** Includes a tab for 'Main bank' with details: Payee: Alexander Joseph, Bank name: Citibank, and Bank Account: 12345678912345.
- Family Members / Dependents:** Includes a tab for 'Spouse' with details: Name: Carmen Joseph, Date of Birth: 01.01.1972, and Valid From: 15.04.2010.
- Internal Data:** Includes details: Building Number: WDF01, Room Number: C1, License Plate Number, and Valid From: 24.03.2010.

Overview Page Floorplan (OVP)

Designed for object overview & maintenance

Available with NW 7.02

Guided Activity Floorplan (GAF)

Designed for step-by-step processes

Available with NW 7.01

Object Instance Floorplan (OIF)

Designed for object maintenance

Available with NW 7.01

Also available: QAF (Quick Activity Floorplan)

Overview Page (OVP) Floorplan

SAP Business Client Log Off

Employee Self Service

Employee Self Service > Personal Information > Personal Profile

Personal Profile

Highly personalizable screen layout

Sections & various layout variants

Stackable panels: Collapsible & moveable

Additional page types: Suboverview, Edit, Confirmation & Page Master

Personal Data

Name: Alexander Joseph
Date of Birth: 01.01.1970

Bank Information ☐ Other bank ☐ Travel Expenses

Main bank
Payee: Alexander Joseph
Bank name: Citibank
Bank Account: 12345678912345

Addresses ☐ Temporary residence ☐ Home address ☐ Emergency address

Permanent residence
Street Name: Hildesheimer Straße 3
City: Hildesheim
Telephone Number: +49 5121 56849
Valid From: 24.03.2010

Family Members / Dependents ☐ Spouse ☐ Child

Name: Carmen Joseph
Valid From: 15.04.2010

Internal Data

Building Number: WDF01
Room Number: C1
License Plate Number:
Valid From: 24.03.2010

Guided Activity Floorplan (GAF)

Report Incident [Help](#)

1 Basic Data → 2 Injured → a Basics → b Injuries → c Causes → d Summary → 2 Injured → 3 Witnesses → 4 Equipment → 5 Equipment → 6 Medical → 7 Site →

Previous Next

**Clickable roadmap
with optional
subroadmap**

**Toolbar with standard
buttons
& step-specific buttons**

Injured Person
Name: Karl Laglerfeld

How was the person injured?
Classification: Injury
Injury/Illness Type: Burns and corrosions of external body...
Body Part: Ear
Body Side: Left
Description:

Which first aid and initial treatment measures were administered?
Description:

Previous Next

Object Instance Floorplan (OIF)

Standard Order: 5405

[Help](#) [Change Configuration](#) [Application Hierarchy](#)

Sales Organization: Germany Frankfurt, Final Customer Sales, Cross-divisionN

Total Net Value: 22.000,00 DEM Total Amount: 25.300,00 DEM Credit Check Status: Not performed

[Save Document](#) [Save and Follow Up](#) [Delete Document](#) [Read Only](#) [Print Preview](#) [Cancel](#) You can also

Extended header area & toolbar

View switches (tabs)

View switches (tabs) & subviews

Document Header

Sales document type: Standard Order

Sold-to party: A.I.T. GmbH / Landsbergerstrasse 54 / 50997 Koeln

Ship-to party: A.I.T. GmbH / Landsbergerstrasse 54 / 50997 Koeln

PO number:

Purchase order date:

Order reason:

Delivery block:

Requested deliv.date: *

Delivering Plant:

Variant concept (depending on parameters)

Item Overview

[Delete](#) [Check Availability](#) [Update Prices](#) [Other Functions](#)

Item	Plant	Material	Order quantity	Price grp	Sales unit	Del.Blckd.	Rejected
10	1000	P-109	4,000	01	PC	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

Item Details **Product Availability** **Pricing** **Business Partner** **Texts**

Reason for rejection:

Billing block:

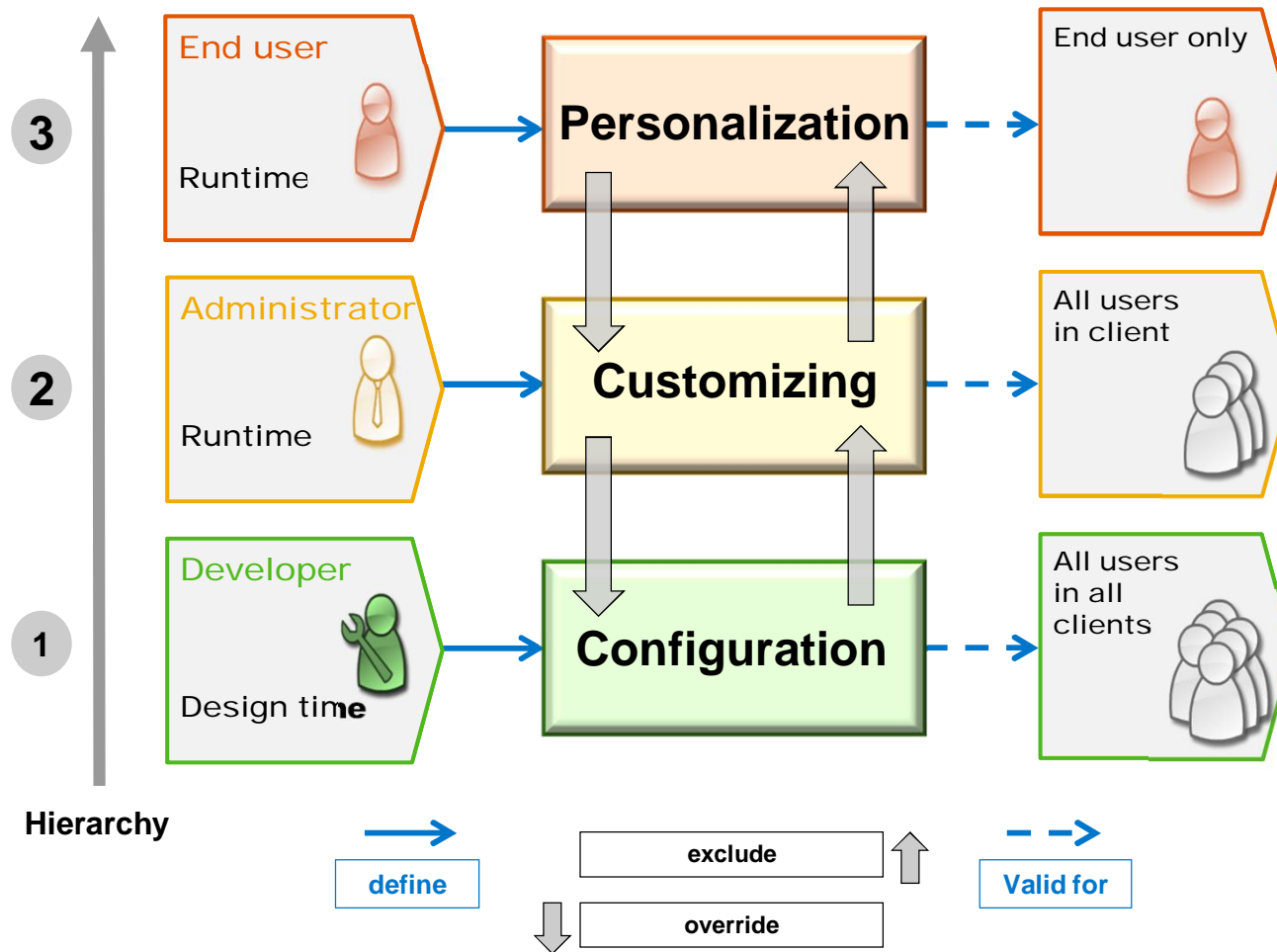
Incoterms:

Payment terms: 14 Days 3%, 30/2%, 45 net

Plant: Hamburg Plant

Shipping Point/Receiving Pt: Shipping Point HamburG

Interaction of FPM / WDA Adaptation Layers



Generic UI Building Blocks (GUIBBs) – 1

Basic Idea

Guideline conforming content templates

Full integration into FPM framework

Generic configuration based on feeder classes

Generic feeder classes available (e.g. for BOL)

Purchase Order Details [Edit](#)

General Data	Supplier
Purchase Order ID: 300001727	Supplier ID: 100000000 SAP
Employee Responsible: EPM USER	Street/ House Number: Dietmar-Hopp-Allee 15
	ZIP Code/ City: 69190 Waldorf
Processing Data	Country: DE Germany
Lifecycle Status: New	Show on Map
Approval Status: Initial	
Confirmation Status: Initial	Value
Delivered: <input type="checkbox"/>	Total Net Amount: 956,00 EUR
	Total Tax Amount: 181,64 EUR
Dates	Total Gross Amount: 1.137,64 EUR
Created: 14.07.2011 13:13 CET	



Items [Edit](#) [Add](#)

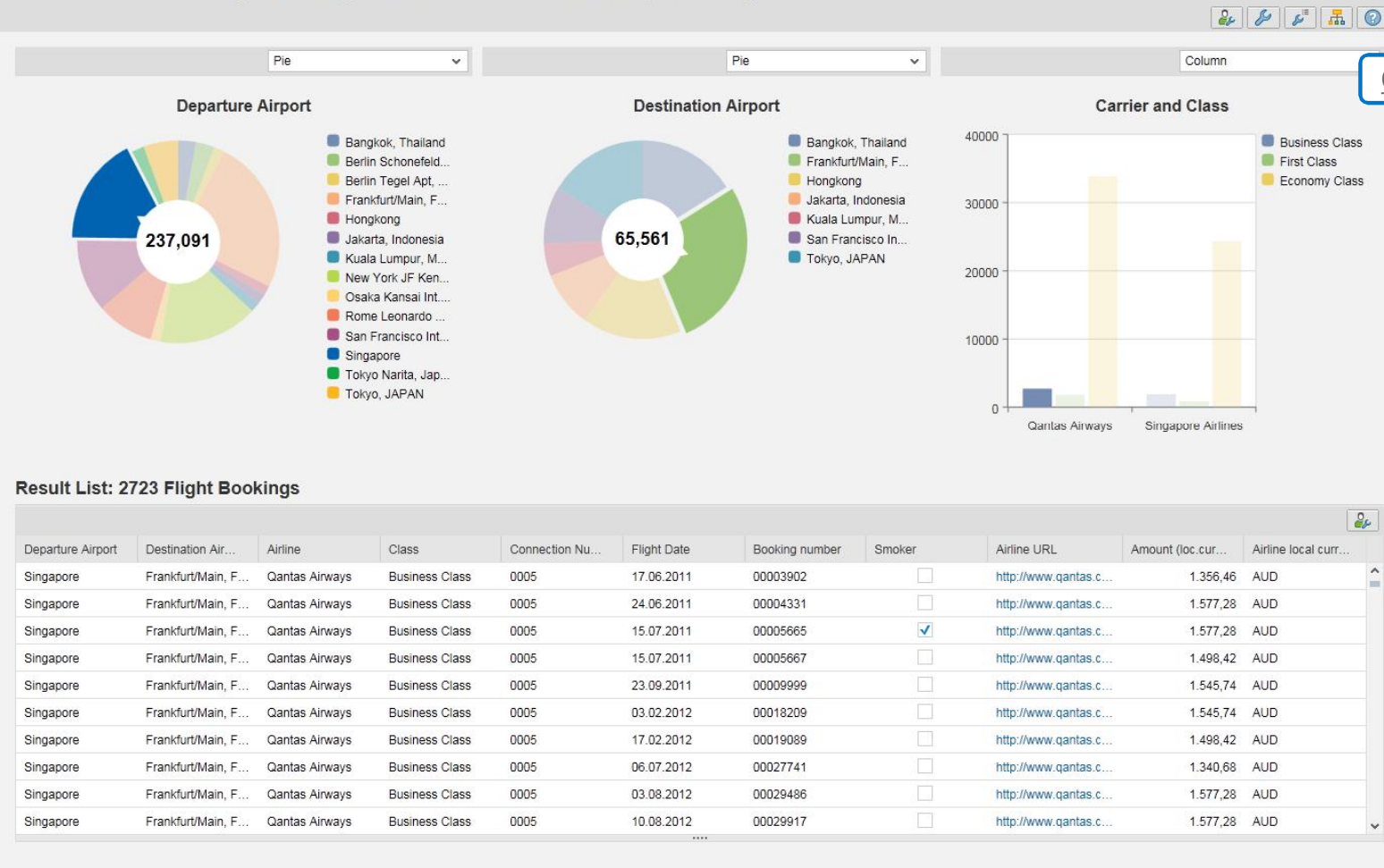
Actions	Position	Product ID	Description	Quantity	Quantity Unit	Gross Amount	Currency
	10	HT-1600	1.8 GHz, dual core, 512 MB Ram, 100 ...	3,000	EA	2.142,00	ARS
	20	HT-1022	High resolution 320x480 transfective ...	1,000	EA	243,95	ARS
	30	HT-1107	Complete package, 1 User, bring your...	3,000	EA	106,74	ARS
	40	HT-1600	1.8 GHz, dual core, 512 MB Ram, 100 ...	1,000	EA	714,00	ARS
	50	HT-1022	High resolution 320x480 transfective ...	3,000	EA	731,85	ARS

POWL UIBB
Analytic GUIBBs

Floorplan Manager

Drill down capabilities

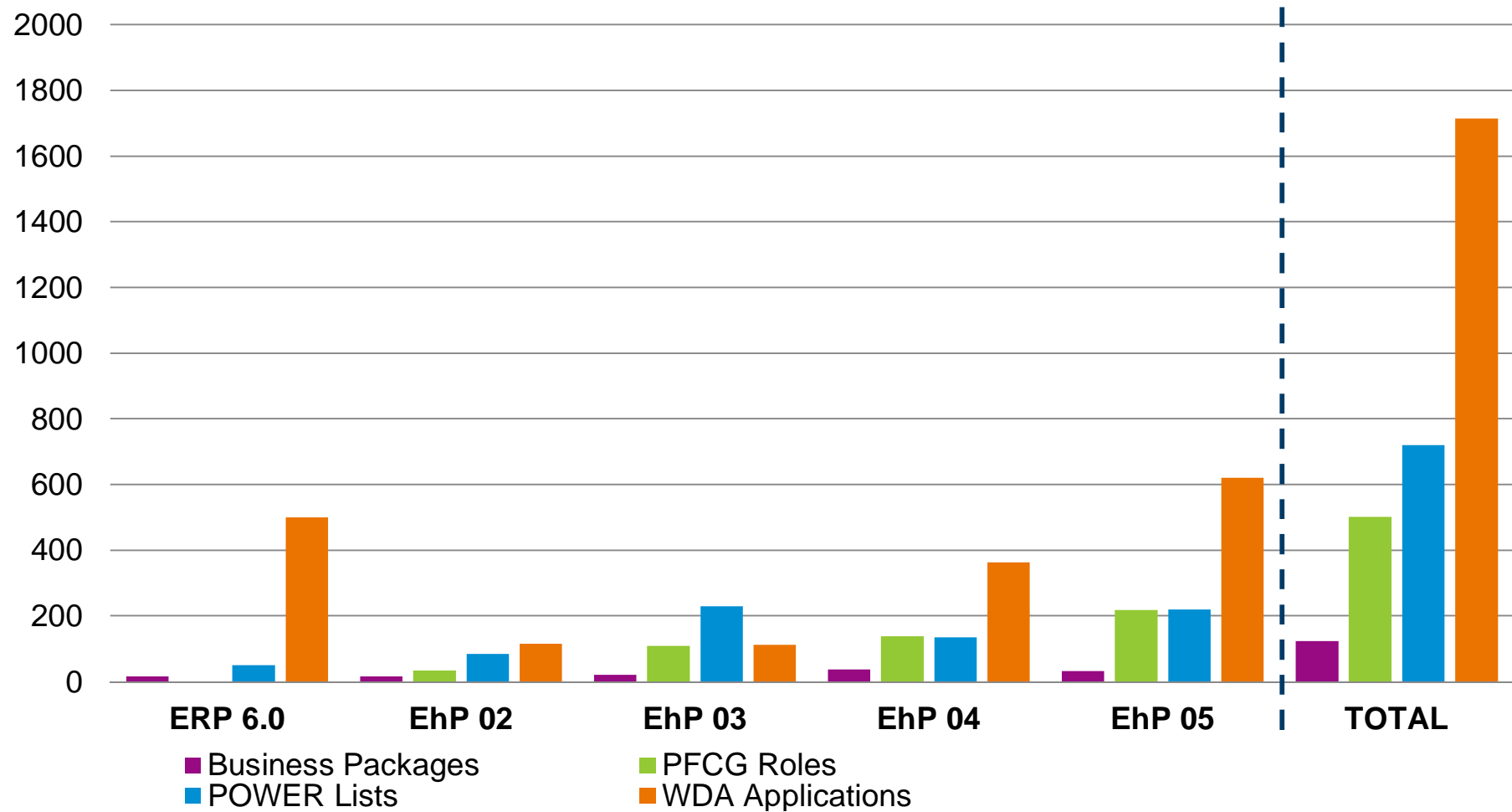
ABAP on SAP Hana: Flight bookings drill-down realized with Floorplan Manager



Click me

New content for the Business Suite

In numbers



Topics

Strategy

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Educational offerings for partners

Technical details

- NWBC 4.0
- Side Panel
- SAP Screen Personas
- POWL
- HTML5 / UI5
- Floorplan Manager (FPM)
- **Roles**

Outlook

- Responsive Design
- App Designer
- Theme Designer
- UI Investigator Tool

Appendix

- Examples of renewed screens
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Useful links to SAP Help Portal

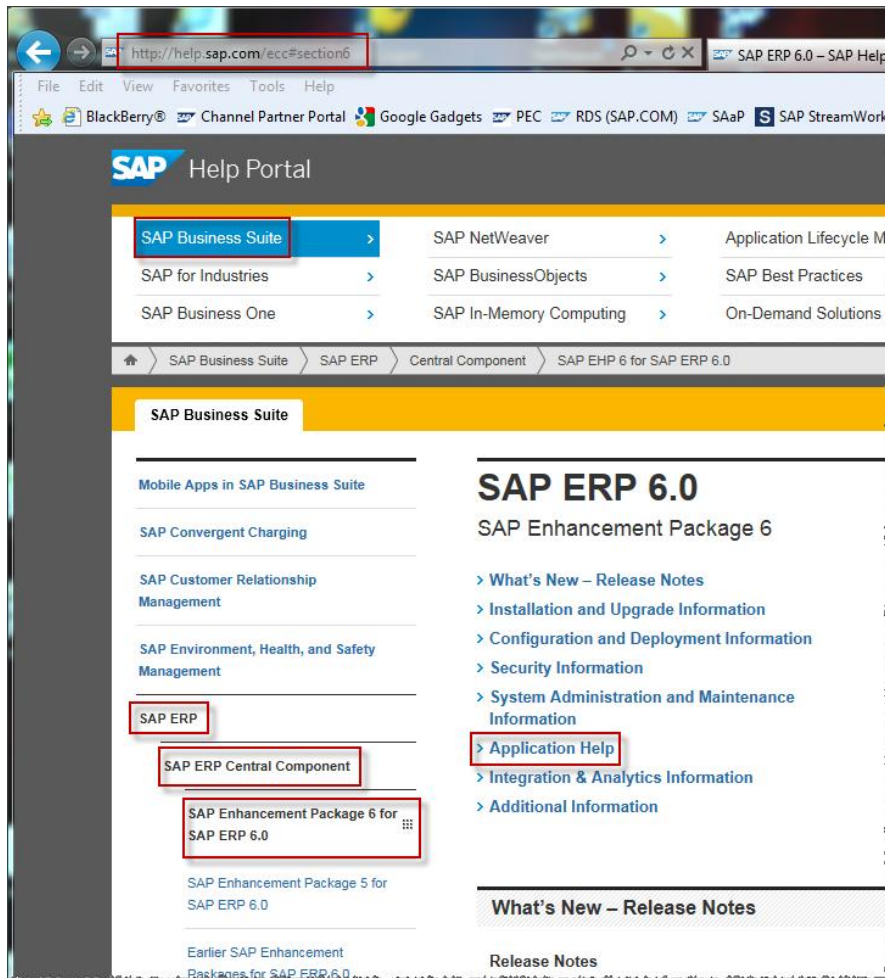
Roles for NWBC:

http://help.sap.com/erp2005_ehp_06/helpdata/en/46/4ac2e1ab8c6a81e10000000a155369/frameset.htm

Side Panel for Business Suite:

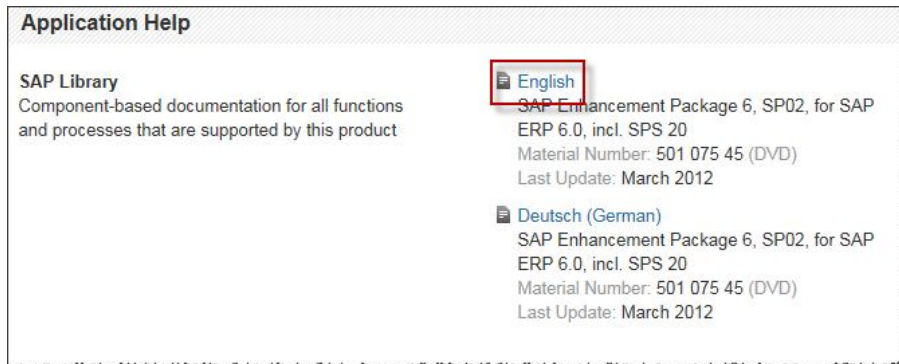
http://help.sap.com/erp2005_ehp_06/helpdata/en/f2/f8478f40ca420991a72eed8f222c8d/frameset.htm

Accessing Role Documentation (SAP Help Portal)

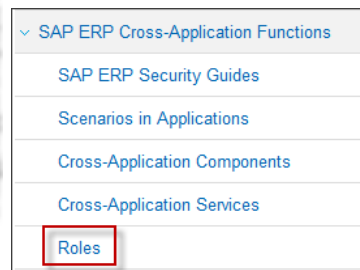
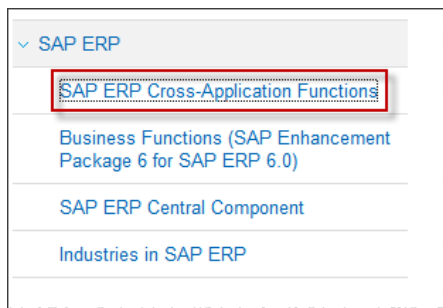


- Go to <http://help.sap.com>
- Click on "SAP Business Suite"
- Click on "SAP ERP"
- Click on "SAP ERP Central Component"
- Click on "SAP Enhancement Package 6 for SAP ERP 6.0" (or choose the appropriate EhP)
- Click on "Application Help"

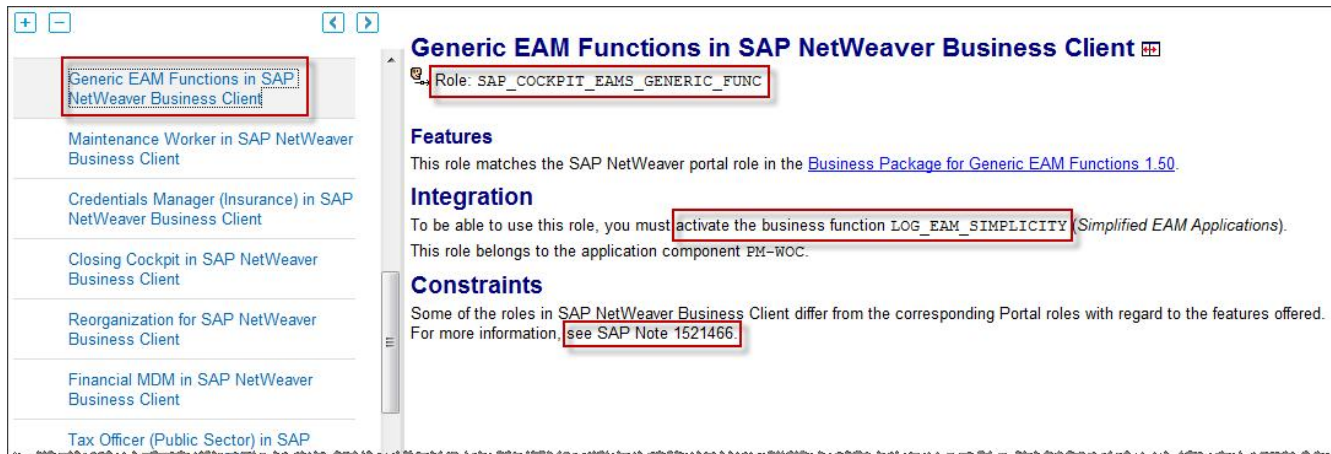
Accessing Role Documentation (SAP Help Portal)



- Click on "English"
- Click on "SAP ERP Cross-Application Functions"
- Click on "Roles"
- Click on "Roles in SAP NetWeaver Business Client"

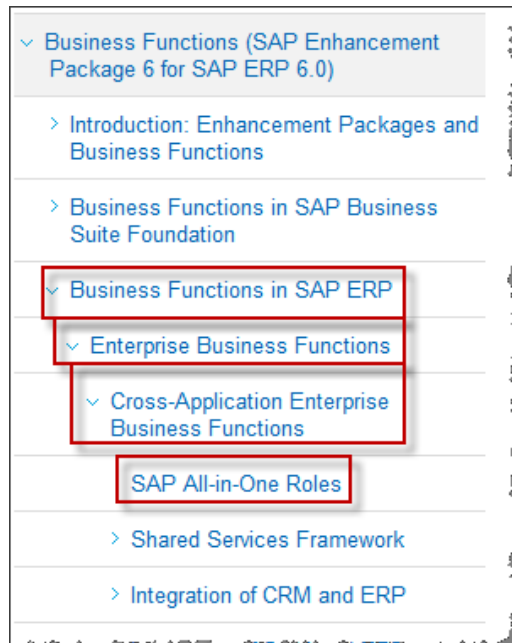
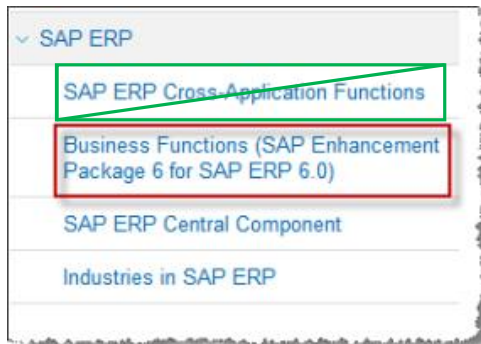


Accessing Role Documentation (SAP Help Portal)



Choose a role to receive additional information, such as the technical role name and check if there are further requirements, such as Business Functions to be activated or SAP Notes to be taken into account.

Accessing Role Documentation (SAP Help Portal)



For accessing SAP **All-in-One Roles**, the path is similar: instead of choosing "SAP ERP CROSS-Application Functions",

- Click on "Business Functions (SAP Enhancement Package 6 for SAP ERP 6.0)"
- Click on "Business Functions in SAP ERP"
- Click on "Enterprise Business Functions"
- Click on "Cross-Application Enterprise Business Functions"
- Click on "SAP All-in-One Roles"

Accessing Role Documentation (SAP Help Portal)

SAP All-in-One Roles

Technical Data

Technical Name of Business Function	/KYK/GEN_AIO_SIMPLIFICATION
Type of Business Function	Enterprise business function
Available As Of	SAP enhancement package 3 for SAP ERP 6.0
Technical Usage	Central Applications
Application Components	Controlling (CO), Financial Accounting (FI), Materials Management (MM), Production Planning and Control (PP), Sales and Distribution (SD)
Directly Dependent Business Function Requiring Activation in Addition	Not relevant

This business function provides you with roles that have been created specifically to meet the needs of small businesses and midsize companies. These roles cover transactions, object lists, and reports and enable efficient access to the processes of Financial Accounting, Controlling, Materials Management, Production Planning and Control, and Sales and Distribution.

By using *SAP NetWeaver Business Client* and the functions of the POWER lists for the object lists and the reports, the user has access to a modern, uniform interface for processing the processes.

Integration

The objects delivered with this business function offer only **additional** functions for the transactions of the existing components; existing functions are **not** changed if you activate the business function. Above all, the additional functions provide easier access to existing functions. To some extent, new POWER lists delivered can also be used as a replacement for existing transactions or reports.

On the right-hand side, you see that a Business Function has to be activated for accessing the SAP All-in-One Roles. Scroll down completely and click on "SAP All-in-One Roles".

For more information about the functions of this business function, see [SAP All-in-One Roles](#).

Accessing Role Documentation (SAP Help Portal)

The screenshot shows the SAP Help Portal interface. On the left is a navigation menu with the following items: 'SAP All-in-One Roles' (expanded), 'User and Roles', 'Merging Concept for Roles', 'Object-Based Navigation in Roles', 'Creating Roles' (expanded), 'Defining Role Menus', 'Adding POWER Lists to Roles', 'Assigning Authorization Default and Generate', 'Entering Additional Details for Role Entries', 'Merging Single Roles into Composite Roles', 'Assigning Roles to Users', 'Testing Roles in SAP NetWeaver Business Client (NWBC)', 'Reporting' (expanded), and 'Predefined Roles, POWER Lists and Reports' (highlighted with a red box). The main content area displays the title 'Predefined Roles, POWER Lists and Reports' with a gear icon and a plus icon. Below the title is a 'Use' section with a paragraph and two bullet points. The 'Features' section includes a paragraph and a table listing roles.

Predefined Roles, POWER Lists and Reports

Use

In SAP All-in-One, ERP delivers a set of roles relevant for midsize companies in the manufacturing industries. POWER lists and reports to support users in their work.

- To reuse these roles, copy them to your own namespace and proceed as described under [Users and Roles](#).
- Per default the outputs refer to smart forms. To get a PDF output for documents in Personal Object Work see [PDF-based Print Forms for POWER Lists](#).

Features

The following table lists all available roles in ERP for SAP All-in-One with their different attributes, such as profile manager user.

User's Role	Role Attribute	Composite Role	Single Role
Accounts Payable Assistant	Power User	SAP_AIO_AP_CLERK_K	SAP_AIO_AP_CLERK-K
	Professional User	SAP_AIO_AP_CLERK_S	SAP_AIO_AP_CLERK-S
Accounts Receivable Assistant	Power User	SAP_AIO_AR_CLERK_K	SAP_AIO_AR_CLERK-K
	Professional User	SAP_AIO_AR_CLERK_S	SAP_AIO_AR_CLERK-S
Cost Accountant	Power User	SAP_AIO_COSTACC_K	SAP_AIO_COSTACC-K
	Professional User	SAP_AIO_COSTACC_S	SAP_AIO_COSTACC-S
Engineering Specialist	Professional User	SAP_AIO_ENG_SPECIALIST_S	SAP_AIO_ENG_SPECIALIST
Financial Accountant	Power User	SAP_AIO_FINACC_K	SAP_AIO_FINACC-K
	Professional User	SAP_AIO_FINACC_S	SAP_AIO_FINACC-S
			SAP_AIO_FINACC-S2

Click on "Predefined Roles, POWER Listes and Reports" to get an overview of all SAP All-in-One Roles delivered.

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- HTML5 / UI5
- Floorplan Manager (FPM)
- Roles

Outlook

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- App Designer
- Theme Designer
- UI Investigator Tool

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- Examples of renewed screens
- NWBC use cases

SAP STORE – RESPONSIVE DESIGN

INTRODUCTION

SAP Store and SAP Enterprise Store are the first SAP solutions which provide a consumer grade user experience optimized for smartphone, tablet and desktop

- by using the same HTML5 codeline across devices and
- leveraging SAPUI5

We will show how responsive design

- enables flexible layouts adapting to different form factors
- helps significantly reducing development and maintenance cost

We will share insights and hands on experience in evolving SAP's e-commerce platform.

THIS IS *NOT* THE WEB



THIS *IS* THE WEB

SMARTPHONES & TABLETS MORE SOLD THAN PCs



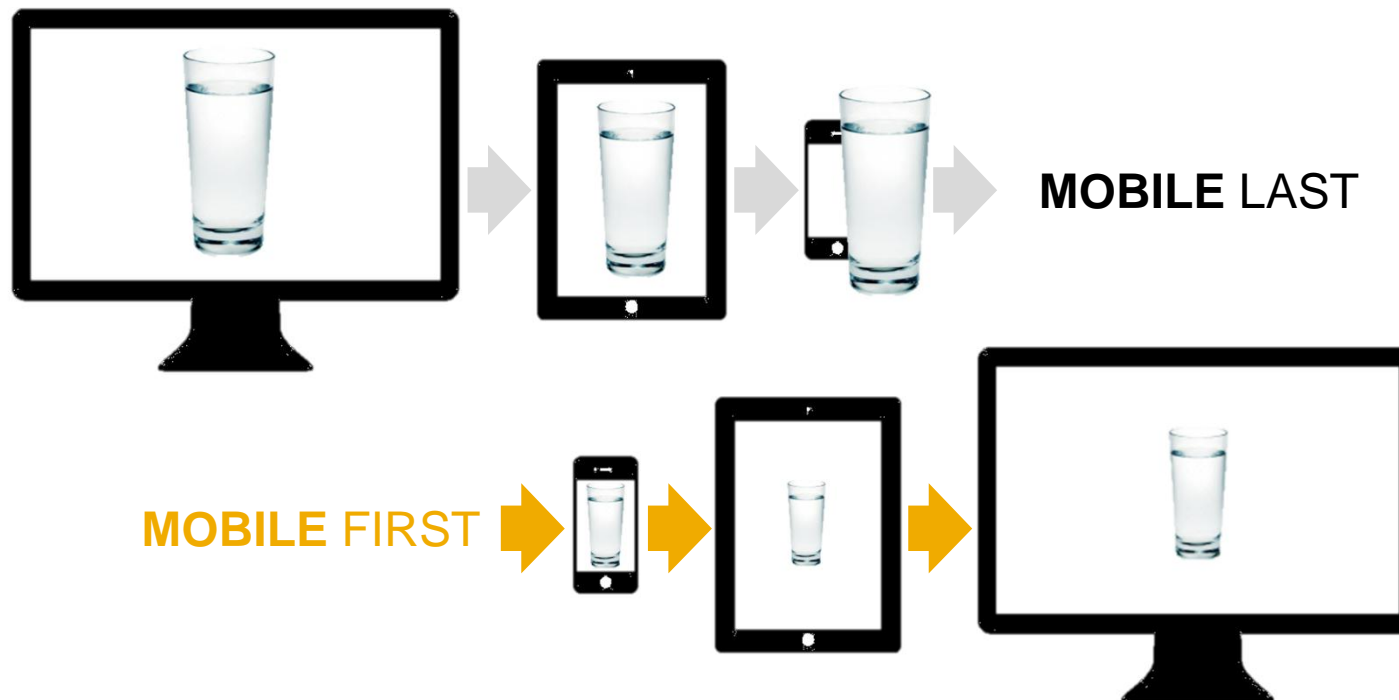
UX CHALLENGES

Prepare your content to go anywhere
Prioritize to make it fluid and relevant across devices



UX CHALLENGES

Design for **mobile first**

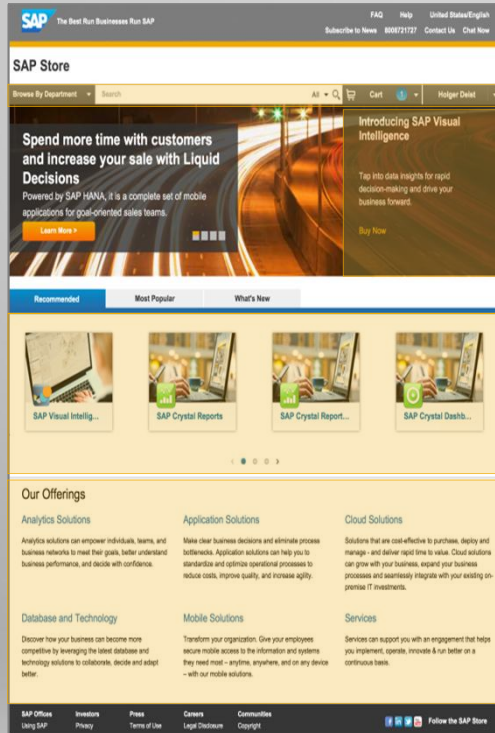


SAP STORE

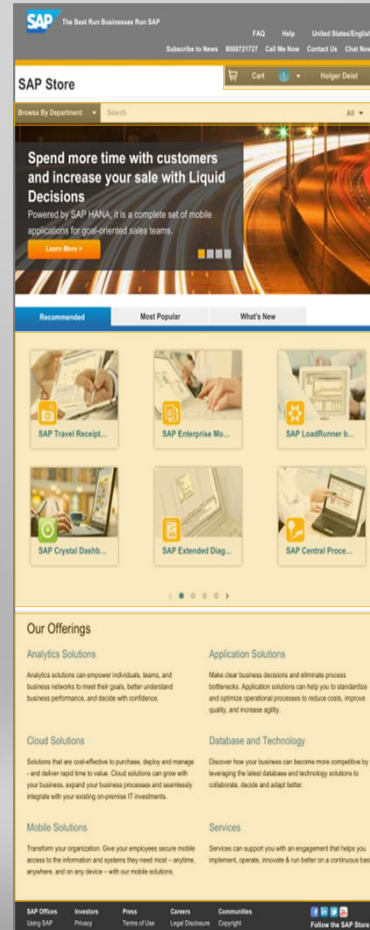
HOMEPAGE OF THE PUBLIC STORE – WWW.SAPSTORE.COM



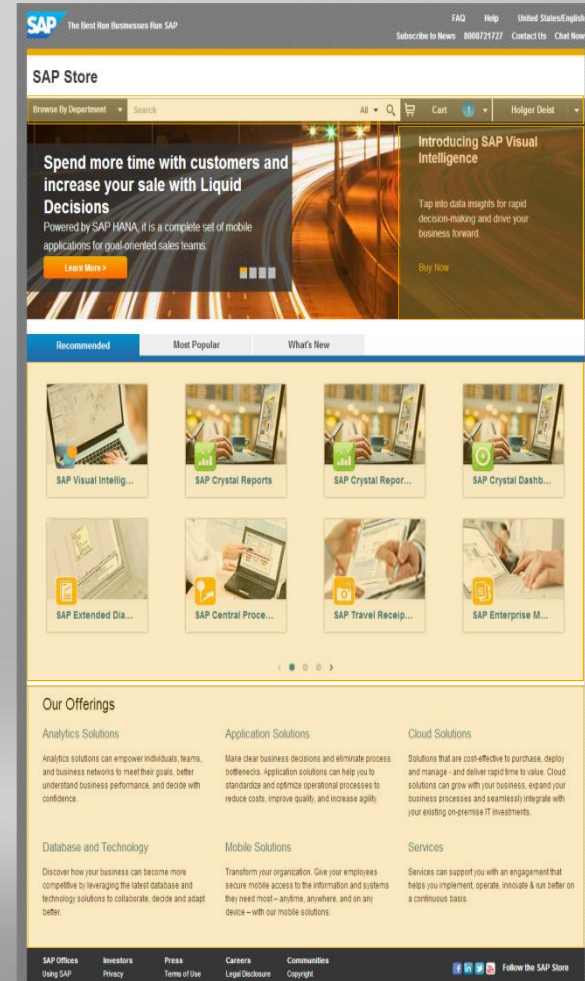
Smartphone App



Tablet Landscape



Tablet Portrait



Desktop

Topics

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- Theme Designer
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Collaboration of Business experts and IT people

Knows:

Users

Tasks

Data

Knows:

Code

Technologies

Eclipse tools

Business



IT

Needs: Useful &
desireable apps

Needs: Deliver apps
efficiently

How can we improve this?

Provide an easy-to-use tool for business experts, UI designers and developers to quickly prototype and develop mobile apps in a collaborative manner:

the AppDesigner

The UI mockup is the prototype

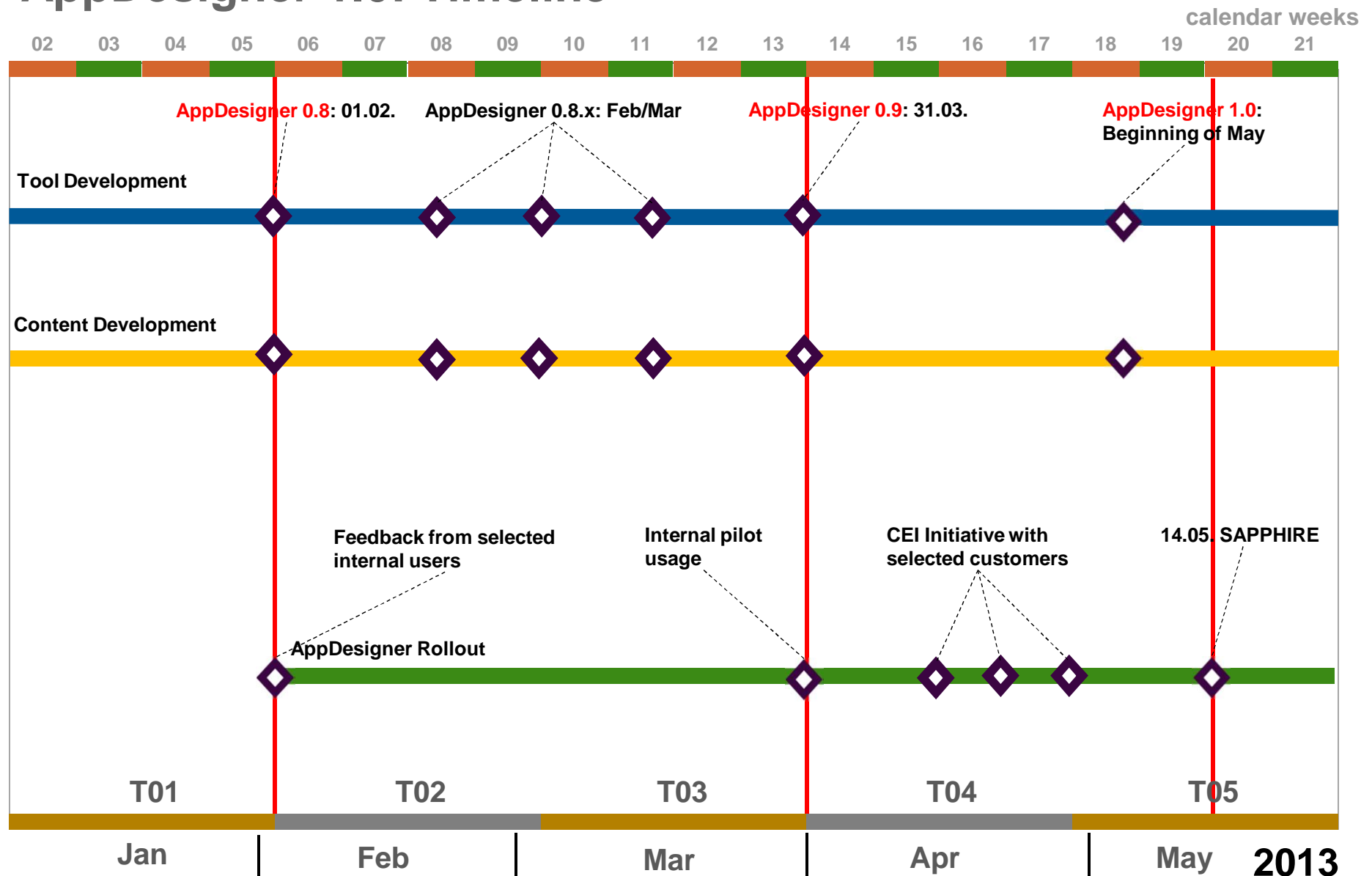
The prototype is the application

Living specification: Business, Design and IT work on the same UI with the same tool

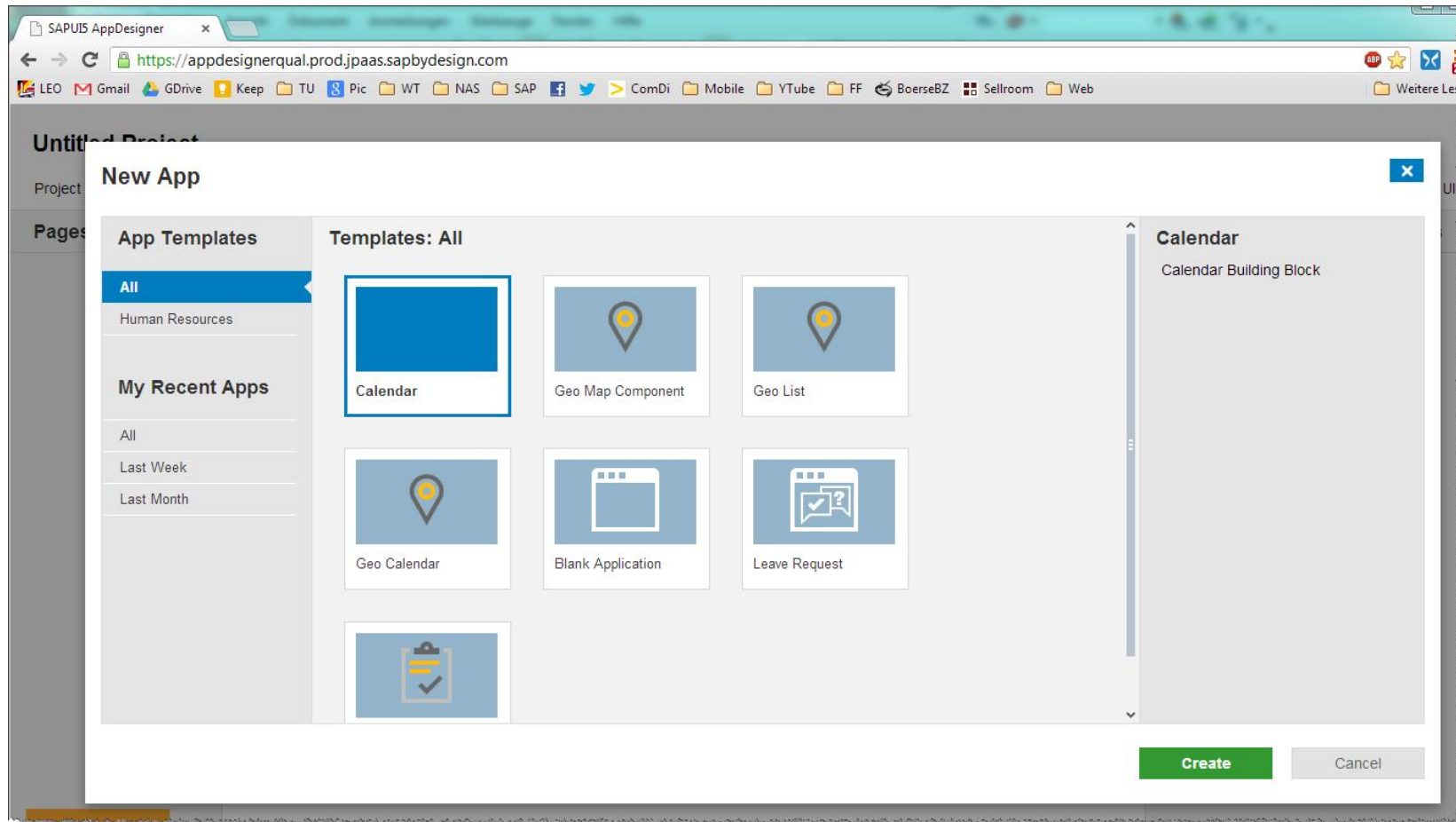
The AppDesigner deals with ...

- ... SAPUI5 application projects and screens
- ... application logic and the Model/View/Controller concept of SAPUI5
- ... application templates, building blocks and UI controls
- ... data models and Gateway oData services
- ... SAPUI5 control libraries, e.g. the standard mobile library
- ... theming with style sheets
- ... instant preview for smart phones, tablets, ...
- ... editor for code breakouts (JavaScript event handlers)
- ... NetWeaver Cloud as its platform

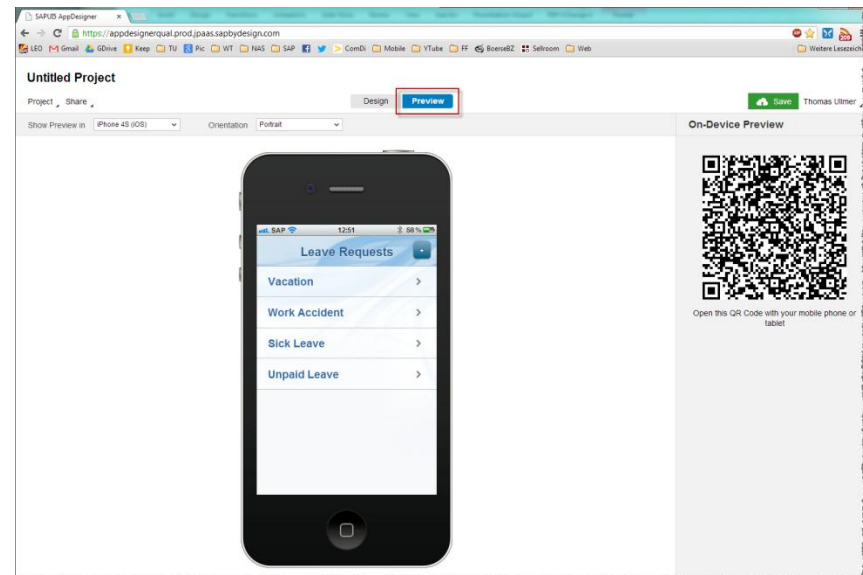
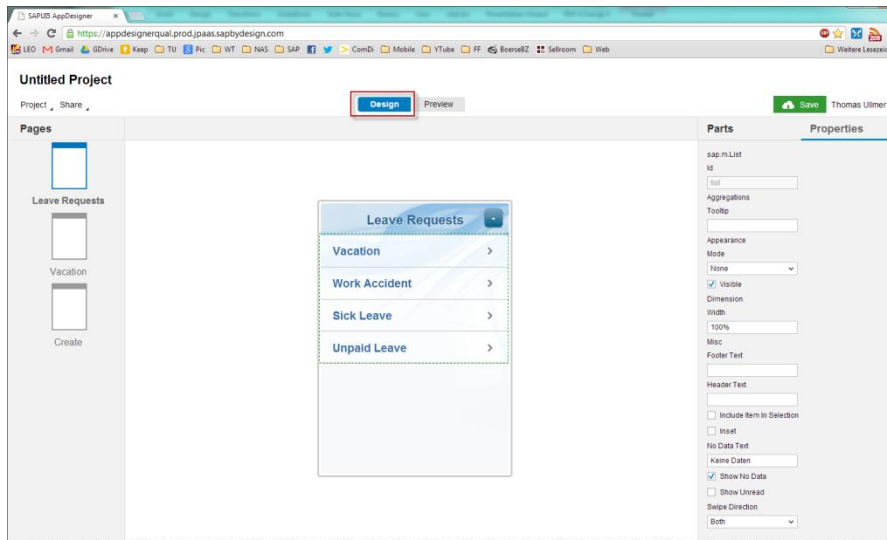
AppDesigner 1.0: Timeline



App Designer – Template selection



App Designer – Design and Preview mode



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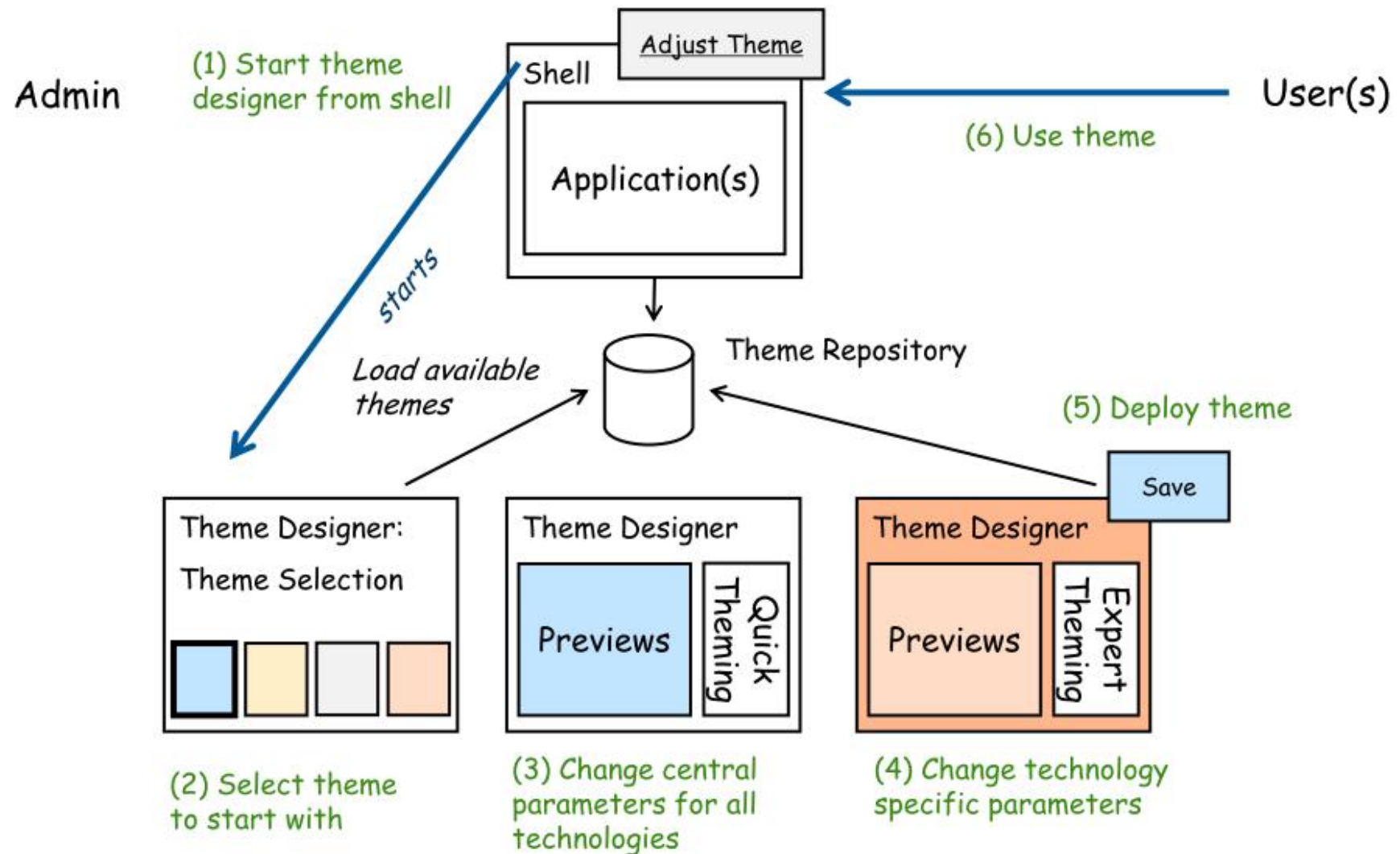
Outlook

- Responsive Design
- App Designer
- **Theme Designer**
- UI Investigator Tool

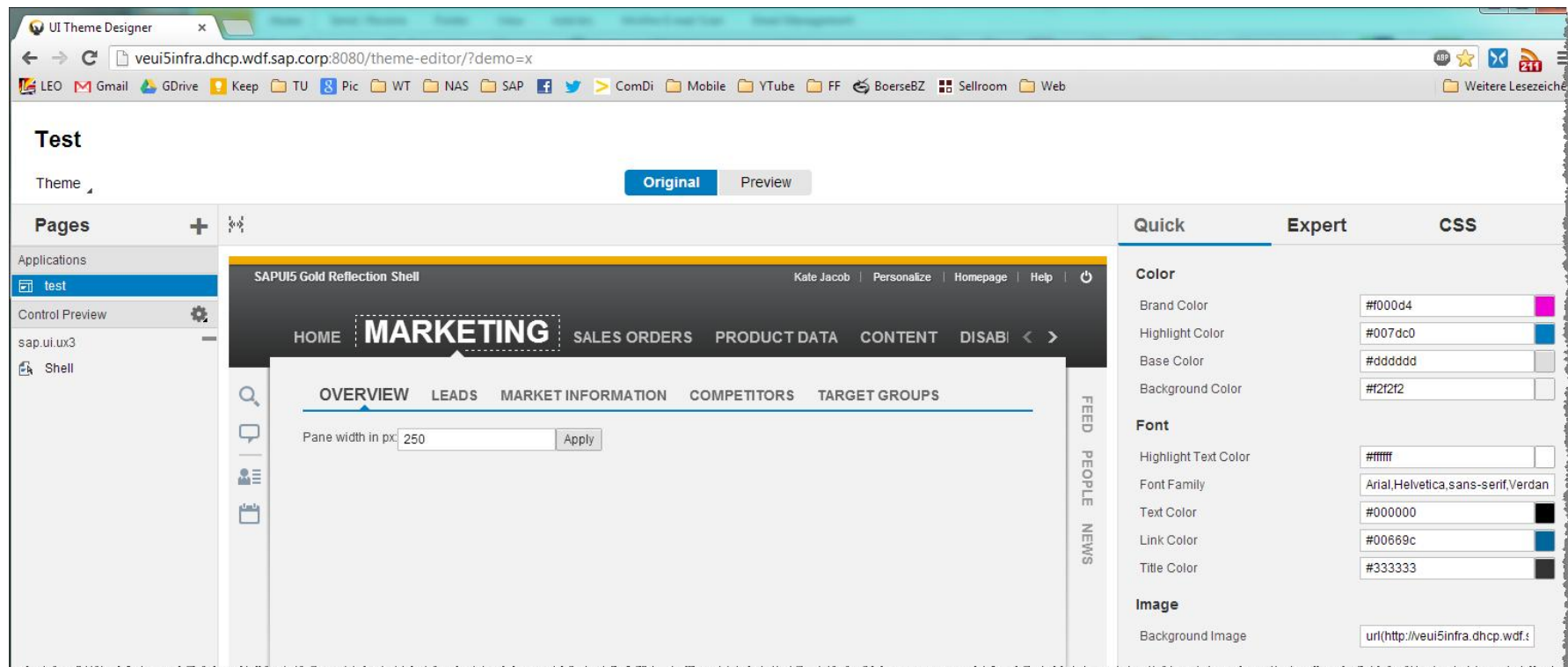
Appendix

- Examples of renewed screens
- NWBC use cases

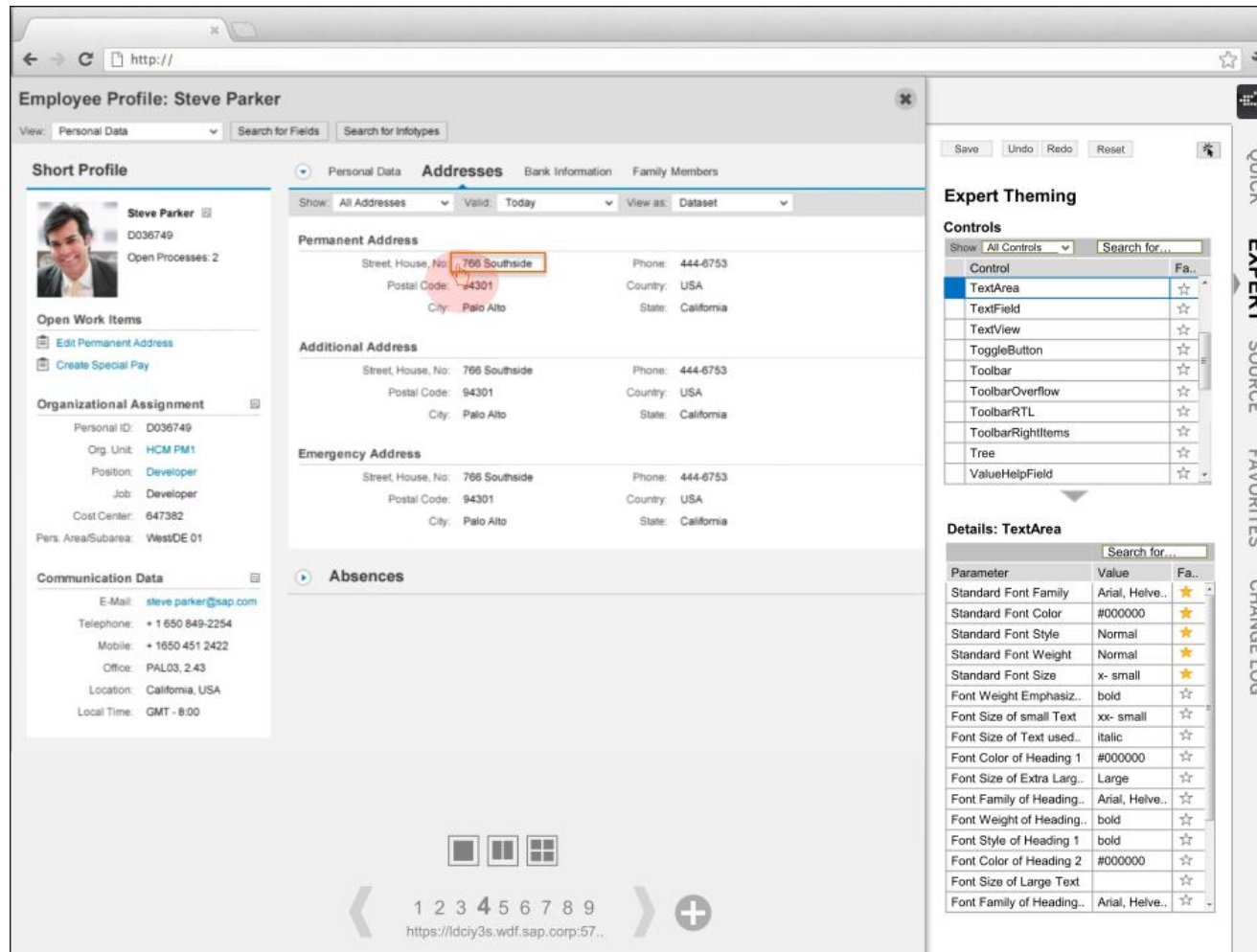
The story



Theme Designer – Edit view



Mock-up



Topics

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Today's Challenges for Customers and Partners

Customers don't understand their options to improve SAP user interfaces and leverage the related values...

We don't have a consistent understanding and clear definition of our UI portfolio and its usage inside and outside SAP

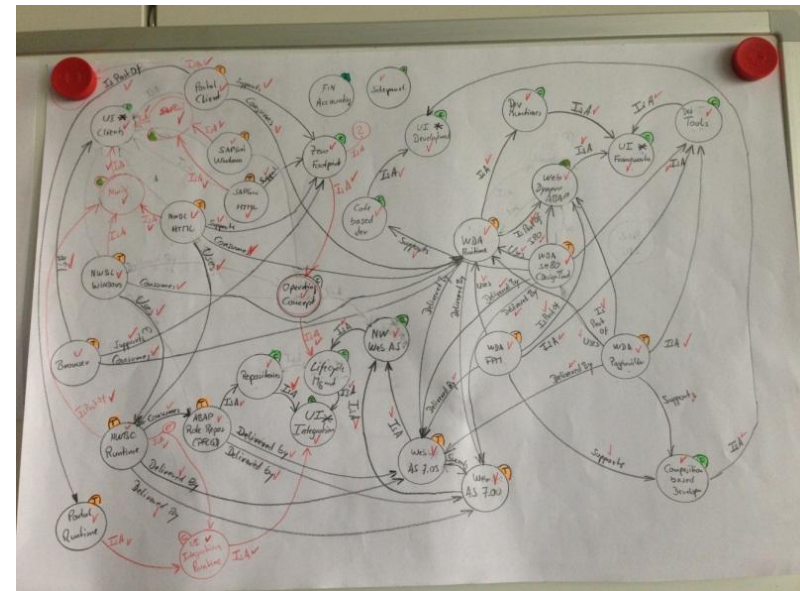
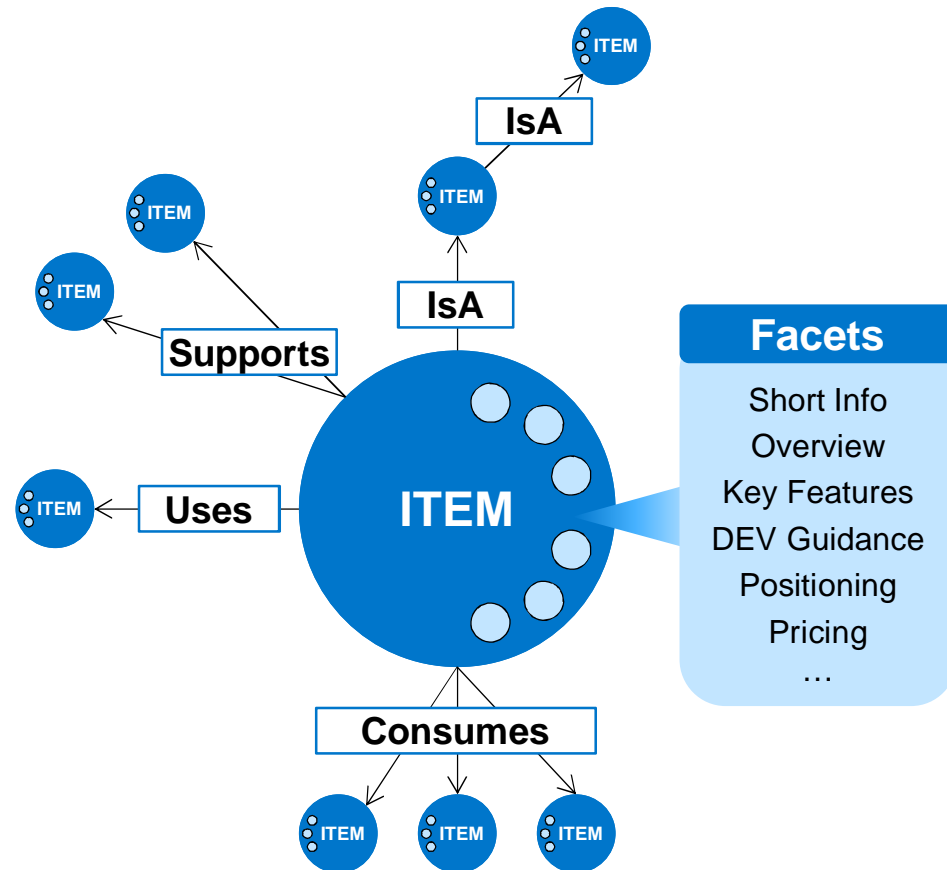
The goal:

Quickly identify valuable options to optimize my user interfaces

Get a holistic view on my options, their relations to other topics and points me to further details

Behind UI Investigator

A structure that stores and relates UI information



Data model and later tool
is designed to grow with the content.

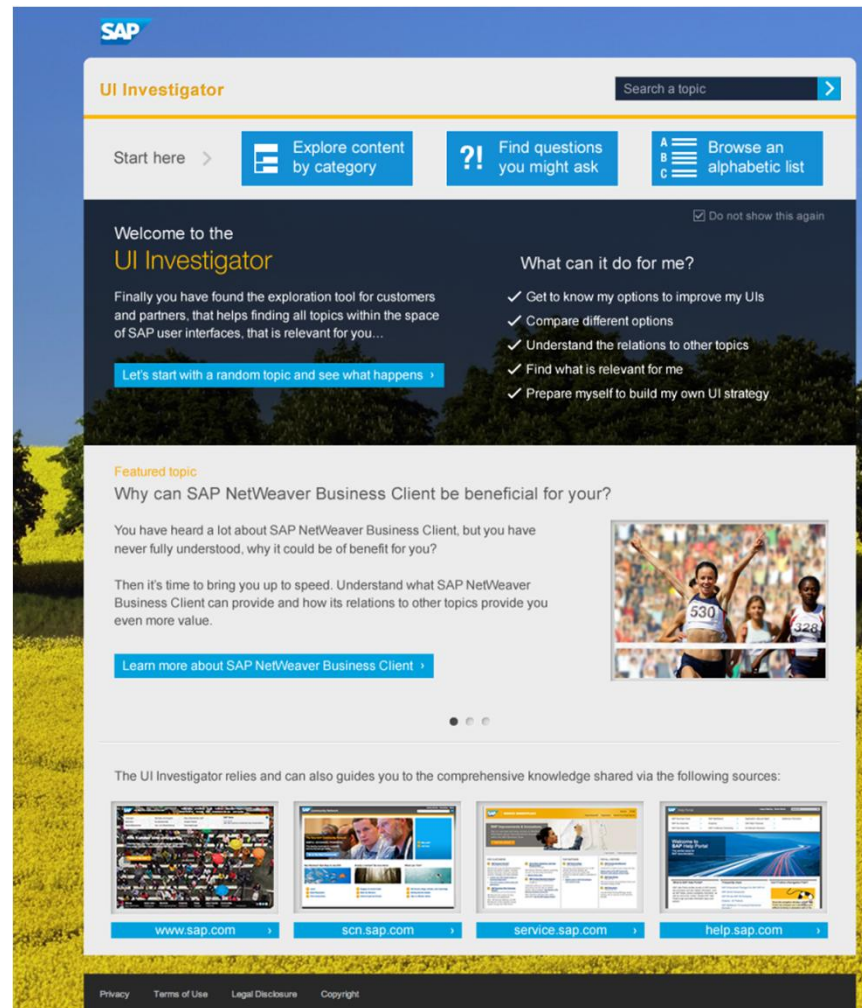
UI Investigator Tool

Start View: Provides multiple entries into the content network

Multiple
starting points
to explore content

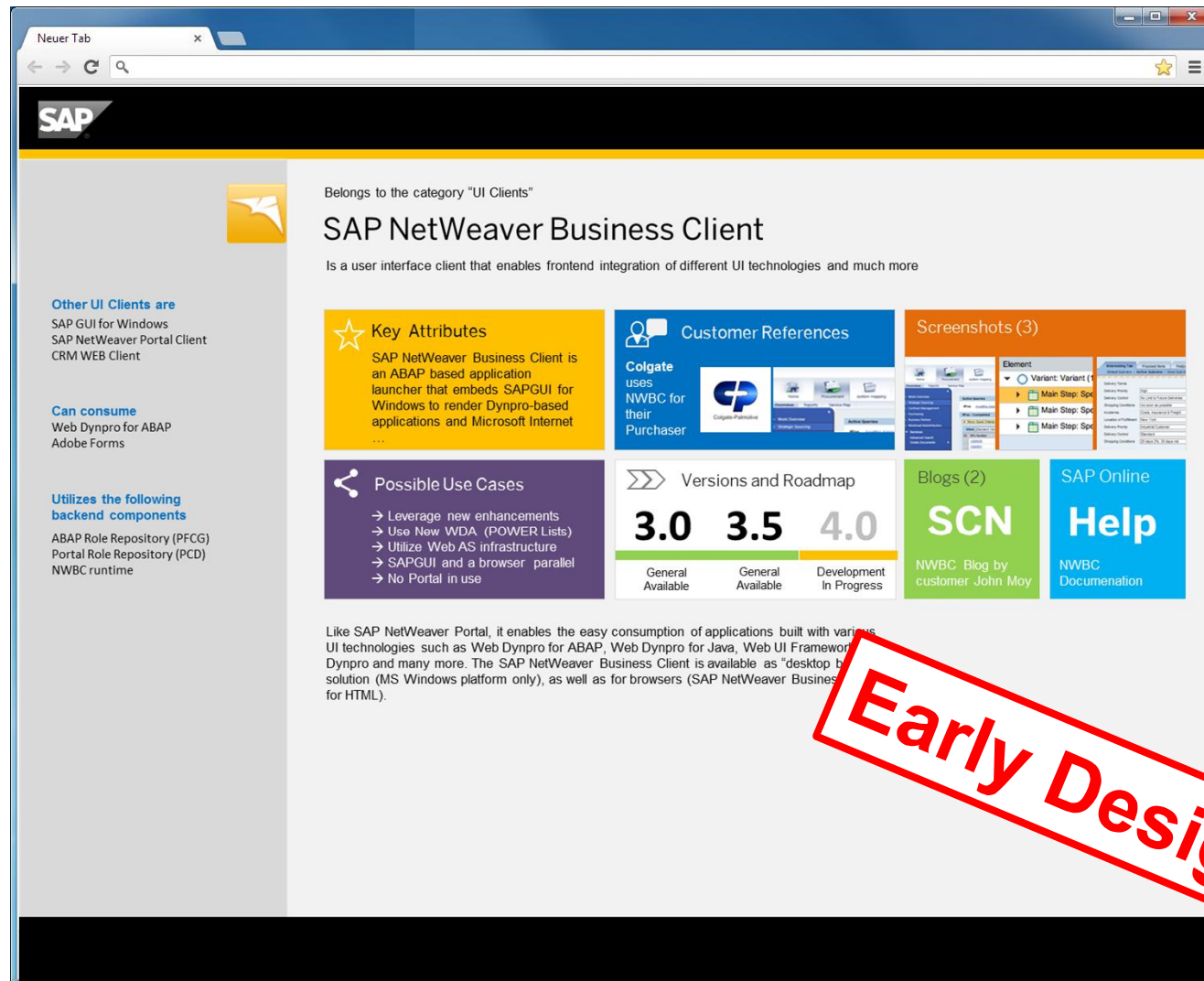
Feature pages
introducing
special topics

Alignment with
other SAP Sources



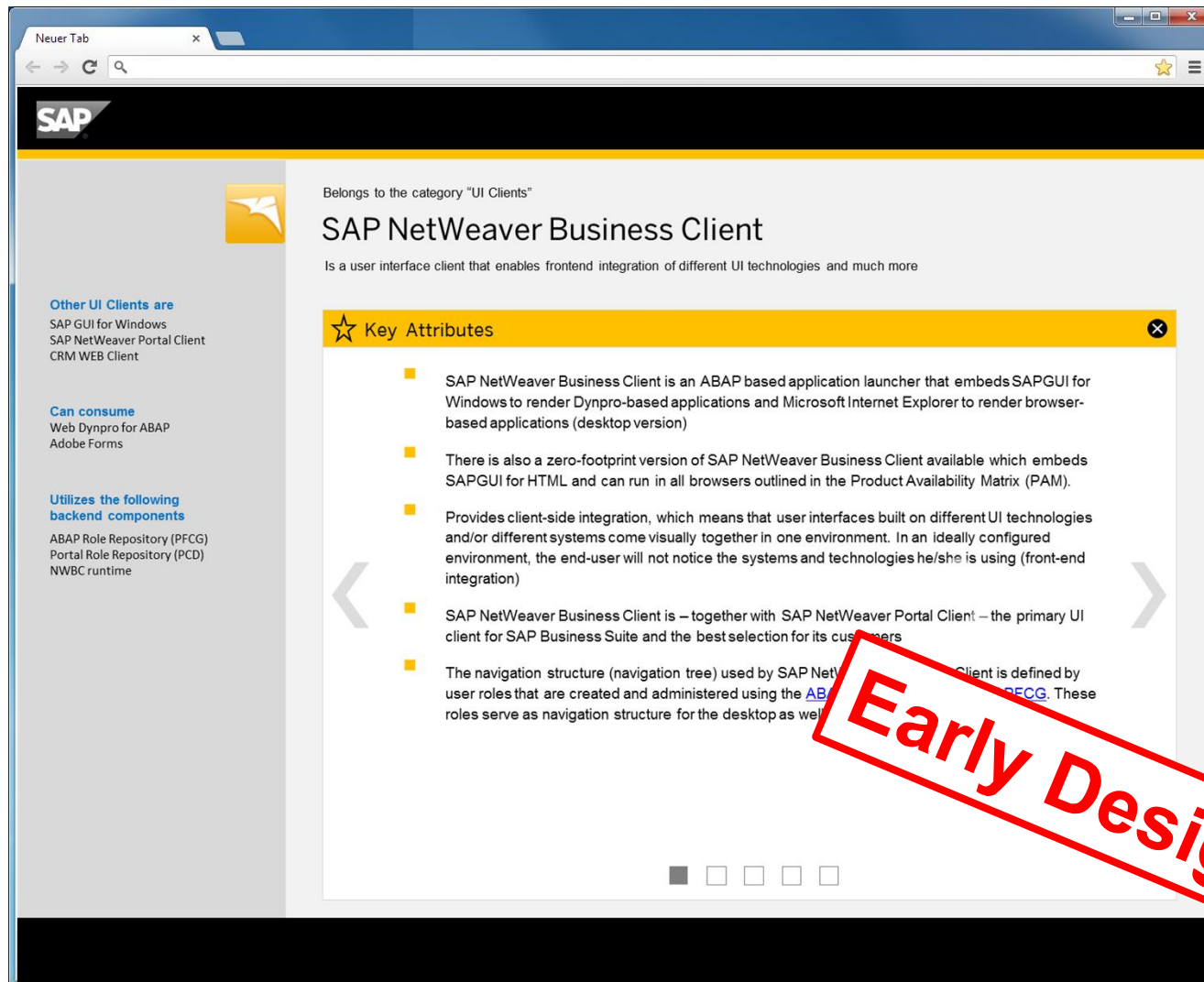
UI Investigator Tool

Item View: Provides everything relevant to an item at one place







UI Investigator Tool

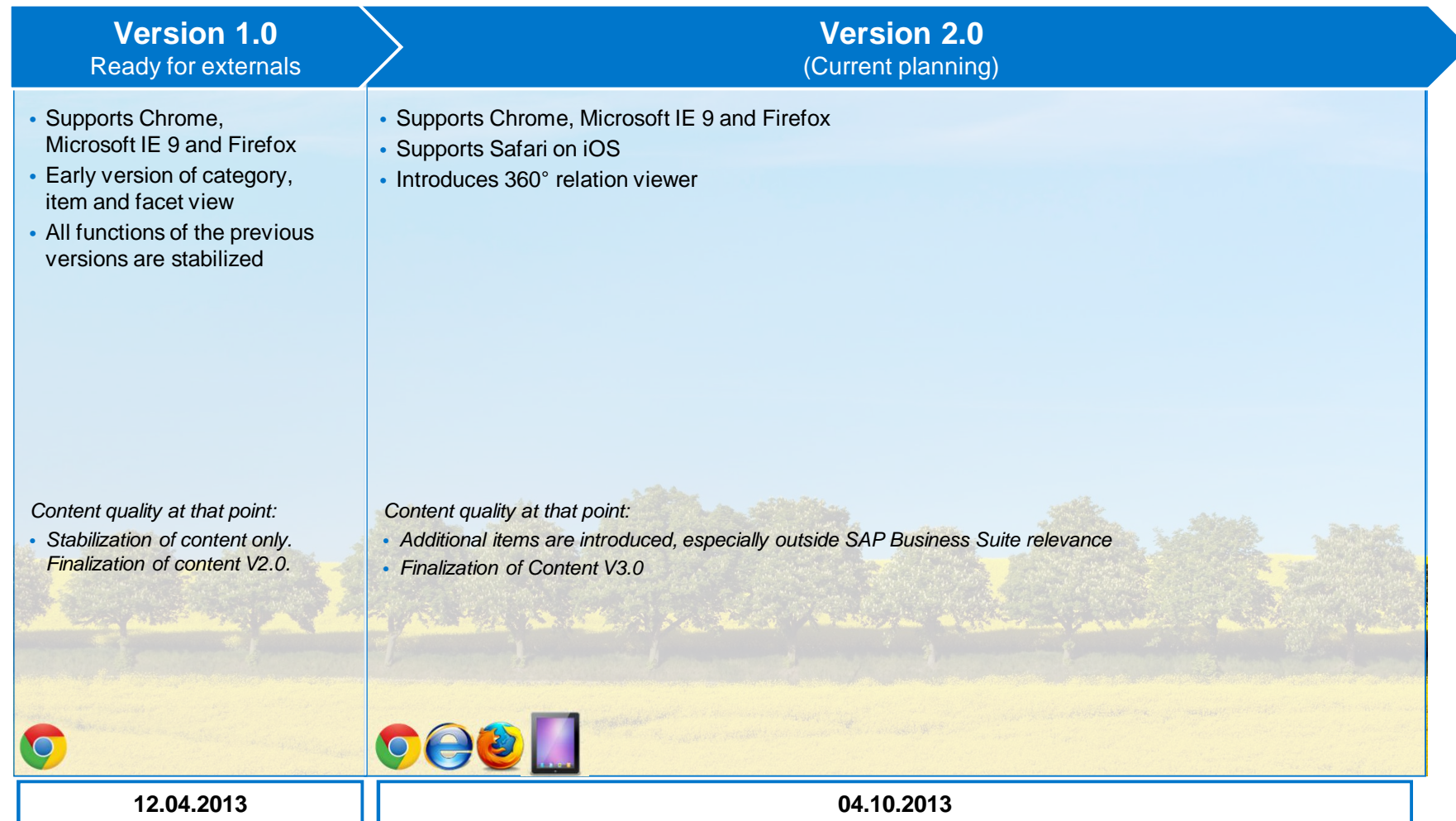
Facet View: Provides more details, once there is interest for it



Roadmap 2013 for UI Investigator

Version 0.3 Ready for early demos	Version 0.5 Ready for content owners	Version 0.7 Ready for a larger group	Version 0.8 Introducing new features
<ul style="list-style-type: none"> • Supports Chrome browser only • Early version of category, item and facet view <p><i>Content quality at that point:</i></p> <ul style="list-style-type: none"> • Key items are stabilized for demo enablement • All items are maintained with various quality levels 	<ul style="list-style-type: none"> • Supports Chrome and Microsoft IE 8 + 9 (with limitations) • Fully functional start, FAQ and list page • Harmonized look across functions • Global feedback function • First reporting capabilities <p><i>Content quality at that point:</i></p> <ul style="list-style-type: none"> • More items are stabilized. • No new items added, except, if needed to extend definitions of existing items. • Finalization of Content V1.5. 	<ul style="list-style-type: none"> • Supports Chrome & Microsoft IE8 + 9 • Rating capability for FAQs and Items • Connection from items to FAQs (related questions) • Reporting of item and facet usage • Enablement of Multi Language Support • Export capability of server DB, to clone investigator to external sites <p><i>Content quality at that point:</i></p> <ul style="list-style-type: none"> • All items are further stabilized by content owners, documentation development and contributors. • No new items added, except, if needed to extend definitions of existing items. 	<ul style="list-style-type: none"> • Supports Chrome, Microsoft IE 8+ 9 and Firefox • Introduces new functions such as fast collector and comparison tool <p><i>Content quality at that point:</i></p> <ul style="list-style-type: none"> • Further stabilization of content. • No new items added, except, if needed to extend definitions of existing items OR are important for SAP Business Suite 
14.12.2012	18.01.2013	15.02.2013	15.03.2013

Roadmap 2013 for UI Investigator



Summary: What is the UI Investigator?

An Exploration-Tool for Customers & SAP Internals

Introduces the topics relevant for SAP UIs

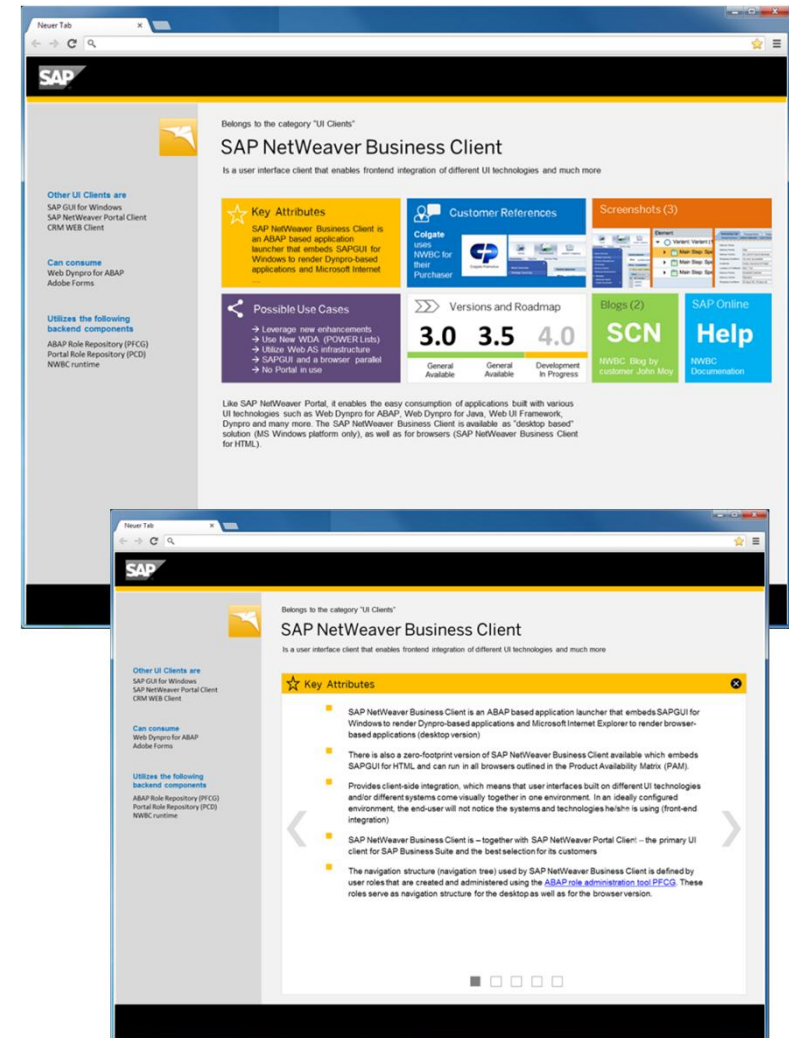
Makes relations between topics transparent

Provides knowledge about UI topics

Guides tool users to topics important to them

Ultimately provides guidance

Is based on SAPUI5 (HTML5)





Thank you

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thomas.ullmer@sap.com

Topics

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- NWBC 4.0
- Side Panel
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- POWL
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Overall Planning – New UI

Change Cost Planning: WBS Element Overview

Annual Overview

Proj. Def. KOE01 Project 1

Period Overall

Overall values

E	Lev	WBS element	Cost plan	Tra	P	Distributed	Distribut
1		KOE01.1		79,00	EUR	79,00	
2		KOE01.1.1		32,00	EUR		
2		KOE01.1.2		47,00	EUR		

Overall Planning

Save Discard Changes

Selection

Costs by Year Copy from Reference

Work Breakdown Structure	Work Breakdown Structure	Amount/EUR/Result	Amount/EUR/#	Amount/EUR/2010	Amount/EUR/2011	Amount/EUR/2012	Amount/EUR/2013
SREH1	sreh1	9.880,00	2.200,00	300,00	2.130,00	2.750,00	2.500,00
▼ SREH.1	SREH.1	9.880,00	2.200,00	300,00	2.130,00	2.750,00	2.500,00
• SREH.1	SREH.1	0,00	0,00	0,00	0,00	0,00	0,00
• SREH.1.1	SREH.1.1	8.800,00	1.800,00	200,00	2.000,00	2.300,00	2.500,00
• SREH.1.2	SREH.1.2	1.080,00	400,00	100,00	130,00	450,00	0,00

Total Project Costs

Project Costs by Year

Year	Cost (EUR)
2010	2200
2011	2130
2012	2750
2013	2500

Cost Estimation – New UI

The screenshot displays the SAP Cost Estimation New UI. The main window is titled "Cost Estimation" and contains two primary sections: "Costing Structure" and "Assigned Template".

Costing Structure: This section shows a hierarchical view of the cost structure. The "Marketing Initiative 2010" is selected, showing a total value of 20,040.00 EUR. Below this, a detailed table lists the cost items:

Item	Resource	Plant	P	Quantity	BU	Total Price	Total Value
1	E	EHCC1	SCONS	10.0	HR	150.00	1,500.00
2	E	EHCC1	JCONS	15.0	HR	120.00	1,800.00
3	V			5	DAY	80.00	400.00
4	V			19.0	HR	20.00	380.00
5	G					0.00	156.00
							4,236.00

Assigned Template: This section shows the template used for the cost estimation. The "Marketing Conference (Global)" template is selected. The "Hotel and Duration" section shows the following details:

Location	Hotel category	Duration of conference
Paris	3 star	3

The "Participants from" section shows the following details:

Participants from	Value
Participants from Ger...	9
Participants from USA...	4
Participants from UK [...]	3
Participants from Fran...	3

The "Costing Items" section shows a list of items with their categories and resources:

Item Number	Item Category	Resource	Plant/Acti
00001	Internal Activity	4520	1413
00002	Material	B-7000	0001
00003	Variable Item		
00004	Variable Item		
00005	Costing Model		

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Cost Center Master Data

First Impressions Count for Net New Sales

Change Cost Center: Basic Screen SAP

Change Cost Center: Basic Screen

Cost Center: K-0020 Sales Pumps I
Controlling Area: 0001 Kostenrechnungskreis 0001
Valid From: 01.01.2010 to 31.12.9999

Basic data Control Templates Address Communication History

Names
Name: Sales Pumps I
Description: Sales Pumps I

Basic data
User Responsible:
Person Responsible: Mark Smith
Department:
Cost Center Category: F Production
Hierarchy area: 0001 Standard Hierarchy CO Area 0001
Company Code: 0001 SAP A.G.
Business Area: 0001 Business Area
Functional Area: PT02 Sales costs
Currency: EUR
Profit Center: 1000 Cargo
Logical System: A2GCLNT000

Change Cost Center: K-0020, Sales Pumps I

Close Save Cancel Edit New Validity Periods Check Where-Used List Hierarchy Area New Request

General Data

Controlling Area: 0001 Kostenrechnungskreis 00
Cost Center: K-0020 Sales Pumps I
Cost Center Description: Sales Pumps I
Valid From: 01.01.2010
Valid To: 31.12.9999
User Responsible:
Person Responsible: Mark Smith
Department:
Cost Center Category: F Production

Organizational Units

Control

Templates

Address

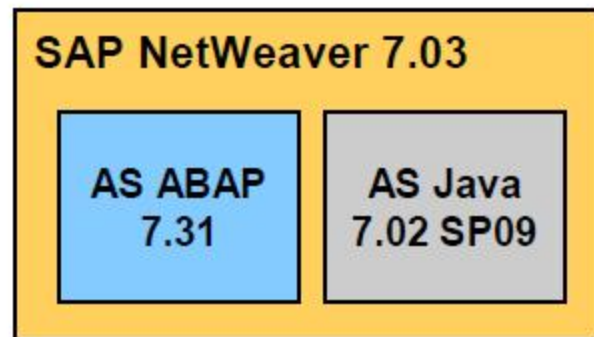
Communication

Translation / Long Text

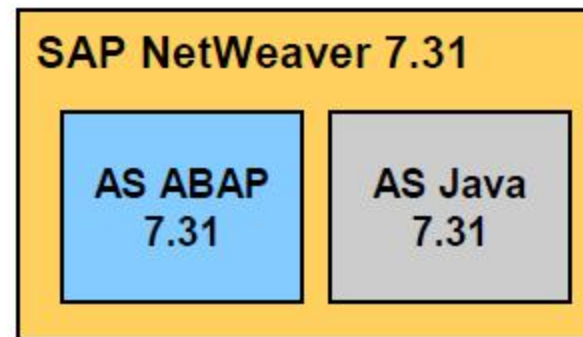
Language	Name	Description	Long Text
English	Sales Pumps I	Sales Pumps I	
German	Vertrieb Pumpen 1	Vertrieb Pumpen 1	
French	Ventes Pompes 1	Ventes Pompes 1	

Confused about NW 7.03 vs. NW 7.31?

→ SAP NetWeaver 7.03 / 7.31 ABAP consolidation



For SAP Business Suite 7i2011
and Add-Ons



For hub and standalone deployment

SAP NetWeaver 7.03 (indirect) will only be released together with SAP Business Suite 7 i2011 (indirect shipment). On the application platform level, it will comprise a **NW AS ABAP 7.31** and a **NW AS Java 7.02 (SP 09)**.

Standalone installations of SAP NetWeaver 7.03 will only be supported for Business Suite and NetWeaver Add-ons (e.g. PPM, SAP Quality Issue Management 1.0, Management of Change for Operations 1.0, SAP Global Batch Traceability 1.0, etc.). For all other cases the standalone installation of NetWeaver 7.03 will not be supported (e.g. EP, BI, PI). Instead SAP NetWeaver 7.31 should be considered.

- Release to customers planned for 08-Nov-2011 (Ramp-Up)
- Release name: **SAP enhancement package 3 for SAP NetWeaver 7.0**

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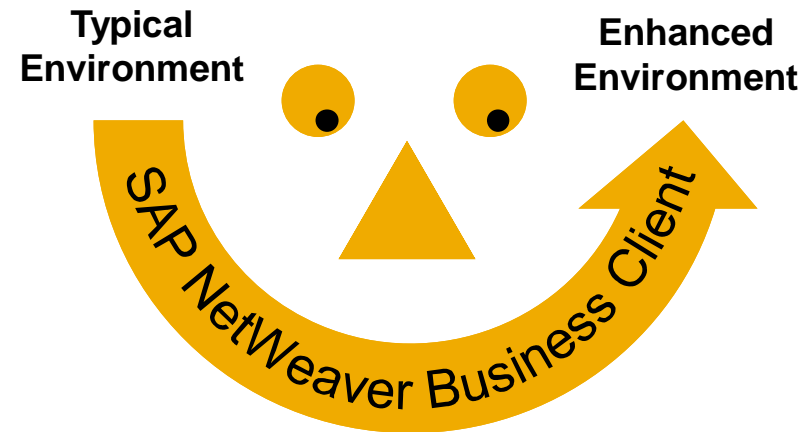
- Responsive Design
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- Theme Designer
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Appendix

- Examples of renewed screens
- NWBC use cases

SAP NetWeaver Business Client in Action

Some examples



Example 1:
Occasional SAPGUI User

Example 2:
SAPGUI User
with some requirement in reporting

Example 3:
SAPGUI User
with high requirements in reporting

Example 4:
SAPGUI / Browser User
with complex requirements

Example 5:
SAPGUI / Portal / Browser User
with complex requirements

Example 6:
Portal User
with a minimum of requirements

SAP NetWeaver Business Client in Action

Example 1: Occasional SAPGUI User



Current Environment

- Uses Dynpro applications, only
- Uses SAP Menu and T-Codes, no „Easy Access Menu“
- Is typically connected to one system
- Uses a small amount of transactions

Advantages with NWBC

- Preparation of the user for new kind of content and features (e.g. search functionality)
- Advantages keep limited, as long as user is not developed into new content and features

Interesting NWBC Features

- Automatically generated service maps ([NWBC Documentation Chapter 5.6](#))
- Connection to Enterprise Search ([NWBC Documentation Chapter 2.7](#))
- Quick Launch to search for transactions and WDA applications ([NWBC Documentation Chapter 2.8](#))
- Transition options for SAP GUI users: SAP Menu, SAP Favorites ([NWBC Documentation Chapter 3.4.4](#))

Additional Content

- -

Requirements

- SAP NetWeaver Business Client 3.0 or SAP NetWeaver Business Client 3.5
- SAP NetWeaver 7.00

SAP NetWeaver Business Client in Action

Example 2: SAPGUI User with some requirements in reporting



Current Environment

- Uses Dynpro applications, only
- Uses reporting functions of BW or SAP Business Objects
- Needs to log-in multiple times through multiple UI clients
- Uses SAP Menu and T-Codes, no „Easy Access Menu“
- Mainly works in one system (e.g.. ERP)
- Sometime connected to other systems (e.g. Reporting)

Advantages with NWBC*

- Integration of transaktional applications and reporting in one environment
- One login, no switching between different UI clients
- Option to leverage latest Web Dynpro ABAP based applications (e.g. Report Launch Pad)

Interesting NWBC Features*

- Quick Launch to search for Reports ([NWBC Documentation Chapter 2.8](#))

Additional Content*

- Report Launch Pad to start various reportings

Requirements

- SAP NetWeaver Business Client 3.0 or SAP NetWeaver Business Client 3.5
- SAP ECC 6.0 EhP4 / SAP NetWeaver 7.01
- Reporting environment (e.g. SAP Business Objects)

* Usually includes the advantages, features and content of previous examples

SAP NetWeaver Business Client in Action

Example 3: SAPGUI User with high requirements in reporting



Current Environment

- Uses Dynpro applications, only
- Uses reporting functions of BW or SAP Business Objects
- Needs to log-in multiple times through multiple UI clients
- Uses SAP Menu and T-Codes, no „Easy Access Menu“
- Mainly works in one system (e.g.. ERP)
- Sometime connected to other systems (e.g. Reporting)
- Does parallel research in multiple windows

Advantages with NWBC*

- Utilization of SAP NetWeaver Business Client Side Panel as „side-by-side“ display of additional information (e.g. reporting data, object details)
- Reduced number of clicks and screens with context based, additional side-by-side information

Interesting NWBC Features*

- SAP NetWeaver Business Client Side Panel ([NWBC Documentation Chapter 6.7](#))

Additional Content*

- Pre-defined content for SAP NetWeaver Business Client Side Panel (e.g. Financials)

Requirements

- SAP NetWeaver Business Client 3.5 (for Desktop!)
- SAP ECC 6.0 EhP6 (for pre-defined content) / SAP NetWeaver 7.31 (to enable Side Panel)
- Reporting environment (z.B. SAP Business Objects)

* Usually includes the advantages, features and content of previous examples

SAP NetWeaver Business Client in Action

Example 4: SAPGUI / Browser User with complex requirements



Current Environment

- Uses Dynpro applications in multiple systems
- Uses various web-based applications via browser
- Partly uses „Easy Access Menu“, mainly in ERP system
- Does parallel research in multiple windows

Advantages with NWBC*

- SAP NetWeaver Business Client can be used as integrator between SAP GUI and browser-based applications in one environment
- Rolebased access to multiple systems through one environment
- Extension and mix of content through „Canvas“ and/or Side Panel areas
- Flexible configuration through roles assigned to user account

Interesting NWBC Features*

- Role-based navigation behaviour and UI Client menu ([NWBC Documentation Chapter 5](#))
- SAP NetWeaver Business Client Side Panel ([NWBC Documentation Chapter 6.7](#))

Additional Content*

- -

Requirements

- SAP NetWeaver Business Client 3.5 (for Desktop!)
- SAP NetWeaver 7.31 (for NWBC Side Panel)

* Usually includes the advantages, features and content of previous examples

SAP NetWeaver Business Client in Action

Example 5: SAPGUI / Portal / Browser User with complex requirements



Current Environment

- Uses SAP NetWeaver Portal for collaborative work through forums, wikis and to store and manage documents
- Uses Dynpro applications via SAP GUI for HTML for simple tasks (e.g. leave request)
- Uses Dynpro applications via SAP GUI for Windows for more complex tasks (e.g. Sales Management)
- Uses new applications based on Web Dynpro ABAP

In General	<ul style="list-style-type: none">▪ The advantages of the portal remain such as collaboration or document management▪ However, many customers have mixture of portal <u>and</u> SAP GUI users.▪ Possible target: Transition of the SAP GUI users into SAP NetWeaver Business Client
Advantages with NWBC*	<ul style="list-style-type: none">▪ All advantages mentioned before, als this scenarios splits into a portal group of users and a another group of users which perfectly match to the example described in examples 1-4
Interesting NWBC features*	<ul style="list-style-type: none">▪ Eventually of relevance for some customers: Option that SAP NetWeaver Business Client retrieve role information from existing PCD (Portal Content Directory)
Additional Content*	<ul style="list-style-type: none">▪ -
Requirements	<ul style="list-style-type: none">▪ SAP NetWeaver Business Client 3.0 or SAP NetWeaver Business Client 3.5▪ SAP NetWeaver 7.00

* Usually includes the advantages, features and content of previous examples

SAP NetWeaver Business Client in Action

Example 6: Portal User with a minimum of requirements



Current Environment

- Uses SAP NetWeaver Portal for collaborative work through forums, wikis and to store and manage documents
- Uses Dynpro applications via SAP GUI for HTML for simple tasks (e.g. leave request)

In General

- The advantages of the portal remain such as collaboration or document management
- If the user should stay on Dynpro-based applications, the existing infrastructure can be used and there is no need to use SAP NetWeaver Business Client.
- Additionally, also for new applications based on Web Dynpro ABAP, such as Employee Self Services (ESS), an existing Portal can still be a well fitting solution.

* Usually includes the advantages, features and content of previous examples



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